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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
545478466	SEPT2	septin-2 isoform b	15.15151515	4	7	4	396	45.432	6.89	1.03	1.38	0.897														
													LYPWGVVEVENPEHNDFLK	1	1	2xTMT6plex [N-Term; K19]	1.144	-	-	2.078838587	0	2743.449573	3	915.151062	-3.987696713	93.53517922
													VNIVPVIAK	1	1	2xTMT6plex [N-Term; K9]	-	1.497	-	0.633553326	0	1410.944843	2	705.9753418	-1.017542434	81.85698846
													STLINSLFLTDLYPER	4	1	1xTMT6plex [N-Term]	1.072	1.097	0.897	1.298070192	0	2111.158587	3	704.390686	-0.512545357	99.77833113
													LTVVDTPGYGDAINCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.953	-	-	1.369588852	0	1980.005792	2	990.5032959	-3.271022313	68.55855031
148352331	SEPT7	septin-7 isoform 1	14.64530892	6	15	5	437	50.648	8.63	1.228	1.102	1.181														
													NLEGYVGFANLPNQVYR	2	1	1xTMT6plex [N-Term]	-	1.163	1.153	1.212153077	0	2183.144668	3	728.387146	1.015296106	88.49930444
													TVQVEQSK	2	1	2xTMT6plex [N-Term; K8]	1.162	1.017	-	0.945648074	0	1376.814951	2	688.9106445	-0.68143326	38.28771888
													ANWEAQQR	1	1	1xTMT6plex [N-Term]	1.446	-	-	2.141738415	0	1231.6381	2	616.3219604	-1.181882537	31.94914212
													IYEFPETDDEEENK	3	1	2xTMT6plex [N-Term; K14]	0.94	1.121	-	1.171774864	0	2216.064695	2	1108.531494	-4.05377098	68.35829695
													DSEAELQR	1	1	1xTMT6plex [N-Term]	-	-	1.195	1.928544044	0	1176.605797	2	588.8070068	0.799207243	26.76158177
													VNIIPIIAK	12	3	2xTMT6plex [N-Term; K9]	1.411	1.161	1.362	1.126825333	0	1438.976143	2	719.9921265	0.579244966	93.92481321
149363689	SEPT8	septin-8 isoform a	4.968944099	2	7	1	483	55.721	6.28	-	-	1.09														
													LTIVDAVGFGDQINK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.09	1.999313831	0	2048.179212	3	683.3981934	0.397869542	94.0040563
													VNIIPIIAK	12	3	2xTMT6plex [N-Term; K9]	1.411	1.161	1.362	1.126825333	0	1438.976143	2	719.9921265	0.579244966	93.92481321
164698494	SEPT9	septin-9 isoform a	12.11604096	5	8	5	586	65.361	8.97	1.368	1.28	1.303														
													SQEATEAAPSCVGDMADTPR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M15];	-	-	0.847	1.467052341	0	2338.048855	3	780.0219116	0.994963504	39.91995064
													STLINTLFK	2	1	2xTMT6plex [N-Term; K9]	-	1.275	1.218	0.849208355	0	1494.929586	2	747.9680786	-0.472171695	91.31577354
													VVNIVPVIAK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.333	1.139417291	0	1510.013257	3	504.0089417	-0.652205419	91.50124619
													APVDFGYVGIDSILEQMR	3	1	1xTMT6plex [N-Term]	1.368	1.314	1.173	2.272733927	0	2239.16302	3	747.0582886	-1.209321215	101.7326192
													EFDEDSEDRLVNEK	1	1	2xTMT6plex [N-Term; K14]	-	-	1.694	1.321325421	1	2183.086828	3	728.3673706	0.334872803	58.15539385
807066321	SEPT11	septin-11 isoform 1	11.38952164	4	10	3	439	50.791	7.01	-	1.191	1.399														
													VNIIPIIAK	12	3	2xTMT6plex [N-Term; K9]	1.411	1.161	1.362	1.126825333	0	1438.976143	2	719.9921265	0.579244966	93.92481321
													SYELQESNVR	2	1	1xTMT6plex [N-Term]	-	1.538	1.226	1.442648768	0	1453.748438	2	727.3771362	-0.992076087	39.21751845
													NLSLSGHVGFDSLPDQLVNK	1	1	2xTMT6plex [N-Term; K20]	-	-	1.655	2.375167131	0	2598.429172	3	866.8155518	1.127713416	88.07822733
													ELEEEVNNFQK	1	1	2xTMT6plex [N-Term; K11]	-	1.096	-	0.845622182	0	1836.974364	3	612.9959717	-0.54566953	63.36696612
42741648	SEP15	15 kDa selenoprotein isoform 1 precursor	9.696969697	1	1	1	165	18.081	5.03	-	0.457	-														
													LLDDNGNIAEELSILK	1	1	2xTMT6plex [N-Term; K16]	-	0.457	-	1.041036367	0	2215.258584	2	1108.132446	-0.437128145	98.51461046
109148542	AARS	alanine--tRNA ligase, cytoplasmic	6.404958678	5	6	5	968	106.743	5.53	1.57	1.58	1.775														
													DVSAQATGK	1	1	2xTMT6plex [N-Term; K9]	1.583	-	-	1.729462385	0	1334.768	2	667.8884888	1.273966009	34.32210394
													NVGCLQEALQLATSFAQLR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.331	1.775	1.630253673	0	2348.259381	3	783.4247437	0.126530754	103.9919998
													AVYTQDCPLAAAK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	1.09	-	1.882805824	0	1866.019541	2	933.5143433	1.001765199	61.75590654
													VGDQVWLFIDEPR	1	1	1xTMT6plex [N-Term]	1.55	-	-	1.028494477	0	1802.96385	2	901.9822388	-3.68812771	94.54816637
													VDDSSEDK	1	1	2xTMT6plex [N-Term; K8]	-	1.883	-	1.349830508	0	1352.694561	2	676.8503418	-0.852902262	40.56968545
108773784	ABCE1	ATP-binding cassette sub-family E member 1	1.83639399	1	2	1	599	67.271	8.34	-	1.813	1.596														
													VAETANEEEVK	2	1	2xTMT6plex [N-Term; K11]	-	1.813	1.596	1.115026355	0	1676.910701	2	838.9595947	0.722461324	42.82941101
14249382	ABHD14B	protein ABHD14B isoform 1	10.95238095	2	4	2	210	22.332	6.4	-	1.478	1.266														
													EALPGSGQAR	1	1	1xTMT6plex [N-Term]	-	1.052	-	1.305114985	0	1214.669066	2	607.8382568	0.141085239	41.54717457
													AVAIDLPGLGHSK	3	1	2xTMT6plex [N-Term; K13]	-	1.585	1.266	1.970441461	0	1736.047076	3	579.354248	0.642361973	73.99986991
24308273	ABRACL	costars family protein ABRACL	27.16049383	2	3	2	81	9.051	6.29	1.03	0.827	-														
													FGVLFRDDK	1	1	2xTMT6plex [N-Term; K9]	-	0.742	-	1.171702147	1	1554.904434	3	518.9729614	-0.066449522	70.36409894
													CANLFEALVGTLK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.03	1.019	-	1.429563999	0	1894.087226	3	632.0338745	-0.082332451	102.2412269
148539872	ACAT2	acetyl-CoA acetyltransferase, cytosolic isoform 1	24.93702771	7	16	7	397	41.324	6.92	1.286	1.448	1.599														
													TIIGSFNGALAAVPVQDLGSTVIK	4	1	2xTMT6plex [N-Term; K24]	1.835	1.772	1.763	1.537558436	0	2829.649001	3	943.8876953	-0.16543483	99.77490016
													VAVLSQNR	1	1	1xTMT6plex [N-Term]	1.186	-	-	0.970812857	0	1115.673423	2	558.3401489	-0.359978493	44.20006583
													RATVAPEDVSEVIFGHVLAAGCGQNPVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.517	-	1.695486307	1	3178.662881	4	795.4219971	1.031125782	90.27910548
													ATVAPEDVSEVIFGHVLAAGCGQNPVR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.196	1.309	1.249	1.53117156	0	3022.56177	3	1008.192749	0.636539617	95.31638879
													IVSWSQVGVEPSIMGIGPIPAIK	3	1	2xTMT6plex [N-Term; K23]	1.393	1.457	1.418	2.100369692	0	2836.641079	4	709.9156494	-0.109623932	102.405256
													GLIEVK	1	1	2xTMT6plex [N-Term; K6]	-	-	1.624	1.127430201	0	1116.739267	2	558.873291	0.034673492	62.01726494
													WQVSREDQDK	1	1	2xTMT6plex [N-Term; K10]	-	1.396	-	1.380492806	1	1748.933168	3	583.6500244	1.344741029	41.32622962
15826852	ACBD3	Golgi resident protein GCP60	5.492424242	2	2	2	528	60.556	5.06	1.061	-	0.656														
													IQQDADSVITVGR	1	1	1xTMT6plex [N-Term]	1.061	-	-	0.763674974	0	1630.896165	2	815.9509277	-0.972466111	61.06388038
													QQEVVVAGSSLPTSSK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.656	1.869445205	0	2075.174855	2	1038.089355	-1.64826231	56.90549386
740086846	ACLY	ATP-citrate synthase isoform 3	24.06926407	25	65	25	1155	126.138	8.18	1.72	1.742	1.742														
													RGGPNYQEGLR	2	1	1xTMT6plex [N-Term]	2.476	-	2.571	1.363933921	1	1475.79164	3	492.6017151	-0.71034169	26.797523
													LIMGIGHR	3	1	1xTMT6plex [N-Term]	1.773	1.822	1.843	1.840085983	0	1125.6764	3	375.8977356	2.002109229	52.58969437
													LTLLNPK	1	1	2xTMT6plex [N-Term; K7]	-	1.922	-	1.409460545	0	1256.83423	2	628.9209595	0.328345062	72.20057813
													TIAIIAEGIPEALTR	5	1	1xTMT6plex [N-Term]	-	2.08	2.027	1.660393476	0	1797.068315	2	899.0380249	0.254684078	95.77462313
													GQELIYAGMPITEVFK	6	1	2xTMT6plex [N-Term; K16]	2.012	1.961	2.037	2.178406	0	2254.255748	3	752.0909424	1.120661859	97.84233742
													GQELIYAGMPITEVFK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M9]	-	1.952	-	1.573002577	0	2270.250663	3	757.4196167	-2.804004178	92.79612578
													AFDSGIIPMEFVNK	3	1	2xTMT6plex [N-Term; K14]	1.891	2.009	1.963	1.347345471	0	2026.108355	3	676.039917	-1.55841292	95.96633062
													LGLVGVNLTLDGVK	6	1	2xTMT6plex [N-Term; K14]	1.903	2.013	1.856	1.531065226	0	1856.162105	2	928.5846558	-0.037979744	96.40671166
													DLVSSLTSGLLTIGDR	3	1	1xTMT6plex [N-Term]	1.745	1.537	1.61	1.946623206	0	1876.058873	2	938.5323486	-0.774114499	99.5873172
													AISEQTGK	2	1	2xTMT6plex [N-Term; K8]	-	1.568	0.81	1.63786149	0	1291.762187	2	646.3855591	1.280966481	35.02037118
													VDATADYICK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	-	1.095	1.190847397	0	1613.860915	2	807.4352417	1.420189569	58.68292879
													IGNTGGMLDNILASK	4	1	2xTMT6plex [N-Term; K15]	1.501	1.74	-	1.892314672	0	1962.109418	2	981.5544434	-3.979258842	92.65325354
													TASFSESR	2	1	1xTMT6plex [N-Term]	1.134	1.264	-	1.343095422	0	1113.573768	2	557.289856	-1.197097108	29.83031933
													HLLVHAPEDKK	1	1	3xTMT6plex [N-Term; K10; K11]	-	-	2.55	1.019781947	1	1974.210342	5	395.6487732	2.237536043	39.8786819
													LGQEATVGK	1	1	2xTMT6plex [N-Term; K9]	-	1.846	-	2.038080454	0	1360.820036	2	680.9122314	-2.094163298	49.13579317
													EHEVTIFVR	3	1	1xTMT6plex [N-Term]	1.24	1.346	1.487	2.091197014	0	1358.762966	3	453.5931702	1.46545652	51.37034858
													LNPEDIK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.791	1.200906515	0	1286.772023	2	643.8909302	1.989833099	57.74207697
													SMGFIGHYLDQK	3	1	2xTMT6plex [N-Term; K12]	1.701	1.852	1.949	1.499220848	0	1853.998411	3	618.6702271	-1.231423739	74.60188856

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													DGVYVLDLAAK	4	1	2xTMT6plex [N-Term; K11]	1.843	1.918	1.018	2.422970057	0	1621.956529	2	811.4824829	0.715050183	87.8229266
													SINNPDMR	1	1	1xTMT6plex [N-Term]	-	1.466	-	0.96485287	0	1175.604023	2	588.3060913	0.751415588	34.19304912
													EAYPEEAYIADLDAK	4	1	2xTMT6plex [N-Term; K15]	-	1.342	1.089	1.571206808	0	2156.116337	3	719.3775024	0.750086714	80.52379314
													GGPNYQEGLR	1	1	1xTMT6plex [N-Term]	-	1.164	-	1.163882613	0	1319.690529	2	660.3488159	-0.131965835	34.90626919
													FGGALDAAAK	2	1	2xTMT6plex [N-Term; K10]	-	2.196	1.856	1.649251342	0	1378.809471	2	689.9088135	0.63746525	65.14578749
													QHFPATPLLDYALEVEK	2	1	2xTMT6plex [N-Term; K17]	-	2.012	2.051	1.253853679	0	2429.348068	3	810.4551392	1.151016812	94.08336824
													FICTTSAIQNR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.15	1.066	1.414483309	0	1539.815078	2	770.40979	-1.801983832	57.86350844
													EEMGIGGVLGLLWFQK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M3]	-	-	1.808	1.718319058	0	2251.256082	3	751.0894775	-0.978583836	103.2480695
507834063	ACO1	cytoplasmic aconitate hydratase	20.35995501	12	25	12	889	98.337	6.68	1.696	1.504	1.651														
													QDIENILHWNVTQHK	1	1	2xTMT6plex [N-Term; K15]	1.105	-	-	0.6385746	0	2333.276634	4	584.0759888	2.35323495	76.30393704
													YQQAGLPLIVLAGK	3	1	2xTMT6plex [N-Term; K14]	1.731	1.848	1.476	1.743661761	0	1929.19374	2	965.1013794	0.903112542	96.19378805
													DFESCLGAK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.778	-	-	1.686117411	0	1484.781936	3	495.5988159	-0.028122711	58.84124895
													VILQDFTGVPAVVDFAAMR	4	1	1xTMT6plex [N-Term]	1.714	0.537	1.697	1.882872701	0	2278.24669	2	1139.625244	-1.526941206	102.5507897
													IETVNESWNALATPSDK	2	1	2xTMT6plex [N-Term; K17]	-	1.738	1.668	2.076314688	0	2333.238911	3	778.4193726	1.994213177	80.76881282
													IIPPGSGIIHQVNLEYLAR	3	1	1xTMT6plex [N-Term]	1.406	1.593	1.712	2.384423494	0	2319.338617	3	773.7808228	-4.614206914	91.62933456
													SPPFFENLTLDLQPPK	4	1	2xTMT6plex [N-Term; K16]	1.772	1.708	1.564	2.13161397	0	2301.289491	3	767.7689819	1.261023784	99.10154201
													NCDEFLVK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	1.545	1.520974398	0	1482.802672	2	741.9031982	-2.395366351	59.10513823
													VAVSDMK	1	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]	-	1.361	-	0.596785843	0	1223.706981	2	612.3574829	0.579044104	41.04228502
													NQDLEFER	1	1	1xTMT6plex [N-Term]	-	-	1.673	1.068377376	0	1279.647996	2	640.3276367	0.000756067	47.01237807
													DFNDPSQDPDFTQVVELDLK	2	1	2xTMT6plex [N-Term; K20]	-	1.766	1.954	1.53672576	0	2780.403076	3	927.4716797	-0.93158705	95.41206806
													SNLVGMGVIPLEYLPGENADALGLTGQER	1	1	1xTMT6plex [N-Term]	-	-	1.52	1.677197695	0	3242.692843	3	1081.560303	-8.168574132	100.7024935
4501867	ACO2	aconitate hydratase, mitochondrial precursor	7.948717949	4	9	4	780	85.372	7.61	1.021	1.094	1.104														
													DLEDLQILIK	2	1	2xTMT6plex [N-Term; K10]	0.995	-	1.109	1.258735418	0	1658.014044	2	829.5080566	-3.140865283	96.20539931
													LQLLEPFDK	2	1	2xTMT6plex [N-Term; K9]	-	1.187	1.134	1.403903842	0	1560.940151	2	780.9738159	0.130745524	93.52376476
													DINQEVYNFLATAGAK	3	1	2xTMT6plex [N-Term; K16]	1.056	1.01	1.139	1.665121317	0	2212.201404	3	738.071167	-1.110257607	97.21711048
													NDANPETHAFVTSPEIVTALAIAGTLK	2	1	2xTMT6plex [N-Term; K27]	-	0.997	0.863	1.709113359	0	3238.772363	3	1080.261475	-0.769613173	100.4621521
8923812	ACOT13	acyl-coenzyme A thioesterase 13 isoform 1	16.42857143	2	2	2	140	14.951	9.14	1.073	-	-														
													LGEDIVITAHVLK	1	1	2xTMT6plex [N-Term; K13]	0.921	-	-	1.037591696	0	1866.146455	3	622.7171021	-5.199183391	87.84553694
													ITLVSAAPGK	1	1	2xTMT6plex [N-Term; K10]	1.196	-	-	1.072890401	0	1414.903372	3	472.3057861	-0.400452479	66.88233551
32528282	ACOT7	cytosolic acyl coenzyme A thioester hydrolase isoform hBACHb	6.315789474	2	2	2	380	41.769	8.54	-	1.382	1.825														
													SLPVPQLVPETEDEK	1	1	2xTMT6plex [N-Term; K15]	-	1.382	-	1.290132403	0	2139.194921	3	713.7342529	-3.139466568	83.92422993
													QEQEEEGRK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.825	1.455117583	1	1590.84877	3	530.9544678	0.05043868	24.56053449
4757714	ACP1	low molecular weight phosphotyrosine protein phosphatase isoform c	14.55696203	2	5	2	158	18.031	6.74	1.658	1.069	1.009														
													IELLGSYDPQK	3	1	2xTMT6plex [N-Term; K11]	1.658	1.089	1.011	2.019863605	0	1720.988558	3	574.3335571	-1.4175767	78.47639032
													LVTDQNISENWR	2	1	1xTMT6plex [N-Term]	-	0.837	0.986	1.132158756	0	1703.891414	2	852.4498291	0.567978169	65.25310133
4501881	ACTA1	actin, alpha skeletal muscle	38.72679045	11	86	3	377	42.024	5.39	1.097	1.309	1.185														
													AVFPSIVGRPR	5	2	1xTMT6plex [N-Term]	0.675	0.707	0.686	2.305622101	0	1427.868434	3	476.6270142	-1.36212797	55.62655283
													SYELPDGQVITIGNER	10	2	1xTMT6plex [N-Term]	1.117	1.101	1.047	2.440027475	0	2020.05485	2	1010.529053	-1.990679238	79.39283922
													AGFAGDDAPR	3	2	1xTMT6plex [N-Term]	1.15	1.371	1.17	1.045374155	0	1205.611216	2	603.3085327	-1.184179687	33.82286517
													IWHHTFYNELR	2	2	1xTMT6plex [N-Term]	0.91	-	1.053	1.222167015	0	1744.91209	3	582.3098755	1.709790918	51.97626495
													LCYVALDFENEMATAASSSLEK	1	1	2xTMT6plex [N-Term; K23]; 1xOxidation [M12];	-	-	0.981	0.670238912	0	3010.47896	2	1505.743164	0.030246018	101.3340994
													VAPEEHPTLLTEAPLNPK	1	1	2xTMT6plex [N-Term; K18]	-	-	1.258	1.493038654	0	2414.369532	3	805.4621582	0.989765379	70.43458444
													YPIEHGIITNWDDMEK	6	1	2xTMT6plex [N-Term; K16]	1.047	1.258	1.209	1.779333949	0	2419.236803	2	1210.123413	1.135292697	76.05978624
													YPIEHGIITNWDDMEK	4	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M14]	1.155	1.314	1.112	1.445039511	0	2435.231718	4	609.5621948	-1.958168124	69.17296402
													EITALAPSTMK	5	2	2xTMT6plex [N-Term; K11]	0.917	0.818	0.946	1.87683785	0	1619.94425	2	810.4752197	-0.671224874	69.32257836
													EITALAPSTMK	7	2	2xTMT6plex [N-Term; K11]; 1xOxidation [M10]	0.911	0.837	0.909	1.397796869	0	1635.939165	3	545.9846802	0.196888338	61.51783305
													DLTDYLMK	4	2	2xTMT6plex [N-Term; K8]	1.067	1.238	1.273	1.620315433	0	1456.812173	2	728.9094849	-0.329736013	79.99970491
													DLTDYLMK	3	2	2xTMT6plex [N-Term; K8]; 1xOxidation [M7]	1.074	-	1.092	1.183008432	0	1472.807088	2	736.9078369	0.888601186	71.90042832
													DSYVGDEAQSK	14	2	2xTMT6plex [N-Term; K11]	1.071	1.028	1.154	2.198700428	0	1656.848101	2	828.9260864	-1.934310354	38.5909166
													HQGVMVGMGQK	6	2	2xTMT6plex [N-Term; K11]	0.506	0.369	0.386	2.195305824	0	1629.896923	3	543.9693604	-2.083012284	41.77286647
													HQGVMVGMGQK	9	2	2xTMT6plex [N-Term; K11]; 1xOxidation [M]	0.492	0.455	0.477	3.407735348	0	1645.891838	3	549.3012695	-1.569092325	31.69629161
													HQGVMVGMGQK	6	2	2xTMT6plex [N-Term; K11]; 2xOxidation [M5; M8]	0.74	0.571	0.844	2.463768005	0	1661.886753	3	554.6345215	1.35887907	28.64425459
316659409	ACTG1	actin, cytoplasmic 2	62.13333333	16	129	8	375	41.766	5.48	1.147	1.187	1.211														
													AVFPSIVGRPR	5	2	1xTMT6plex [N-Term]	0.675	0.707	0.686	2.305622101	0	1427.868434	3	476.6270142	-1.36212797	55.62655283
													SYELPDGQVITIGNER	10	2	1xTMT6plex [N-Term]	1.117	1.101	1.047	2.440027475	0	2020.05485	2	1010.529053	-1.990679238	79.39283922
													AGFAGDDAPR	3	2	1xTMT6plex [N-Term]	1.15	1.371	1.17	1.045374155	0	1205.611216	2	603.3085327	-1.184179687	33.82286517
													IWHHTFYNELR	2	2	1xTMT6plex [N-Term]	0.91	-	1.053	1.222167015	0	1744.91209	3	582.3098755	1.709790918	51.97626495
													QEYDESGPSIVHR	5	1	1xTMT6plex [N-Term]	1.024	1.106	1.112	3.109085083	0	1745.865593	3	582.6272583	0.932891026	37.46876574
													QEYDESGPSIVHRK	8	1	2xTMT6plex [N-Term; K14]	1.398	1.406	1.439	2.111806631	1	2103.123488	3	701.7111206	-2.224949519	38.01107703
													LCYVALDFEQEMATAASSSLEK	12	1	2xTMT6plex [N-Term; K23]; 1xCarbamidomethyl	1.215	1.194	1.247	2.759082794	0	3008.499696	3	1003.504089	-0.658365895	101.6417821
													LCYVALDFEQEMATAASSSLEK	6	1	2xTMT6plex [N-Term; K23]; 1xOxidation [M12];	-	1.207	1.226	1.81474936	0	3024.494611	3	1008.837219	0.824585646	93.6949927
													VAPEEHPVLLTEAPLNPK	7	1	2xTMT6plex [N-Term; K18]	1.12	1.059	1.14	1.902696967	0	2412.390267	3	804.8005371	-1.330249885	73.23082876
													CPEALFQPSFLGMESCGIHETTFNSIMK	1	1	2xTMT6plex [N-Term; K28]; 1xOxidation [M27];	-	-	1.089	1.095526934	0	3705.782553	4	927.2020264	1.004559414	94.40342127
													GYSFTTTAER	1	1	1xTMT6plex [N-Term]	-	-	1.016	1.329406977	0	1361.689861	2	681.3485107	-0.085016147	43.97531203
													DLYANTVLSGGTTMYPGIADR	12	1	1xTMT6plex [N-Term]	0.95	0.944	1.123	2.342766762	0	2444.232891	2	1222.62085	0.626752367	86.63834549
													DLYANTVLSGGTTMYPGIADR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M14]	-	0.929	1.055	0.993645728	0	2460.227806	2	1230.616089	-1.18060434	78.39703431
													TTGIVMDSGDGVTHTVPIYEGYALPHAILR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	1.249	-	0.879185855	0	3428.772156	4	857.9503784	2.195352018	84.69642659
													EITALAPSTMK	5	2	2xTMT6plex [N-Term; K11]	0.917	0.818	0.946	1.87683785	0	1619.94425	2	810.4752197	-0.671224874	69.32257836
													EITALAPSTMK	7	2	2xTMT6plex [N-Term; K11]; 1xOxidation [M10]	0.911	0.837	0.909	1.397796869	0	1635.939165	3	545.9846802	0.196888338	61.51783305
													DLTDYLMK	4	2	2xTMT6plex [N-Term; K8]	1.067	1.238	1.273	1.620315433	0	1456.812173	2	728.9094849	-0.329736013	79.99970491
													DLTDYLMK	3	2	2xTMT6plex [N-Term; K8]; 1xOxidation [M7]	1.074	-	1.092	1.183008432	0	1472.807088	2	736.9078369	0.888601186	71.90042832
													DSYVGDEAQSK	14	2	2xTMT6plex [N-Term; K11]	1.071	1.028	1.154	2.198700428	0	1656.848101	2	828.9260864	-1.934310354	38.5909166

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													HQGVMVGMGQK	6	2	2xTMT6plex [N-Term; K11]	0.506	0.369	0.386	2.195305824	0	1629.896923	3	543.9693604	-2.083012284	41.77286647
													HQGVMVGMGQK	9	2	2xTMT6plex [N-Term; K11]; 1xOxidation [M]	0.492	0.455	0.477	3.407735348	0	1645.891838	3	549.3012695	-1.569092325	31.69629161
													HQGVMVGMGQK	6	2	2xTMT6plex [N-Term; K11]; 2xOxidation [M5; M8]	0.74	0.571	0.844	2.463768005	0	1661.886753	3	554.6345215	1.35887907	28.64425459
4757718	ACTL6A	actin-like protein 6A isoform 1	5.128205128	2	2	2	429	47.43	5.6	-	0.805	-														
													IPEGLFDPSNVK	1	1	2xTMT6plex [N-Term; K12]	-	0.737	-	1.076923251	0	1774.015107	3	592.0108032	1.549906739	89.93530859
													AGYAGEDCPK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	0.972	-	0.999670327	0	1525.7721	2	763.3915405	2.428019681	35.74064054
4501891	ACTN1	alpha-actinin-1 isoform b	61.65919283	43	187	27	892	102.993	5.41	1.584	1.642	1.574														
													ACLISLGYDIGNDPQGEAEFAR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.197	1.055	1.201	1.970346093	0	2625.281632	3	875.7631226	-2.596888705	90.75322883
													ATLPDADK	4	1	2xTMT6plex [N-Term; K8]	1.6	1.699	-	1.804452896	0	1288.751288	3	430.2562256	2.200345279	46.79263041
													NYITMDELR	1	1	1xTMT6plex [N-Term]	-	1.865	-	0.521155536	0	1383.713967	2	692.3612671	0.932743123	59.49363584
													DGLGFCALIHR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.888	1.861	2.031	1.728255033	0	1487.799034	3	496.6053162	1.586891962	66.14263676
													LAILGIHNEVSK	4	1	2xTMT6plex [N-Term; K12]	1.856	1.808	-	1.773994088	0	1752.078376	3	584.6986694	1.75746178	71.38525634
													ICDQWDNLGALTQK	6	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.677	1.812	1.956	2.08092165	0	2120.121045	2	1060.565063	0.851330224	87.65489338
													IDQLEGDHQLIQEALIFDNK	3	1	2xTMT6plex [N-Term; K20]	1.959	-	1.861	1.102621198	0	2797.51363	3	933.1722412	-4.09618994	94.28829891
													RDQALTEEHAR	4	1	1xTMT6plex [N-Term]	1.917	1.255	2.025	2.151975393	1	1554.818583	3	518.9445801	0.388279624	30.54678035
													ETADTDTADQVMASFK	4	1	2xTMT6plex [N-Term; K16]	1.127	1.059	1.058	1.706956983	0	2188.084385	3	730.0325928	-0.529974847	76.15945088
													ETADTDTADQVMASFK	2	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M12]	1.504	1.429	-	1.230296016	0	2204.0793	3	735.3647461	0.1748264	57.6757603
													MLDAEDIVGTARPDEK	2	1	2xTMT6plex [N-Term; K16]	-	1.797	-	1.374141812	0	2218.178954	3	740.0640259	-0.644408459	69.63700381
													VLAVNQENEQLMEDYEK	3	1	2xTMT6plex [N-Term; K17]	1.136	1.171	1.329	1.41662097	0	2510.284875	3	837.4329834	-0.190549962	76.43903521
													VLAVNQENEQLMEDYEK	3	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M12]	1.619	2.431	2.186	1.464073062	0	2526.27979	3	842.7653809	0.712133364	71.31697708
													MVSDINNAWGCLEQVEK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.214	-	-	1.44540596	0	2451.241237	3	817.750061	-2.287365457	91.83328065
													MVSDINNAWGCLEQVEK	4	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M1];	1.613	-	1.901	1.153254628	0	2467.236152	2	1234.115479	-5.05477708	82.21450691
													QFGAQANVIGPWIQTK	7	1	2xTMT6plex [N-Term; K16]	1.619	1.791	1.838	2.2192626	0	2216.259194	3	739.4245605	-0.029405123	88.54190075
													DDPLTNLNTAFDVAEK	5	1	2xTMT6plex [N-Term; K16]	2.161	2.078	2.35	2.401912689	0	2221.175249	2	1111.091309	0.04140038	91.29431569
													HRPELIDYGK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.898	1.382722259	0	1685.973911	3	562.6633911	1.013817493	46.45290151
													VEQIAAIAQELNELDYYDSPSVNAR	2	1	1xTMT6plex [N-Term]	-	1.028	1.061	1.994225621	0	3037.531575	4	760.1384277	0.100844219	101.0371388
													LLETIDQLYLEYAK	3	1	2xTMT6plex [N-Term; K14]	-	1.819	2.276	2.746803761	0	2170.241143	2	1085.623291	-0.846914526	105.0068445
													AGTQIENIEEDFRDGLK	8	1	2xTMT6plex [N-Term; K17]	1.283	1.762	1.467	1.876461625	1	2393.271274	4	599.0718994	-2.300781282	83.27287945
													DYETATLSEIK	3	1	2xTMT6plex [N-Term; K11]	1.404	1.279	-	1.580225587	0	1727.946752	3	576.6533203	-0.778260382	66.75550026
													IMSIVDPNR	2	1	1xTMT6plex [N-Term]	-	1.236	1.27	0.77301532	0	1273.713573	2	637.3605347	0.172461016	68.64963825
													ISIEMHGTLEDQLSHLR	3	1	1xTMT6plex [N-Term]	1.254	1.707	-	0.973494172	0	2208.164417	4	552.7960815	-0.869961543	76.39324388
													ISIEMHGTLEDQLSHLR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	-	1.545	0.720009267	0	2224.159332	4	556.7946777	-1.102102922	66.55862039
													KDDPLTNLNTAFDVAEK	1	1	3xTMT6plex [N-Term; K1; K17]	0.775	-	-	1.319072247	1	2578.433144	3	860.1467896	-2.842101093	81.65246084
													IVQTYHVNMAGTNPYTTITPQEINGK	1	1	2xTMT6plex [N-Term; K26]	-	1.386	-	1.621387124	0	3348.766232	3	1116.924316	-2.339957676	76.95596473
													NVNIQNFHISWK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.885	1.82657671	0	1958.101236	3	653.37323	1.991823167	77.52929451
													LASDLLEWIR	4	2	1xTMT6plex [N-Term]	2.032	2.068	1.935	2.119356632	0	1444.836131	3	482.2837524	0.396677662	100.5823086
													ASIHEAWTDGK	6	2	2xTMT6plex [N-Term; K11]	1.176	1.718	1.826	1.626470089	0	1672.905891	3	558.3074341	1.110753512	50.0417661
													VGWEQLLTTIAR	5	2	1xTMT6plex [N-Term]	1.753	2.054	1.897	1.516730547	0	1615.936908	2	808.4729004	1.000429684	98.49795606
													ELPPDQAEYCIAR	10	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.505	1.366	1.353	1.558189154	0	1790.894451	2	895.9509888	0.139789959	57.23975646
													LDHLAEK	1	2	2xTMT6plex [N-Term; K7]	1.578	-	-	1.009049654	0	1283.772358	2	642.3895264	-0.452981887	48.98982853
													TINEVENQILTR	10	2	1xTMT6plex [N-Term]	1.849	1.771	1.863	2.704995632	0	1658.927465	3	553.6459961	-2.429237465	68.81921968
													ALDFIASK	3	2	2xTMT6plex [N-Term; K8]	1.765	1.834	1.934	1.427357554	0	1322.808409	2	661.9090576	1.836867954	78.03853323
													DHSGTLGPEEFK	2	1	2xTMT6plex [N-Term; K12]	0.782	-	0.729	1.622531056	0	1774.937585	3	592.3167114	-1.128920067	50.89332363
													LVSIGAEEIVDGNVK	9	1	2xTMT6plex [N-Term; K15]	1.351	1.614	1.282	2.033972502	0	2001.163227	2	1001.084595	-0.656946348	86.38699988
													KHEAFESDLAAHQDR	1	2	2xTMT6plex [N-Term; K1]	-	-	1.187	1.381341696	1	2212.1511	5	443.2351074	-2.110615602	33.42262477
													GYEEWLLNEIR	4	2	1xTMT6plex [N-Term]	1.959	2.025	2.207	1.569410443	0	1650.868888	3	550.961792	1.172235165	91.99529426
													HTNYTMEHIR	10	2	1xTMT6plex [N-Term]	1.106	1.266	0.637	2.389933348	0	1530.768462	3	510.9266052	-2.090215634	25.96028422
													HTNYTMEHIR	4	2	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.217	1.426	1.547	1.570262432	0	1546.763377	3	516.258606	-1.365715621	24.66451615
													TFTAWCNSHLR	7	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.698	1.637	1.572	2.657921791	0	1621.810662	3	541.2745972	-0.877578454	52.78306065
													LMLLLEVISGER	5	2	1xTMT6plex [N-Term]; 1xOxidation [M2]	1.725	1.965	2.023	1.78959012	0	1617.944695	3	539.9863281	-0.163346127	104.7089149
													EGLLLWCQR	3	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.348	1.236	2.010041475	0	1403.766672	2	702.3874512	0.679731019	78.24433473
													FAIQDISVEETSAK	8	2	2xTMT6plex [N-Term; K14]	1.573	1.613	1.612	1.79859364	0	1996.100293	3	666.038147	-0.20300184	79.27069155
													CQLEINFNTLQTK	2	2	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.224	-	1.559	1.449784279	0	2067.130882	2	1034.064331	-4.593976467	83.58166637
													HEAFESDLAAHQDR	4	2	1xTMT6plex [N-Term]	1.219	1.183	1.133	1.863600254	0	1854.893205	4	464.4793396	1.252836784	34.43608853
													ASFNHFDR	1	1	1xTMT6plex [N-Term]	-	-	0.924	1.263148904	0	1222.616636	3	408.2110596	1.627019361	38.62921133
12025678	ACTN4	alpha-actinin-4	62.23929748	45	188	29	911	104.788	5.44	1.638	1.688	1.704														
													TIQEMQQK	2	1	2xTMT6plex [N-Term; K8]	1.629	1.683	-	1.340445995	0	1463.82922	2	732.4192505	1.36891417	45.00303506
													ASFNHFDK	3	1	2xTMT6plex [N-Term; K8]	1.815	-	1.841	1.544578552	0	1423.77342	2	712.390625	0.388502828	44.91111603
													AGTQIENIDEDFR	1	1	1xTMT6plex [N-Term]	-	-	1.225	0.865577757	0	1736.865259	2	868.9375	1.419108355	62.77537433
													MAPYQGPDAVPGALDYK	5	1	2xTMT6plex [N-Term; K17]	1.879	1.827	1.851	1.752478361	0	2251.183311	3	751.0643921	-2.082438354	77.92956974
													MAPYQGPDAVPGALDYK	3	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M1]	1.436	1.45	-	1.430340171	0	2267.178226	3	756.3987427	1.521189338	70.01319609
													STLPDADRER	1	1	1xTMT6plex [N-Term]	-	1.93	-	1.082177758	1	1388.733122	2	694.8695068	-0.997548127	26.18264358
													GISQEQMQEFR	2	1	1xTMT6plex [N-Term]	1.619	-	0.923	1.368276834	0	1581.789257	2	791.3979492	-0.40156582	50.62341818
													GISQEQMQEFR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	1.648	1.576	-	1.138553381	0	1597.784172	2	799.3939209	-2.257396955	39.06114035
													MVSDINNGWQHLEQAEK	2	1	2xTMT6plex [N-Term; K17]	1.401	1.807	-	1.780620456	0	2457.259664	3	819.7583618	0.353454391	73.25809485
													MVSDINNGWQHLEQAEK	2	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M1]	-	1.39	1.124	1.386927247	0	2473.254579	3	825.088623	-1.319225042	62.98393867
													VLAVNQENEHLMEDYEK	2	1	2xTMT6plex [N-Term; K17]	0.882	-	1.512	1.126335263	0	2519.28521	3	840.4330444	-0.249911846	65.93849884
													VLAVNQENEHLMEDYEK	2	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M12]	1.614	1.534	-	1.659693956	0	2535.280125	3	845.7659302	1.227725218	62.40395199
													HRPELIEYDK	2	1	2xTMT6plex [N-Term; K10]	-	1.723	-	0.921522141	0	1757.99504	3	586.6698608	-0.006183447	50.27992253
													MLDAEDIVNTARPDEK	2	1	2xTMT6plex [N-Term; K16]	-	-	1.712	2.117413282	0	2275.200417	4	569.5568237	2.21850868	70.80410573
													MLDAEDIVNTARPDEK	4	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M1]	1.858	1.996	1.677	1.555401802	0	2291.195332	4	573.5554199	1.971598596	63.50875489
													NVNVQNFHISWK	3	1	2xTMT6plex [N-Term; K12]	1.564	1.629	-	1.54413116	0	1944.085586	3	648.6994019	-0.994875744	74.70504902

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QLEAIDQLHLEYAK	6	1	2xTMT6plex [N-Term; K14]	1.709	1.764	1.312	1.875372291	0	2129.200676	4	533.0560913	0.873447203	79.73262095
													SFSTALYGESDL	2	1	1xTMT6plex [N-Term]	1.275	-	-	1.67304945	0	1518.75252	2	759.8775024	-3.155285093	83.24807455
													HRDYETATLSDIK	2	1	2xTMT6plex [N-Term; K13]	1.742	1.575	-	1.563737631	1	2007.091125	3	669.7012939	-0.895128298	46.58180105
													ICDQWDALGSLTHSR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.819	1.784	-	2.310878992	0	1987.985725	3	663.3323975	-1.552308524	75.08189241
													ISIEMNGTLEDQLSHLK	2	1	2xTMT6plex [N-Term; K17]	1.793	1.873	-	2.037364721	0	2386.305217	3	796.1036987	-3.634882299	91.68618683
													ISIEMNGTLEDQLSHLK	1	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M5]	1.764	-	-	1.548762441	0	2402.300132	3	801.4362793	-2.434017006	78.84873232
													DHGGALGPEEFK	5	1	2xTMT6plex [N-Term; K12]	1.725	1.633	1.485	2.022834063	0	1714.916455	3	572.3104858	0.261703437	51.23767814
													AGTQIENIDEDFRDGLK	3	1	2xTMT6plex [N-Term; K17]	1.613	-	1.701	2.445074797	1	2379.255624	4	595.5689697	-0.662006946	73.98869798
													TIPWLEDRVPQK	2	1	2xTMT6plex [N-Term; K12]	-	1.821	1.323	0.879423141	1	1940.136953	3	647.3834229	-0.638086559	75.4648147
													LSGSNPYTTVTPQIINSK	7	1	2xTMT6plex [N-Term; K18]	1.729	1.571	1.487	2.249117851	0	2378.333146	2	1189.668945	-1.064684737	78.79383148
													ETTDTDTADQVIASFK	6	1	2xTMT6plex [N-Term; K16]	1.637	1.685	1.825	2.429225922	0	2200.138529	3	734.0491333	-2.582595406	80.71380182
													DDPVTNLNNAFEVAEK	5	1	2xTMT6plex [N-Term; K16]	1.377	2.199	1.792	2.031845808	0	2234.170498	2	1117.587524	-1.219858502	83.66659061
													QFASQANVVGPWIQTK	5	1	2xTMT6plex [N-Term; K16]	1.59	1.229	1.651	2.146761179	0	2232.254108	3	744.756958	0.991201418	84.14709535
													RDHALLEEQSK	4	1	2xTMT6plex [N-Term; K11]	1.764	1.835	1.78	2.178827524	1	1784.006667	3	595.3411865	1.311049087	30.88025863
													IAESNHIK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.625	1.883777022	0	1369.82037	2	685.413147	-0.987789871	38.93275838
													ACLISLGYDVENDRQGEAEFNR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.11	-	-	1.136404037	1	2785.341272	3	929.1170044	-1.727650559	74.76822229
													LVSIGAEEIVDGNAK	6	1	2xTMT6plex [N-Term; K15]	1.75	1.612	1.766	2.715559721	0	1973.131927	2	987.0681763	-1.445139526	80.04312998
													SIVDYKPNLDLLEQQHQLIQEALIFDNK	1	1	3xTMT6plex [N-Term; K6; K28]	-	-	3.579	1.379596233	0	4012.236228	4	1003.81543	0.912431321	98.20918545
													DGLAFNALIHR	2	1	1xTMT6plex [N-Term]	1.46	1.468	-	2.372799397	0	1455.826963	3	485.9468079	-0.75071835	67.33286096
													LASDLLEWIR	4	2	1xTMT6plex [N-Term]	2.032	2.068	1.935	2.119356632	0	1444.836131	3	482.2837524	0.396677662	100.5823086
													ASIHEAWTDGK	6	2	2xTMT6plex [N-Term; K11]	1.176	1.718	1.826	1.626470089	0	1672.905891	3	558.3074341	1.110753512	50.0417661
													VGWEQLLTTIAR	5	2	1xTMT6plex [N-Term]	1.753	2.054	1.897	1.516730547	0	1615.936908	2	808.4729004	1.000429684	98.49795606
													ELPPDQAEYCIAR	10	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.505	1.366	1.353	1.558189154	0	1790.894451	2	895.9509888	0.139789959	57.23975646
													LDHLAEK	1	2	2xTMT6plex [N-Term; K7]	1.578	-	-	1.009049654	0	1283.772358	2	642.3895264	-0.452981887	48.98982853
													TINEVENQILTR	10	2	1xTMT6plex [N-Term]	1.849	1.771	1.863	2.704995632	0	1658.927465	3	553.6459961	-2.429237465	68.81921968
													ALDFIASK	3	2	2xTMT6plex [N-Term; K8]	1.765	1.834	1.934	1.427357554	0	1322.808409	2	661.9090576	1.836867954	78.03853323
													KHEAFESDLAAHQDR	1	2	2xTMT6plex [N-Term; K1]	-	-	1.187	1.381341696	1	2212.1511	5	443.2351074	-2.110615602	33.42262477
													GYEEWLLNEIR	4	2	1xTMT6plex [N-Term]	1.959	2.025	2.207	1.569410443	0	1650.868888	3	550.961792	1.172235165	91.99529426
													HTNYTMEHIR	10	2	1xTMT6plex [N-Term]	1.106	1.266	0.637	2.389933348	0	1530.768462	3	510.9266052	-2.090215634	25.96028422
													HTNYTMEHIR	4	2	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.217	1.426	1.547	1.570262432	0	1546.763377	3	516.258606	-1.365715621	24.66451615
													TFTAWCNSHLR	7	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.698	1.637	1.572	2.657921791	0	1621.810662	3	541.2745972	-0.877578454	52.78306065
													LMLLLEVISGER	5	2	1xTMT6plex [N-Term]; 1xOxidation [M2]	1.725	1.965	2.023	1.78959012	0	1617.944695	3	539.9863281	-0.163346127	104.7089149
													EGLLLWCQR	3	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.348	1.236	2.010041475	0	1403.766672	2	702.3874512	0.679731019	78.24433473
													FAIQDISVEETSAK	8	2	2xTMT6plex [N-Term; K14]	1.573	1.613	1.612	1.79859364	0	1996.100293	3	666.038147	-0.20300184	79.27069155
													CQLEINFNTLQTK	2	2	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.224	-	1.559	1.449784279	0	2067.130882	2	1034.064331	-4.593976467	83.58166637
													HEAFESDLAAHQDR	4	2	1xTMT6plex [N-Term]	1.219	1.183	1.133	1.863600254	0	1854.893205	4	464.4793396	1.252836784	34.43608853
5031569	ACTR1A	alpha-centractin	14.09574468	5	6	2	376	42.587	6.64	0.91	1.22	1.11														
													AQYYLPDGSTIEIGPSR	2	1	1xTMT6plex [N-Term]	0.91	-	1.11	1.011975527	0	2096.08615	2	1048.547241	0.503582296	76.78877146
													DETLETEK	1	1	2xTMT6plex [N-Term; K8]	-	1.22	-	1.474470258	0	1422.772811	2	711.8891602	-1.242150178	41.06614121
													ISAPQER	1	2	1xTMT6plex [N-Term]	-	-	1.289	1.248948336	0	1029.589025	2	515.2982788	0.249077235	31.04863554
													YCFPNYVGRPK	1	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.41	-	-	0.83679688	0	1859.003831	3	620.3389893	-0.761976139	57.20293787
													AGFAGDQIPK	1	2	2xTMT6plex [N-Term; K10]	1.16	-	-	1.267605782	0	1461.846585	2	731.427063	0.180741649	57.31100783
11342680	ACTR1B	beta-centractin	9.574468085	4	4	1	376	42.267	6.4	-	1.396	-														
													EYEEDGSR	1	1	1xTMT6plex [N-Term]	-	1.396	-	1.404156685	0	1213.553427	2	607.2806396	0.47457892	31.93237899
													ISAPQER	1	2	1xTMT6plex [N-Term]	-	-	1.289	1.248948336	0	1029.589025	2	515.2982788	0.249077235	31.04863554
													YCFPNYVGRPK	1	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.41	-	-	0.83679688	0	1859.003831	3	620.3389893	-0.761976139	57.20293787
													AGFAGDQIPK	1	2	2xTMT6plex [N-Term; K10]	1.16	-	-	1.267605782	0	1461.846585	2	731.427063	0.180741649	57.31100783
5031571	ACTR2	actin-related protein 2 isoform b	15.4822335	5	9	5	394	44.732	6.74	1.288	1.167	1.283														
													DLMVGDEASELR	1	1	1xTMT6plex [N-Term]	-	0.834	-	1.328525543	0	1563.788588	2	782.399353	1.816847053	59.94730663
													DLMVGDEASELR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	1.277	-	-	2.130362988	0	1579.783503	2	790.395874	0.612841489	55.40068892
													IRIEDPPR	1	1	1xTMT6plex [N-Term]	1.253	-	-	0.920231164	1	1224.726187	3	408.9135742	-0.014087843	40.36498742
													LCYVGYNIEQEQK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.156	1.239	-	0.976386547	0	2102.099247	3	701.3695068	-2.511818695	69.6382102
													HIVLSGGSTMYPGLPSR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	1.309	-	-	1.462996006	0	2017.073812	3	673.0283203	-1.687708442	58.72512664
													HLWDYTFGPEK	3	1	2xTMT6plex [N-Term; K11]	1.35	1.312	1.283	1.354894757	0	1850.984141	3	617.6655884	-1.042268941	73.07840144
5031573	ACTR3	actin-related protein 3 isoform 1	25.35885167	8	20	8	418	47.341	5.88	1.042	1.111	1.181														
													LGYAGNTEPQFIIPSCIAIK	6	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	0.961	1.211	1.218	1.857827425	0	2650.467866	3	884.1584473	-2.670186353	97.31067175
													DITYFIQQLLR	5	1	1xTMT6plex [N-Term]	1.314	1.239	1.317	2.128888369	0	1638.941659	3	546.9852295	-0.319311816	105.9165481
													QYTGINAISK	3	1	2xTMT6plex [N-Term; K10]	0.891	1.039	-	1.51518023	0	1552.909914	3	518.309021	1.671782927	54.46045941
													DYEEIGPSICR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.167	-	1.414178133	0	1567.762374	2	784.385437	0.780439343	59.55521345
													FMEQVIFK	1	1	2xTMT6plex [N-Term; K8]	1.264	-	-	1.056412816	0	1499.869629	2	750.4380493	-0.537918211	89.19102446
													YDTDGSK	1	1	2xTMT6plex [N-Term; K7]	-	1.262	-	1.33556211	0	1243.657053	2	622.3319702	-0.313004547	31.69933301
													TLTGTVIDSGDGVTHVIPVAEGYVIGSCIK	2	1	2xTMT6plex [N-Term; K30]; 1xCarbamidomethyl	-	0.928	0.86	1.934886456	0	3516.902391	3	1172.970459	-1.58308257	94.96127438
													LSEELSGGR	1	1	1xTMT6plex [N-Term]	-	1.019	-	1.439268231	0	1176.642182	2	588.8240967	-1.075501664	45.41911128
701165620	ACYP1	acylphosphatase-1 isoform c precursor	5.426356589	1	1	1	129	14.116	9.7	-	-	1.375														
													ANFNNEK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.375	1.198784828	0	1294.715571	2	647.8612061	-0.336398692	39.11340412
47078295	ADA	adenosine deaminase	15.15151515	4	4	4	363	40.739	5.95	0.867	1.268	1.258														
													SSFLPEDEK	1	1	2xTMT6plex [N-Term; K9]	-	1.498	-	1.179048777	0	1509.820096	2	755.4140015	0.417778045	55.59086425
													VEPIPWNQAEGDLTPDEVVALVGQGLQEGER	1	1	1xTMT6plex [N-Term]	0.867	-	-	0.866452456	0	3574.822671	3	1192.278198	-0.735598288	102.9787271
													ELLDLLYK	1	1	2xTMT6plex [N-Term; K8]	-	0.978	-	0.962029874	0	1464.907788	2	732.9578247	0.39892208	97.3655988
													EAVDILK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.258	1.183163285	0	1245.78186	2	623.3950195	0.724639304	63.73461241
4557251	ADAM10	disintegrin and metalloproteinase domain-containing protein 10	2.005347594	1	2	1	748	84.088	7.77	0.935	-	0.855														
													AIDTIYQTTDFSGIR	2	1	1xTMT6plex [N-Term]	0.935	-	0.855	1.340099216	0	1930.011923	3	644.0090942	0.417984384	80.41522617

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
256773264	ADAM8	disintegrin and metalloproteinase domain-containing protein 8	3.519417476	1	1	1	824	88.713	7.55	0.946	-	-														
													NPVGVACTMAHEMGHNLGMDHDENVQGCR	1	1	1xTMT6plex [N-Term]; 3xOxidation [M9; M13; M19];	0.946	-	-	0.896329165	0	3513.502377	3	1171.839111	0.11496061	54.10363562
71565154	ADH5	alcohol dehydrogenase class-3	17.9144385	6	14	6	374	39.698	7.49	1.385	1.616	1.556														
													VDEFVTHNLSFDEINK	3	1	2xTMT6plex [N-Term; K16]	1.102	1.146	1.201	1.959818959	0	2365.243997	3	789.0842285	-2.479470673	84.88391563
													AFELMHSGK	2	1	2xTMT6plex [N-Term; K9]	1.194	-	1.109	1.028982401	0	1477.823741	3	493.279541	0.222324805	55.11679446
													IIGVDINK	3	1	2xTMT6plex [N-Term; K8]	1.552	1.46	1.5	1.148980737	0	1329.850608	2	665.430603	2.497644974	73.44865157
													AGDTVIPLYIPQCGECK	3	1	2xTMT6plex [N-Term; K17]; 2xCarbamidomethyl	1.791	1.884	1.721	1.116650462	0	2379.24526	3	793.7526245	-0.815201726	89.13221272
													IDPLAPLDK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.644	1.268899441	0	1439.887387	2	720.4476318	0.416513041	85.83254597
													AALEACHK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.731	1.711	1.441771626	0	1357.766227	3	453.2600403	-0.485437314	34.0429619
5802976	ADIRF	adipogenesis regulatory factor	18.42105263	1	2	1	76	7.85	5.31	1.042	-	0.777														
													TANQASDTFSGIGK	2	1	2xTMT6plex [N-Term; K14]	1.042	-	0.777	1.130055547	0	1854.996162	3	619.0045776	1.62665035	55.44894424
32484975	ADK	adenosine kinase isoform b	11.60220994	3	9	3	362	40.52	6.7	1.271	1.098	1.315														
													VEYHAGGSTQNSIK	3	1	2xTMT6plex [N-Term; K14]	1.309	1.371	1.31	2.158705235	0	1949.04926	3	650.3544312	-0.266900883	40.30718354
													ENILFGMGNPLLDISAVVDK	5	1	2xTMT6plex [N-Term; K20]	1.084	1.028	1.344	1.60200119	0	2603.451881	3	868.4898071	1.147356224	106.6998077
													ELFDELVK	1	1	2xTMT6plex [N-Term; K8]	-	0.717	-	1.046556711	0	1450.855753	2	725.9312134	-0.415404623	89.37520563
28373192	ADRM1	proteasomal ubiquitin receptor ADRM1 isoform 1	3.931203931	1	3	1	407	42.127	5.07	0.567	0.546	0.609														
													SQSAAVTPSSTTSSTR	3	1	1xTMT6plex [N-Term]	0.567	0.546	0.609	1.620531082	0	1796.918751	2	898.9641113	1.221767122	26.26235239
4557269	ADSL	adenylosuccinate lyase isoform a	1.859504132	1	1	1	484	54.854	7.11	-	1.659	-														
													NALDLLLPK	1	1	2xTMT6plex [N-Term; K9]	-	1.659	-	1.166296959	0	1454.934672	2	727.9719238	1.305327508	93.71846547
34577063	ADSS	adenylosuccinate synthetase isozyme 2	18.64035088	6	15	6	456	50.066	6.55	0.908	1.027	0.997														
													VGIGAFPTEQDNEIGELLQTR	1	1	1xTMT6plex [N-Term]	-	-	0.916	1.779260516	0	2516.319397	3	839.4452515	0.71681462	94.01862986
													LDILDMFTEIK	9	1	2xTMT6plex [N-Term; K11]	1.047	1.044	1.032	2.229231119	0	1796.02798	2	898.5196533	2.255132253	105.2824247
													GIGPVYSSK	1	1	2xTMT6plex [N-Term; K9]	-	0.921	-	1.097483397	0	1365.814222	2	683.4101563	-0.868741869	52.62587434
													LDGEIIPHIPANQEVLNK	2	1	2xTMT6plex [N-Term; K18]	0.91	1.238	-	1.308437586	0	2458.40698	3	820.1403809	-0.158839394	84.30755892
													FIEDELQIPVK	1	1	2xTMT6plex [N-Term; K11]	-	-	1	0.777915895	0	1789.051158	3	597.0224609	0.934323478	92.89995031
													DGVYFLYEALHGPPK	1	1	2xTMT6plex [N-Term; K15]	0.784	-	-	0.794069171	0	2164.184297	3	722.0636597	-3.637197675	93.41606252
568214566	AFAP1L2	actin filament-associated protein 1-like 2 isoform 3	1.033295063	1	3	1	871	96.978	5.35	-	1.162	1.263														
													QQNAESQGK	3	1	2xTMT6plex [N-Term; K9]	-	1.162	1.263	1.968756199	0	1447.790527	3	483.2681885	-0.355424561	26.37546324
31657119	AGBL2	cytosolic carboxypeptidase 2	1.10864745	1	1	1	902	104.128	9	-	-	0.986														
													DTHFTIEDLK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.986	1.585002184	0	1676.925958	3	559.6489868	3.846126414	87.36879044
116734847	AGL	glycogen debranching enzyme isoform 1	0.848563969	1	1	1	1532	174.652	6.76	-	-	1.226														
													EAMSAYNSHEEGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	-	1.226	0.835304737	0	1725.769978	3	575.9277344	-0.769821596	21.27433424
54873613	AGRN	agrin isoform 2 precursor	26.06356968	37	117	37	2045	214.706	6.4	0.921	0.886	0.924														
													TFVEYLNAVTESEK	9	1	2xTMT6plex [N-Term; K14]	0.757	0.752	0.74	2.517513037	0	2088.126508	2	1044.569214	2.223770618	94.19013932
													VLGESPVPHTVLNLK	4	1	2xTMT6plex [N-Term; K15]	0.946	0.893	0.961	1.243230224	0	2061.247232	2	1031.128296	1.010672977	79.84811834
													FGALCEAETGR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.037	0.94	0.821	1.176520824	0	1439.71503	2	720.3601685	-1.367997067	55.88942317
													VCGSDGVTYGNECQLK	3	1	2xTMT6plex [N-Term; K16]; 2xCarbamidomethyl	1.297	1.429	1.565	1.250496864	0	2245.099324	3	749.0393066	1.800705132	52.98994093
													QLLTPEHVLR	2	1	1xTMT6plex [N-Term]	0.926	-	0.857	0.910714805	0	1434.863014	3	478.9584656	-1.512981701	53.69665421
													AYGTGFVGCLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.806	-	-	1.228965044	0	1429.745936	2	715.3773804	1.082739352	59.31419942
													EAAYVCLCPGGFSGPHCEK	3	1	2xTMT6plex [N-Term; K19]; 3xCarbamidomethyl	0.85	0.906	0.825	2.874842167	0	2597.235106	3	866.4159546	-0.691350762	68.95270352
													VGPTCADEK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.883	0.862	-	1.341950536	0	1434.766286	2	717.8869019	0.167895594	38.66347389
													ASCYNSALGCCSDGK	3	1	2xTMT6plex [N-Term; K15]; 3xCarbamidomethyl	0.96	-	0.852	1.920626044	0	2107.961116	2	1054.486328	2.0225041	45.62970808
													LELGIGPGAATR	2	1	1xTMT6plex [N-Term]	-	0.943	-	0.996622026	0	1383.81573	3	461.9431763	-0.545080815	67.33976717
													GDFVSLALR	4	1	1xTMT6plex [N-Term]	1.143	1.085	1.125	1.391053677	0	1206.704389	2	603.8566284	1.3189775	75.04144126
													SPCQPNPCHGAAPCR	3	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.814	0.897	0.857	1.744574904	0	1937.873021	3	646.6292725	0.125453427	36.30119215
													ALGPAGCEADASAPATCAEMR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M20];	0.878	1.459	-	1.256644845	0	2351.062732	3	784.3588867	-0.265723982	47.18480351
													TPSLDAEGSNCPATK	5	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.868	0.958	0.968	1.570384502	0	2006.026476	3	669.3468018	-0.311205545	47.53461155
													SREPVTLGAWTR	1	1	1xTMT6plex [N-Term]	-	-	0.787	1.225040197	1	1601.896105	3	534.6373291	0.829457468	49.92634347
													VLPEGGAQCECPLGR	6	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.355	0.968	0.968	1.733552694	0	1871.930519	2	936.4674072	-1.592450598	57.42746268
													VLGAPVPAFEGR	6	1	1xTMT6plex [N-Term]	0.899	0.805	1.037	1.534413695	0	1441.836465	3	481.2832642	-0.850359636	73.56822798
													VVISGFGDPLICDNQVSTGDTR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.105	1.117	1.396	1.249278307	0	2579.297282	3	860.4389038	1.890486147	91.03330474
													SADGLTASCLCPATCR	3	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	1.067	1.015	2.958	2.014810801	0	1968.913883	2	984.961792	1.231478124	52.98321767
													DQCPEPCR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.682	0.778	1.48315239	0	1290.576822	2	645.7911987	-1.318278024	22.4983704
													SGCTPCSCDPQGAVR	2	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	1.147	1.019	-	0.952869058	0	1880.825068	2	940.9161987	0.028238106	31.84499531
													QAPVCGDDGVTYENDCVMGR	5	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.086	1.481	1.112	1.713222384	0	2472.07911	3	824.6975098	-0.458514099	54.16136848
													QAPVCGDDGVTYENDCVMGR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M18];	1.03	0.787	-	1.718251705	0	2488.074025	3	830.029541	0.01819354	47.58043897
													QVDVTSFAGHPCTR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.864	0.78	0.807	2.379238844	0	1803.900933	3	601.9719849	0.259659405	48.85778827
													LLDVNNQR	1	1	1xTMT6plex [N-Term]	1.092	-	-	1.047186852	0	1200.689801	2	600.8474731	-1.775205332	49.27435519
													SPCPSVVAPVCGSDASTYSNECELQR	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	-	0.958	1.22667253	0	3099.4019	3	1033.805908	0.410133766	64.8260724
													TEATQGLVLWSGK	5	1	2xTMT6plex [N-Term; K13]	0.703	0.743	0.749	1.920187116	0	1848.06312	3	616.6922607	-0.481944273	79.30576032
													STVPVNTNR	4	1	1xTMT6plex [N-Term]	-	1.133	0.868	1.633122206	0	1216.684716	2	608.8458252	-0.28106655	30.61183483
													EAACLQQTQIEEAR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.778	0.808	0.821	2.1486485	0	1875.943192	3	625.9865723	1.051186882	47.66916145
													EPLYVGGAPDFSK	4	1	2xTMT6plex [N-Term; K13]	1.008	0.9	0.862	2.110285044	0	1838.010021	2	919.5071411	-1.64082535	75.75089319
													FDTGSGPAVLTSAVPVEPGQWHR	5	1	1xTMT6plex [N-Term]	0.668	0.745	0.877	2.290991545	0	2637.362265	3	879.7921143	-0.180398639	85.36891305
													AAAVSSGFDGAIQLVSLGGR	2	1	1xTMT6plex [N-Term]	0.819	0.833	-	1.814936757	0	2105.155233	3	702.3861694	-5.357234014	93.35046872
													FHCQCPPGR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.967	0.994	1.613529086	0	1387.656076	3	463.2232971	-0.531459193	28.76235083
													VTCDGAYRPVCAQDGR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.658	0.765	0.776	1.296091795	0	2053.974509	3	685.3297729	0.125039359	40.93919546
													SIESTLDDLFR	1	1	1xTMT6plex [N-Term]	-	-	1.63	1.122235179	0	1524.810704	2	762.9100952	1.449274774	94.82893016
													ALEPQGLLLYNGNAR	1	1	1xTMT6plex [N-Term]	-	0.829	-	1.420058131	0	1858.038412	3	620.0161133	-2.489591291	78.007067
													ESLLDGGNK	1	1	2xTMT6plex [N-Term; K9]	-	0.859	-	1.124934077	0	1390.794215	2	695.9006348	-0.159821451	58.2765053
													HPLHLLEDAVTKPELRPCPTP	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	0.712	-	0.676612914	0	2878.601339	4	720.4050293	-1.060293573	70.58089126
9951915	AHCY	adenosylhomocysteinase isoform 1	35.41666667	16	40	16	432	47.685	6.34	2.117	2.524	2.014														

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													VADIGLAAWGR	2	1	1xTMT6plex [N-Term]	2.427	2.522	-	1.127010345	0	1357.77895	2	679.3937988	1.009417807	79.94492897
													ALDIAENEMPGLMR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M13]	-	-	1.26	1.40872705	0	1804.913472	3	602.3103027	1.597535378	77.60787415
													VPAINVNDSVTK	6	1	2xTMT6plex [N-Term; K12]	2.375	2.444	2.422	1.652968526	0	1715.010356	3	572.3408813	-1.320713326	65.08386048
													YPVGVHFLPK	1	1	2xTMT6plex [N-Term; K10]	2.746	-	-	1.132115841	0	1614.977205	3	538.9973755	0.227758536	69.80878568
													RATDVMIAGK	1	1	2xTMT6plex [N-Term; K10]	-	3.324	-	0.944979846	1	1519.903054	3	507.305481	-0.766179726	46.10449424
													FDNLYGCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C7]	-	2.05	-	0.635042012	0	1273.619673	2	637.3136597	0.290287552	53.39891328
													WLNENAVEK	5	1	2xTMT6plex [N-Term; K9]	1.7	2.811	2.974	1.686656356	0	1560.878613	2	780.9430542	0.13984972	61.98661938
													IILLAEGR	1	1	1xTMT6plex [N-Term]	-	2.974	-	0.98996675	0	1113.71931	2	557.3621216	-2.10455715	74.52164135
													AGIPVYAWK	2	1	2xTMT6plex [N-Term; K9]	3.094	3.697	-	1.891668081	0	1462.882242	2	731.9435425	-1.663899521	77.81250087
													GISEETTTGVHNLYK	3	1	2xTMT6plex [N-Term; K15]	2.256	2.204	-	1.228993893	0	2107.143555	2	1054.0802	4.541285573	51.46422083
													ATDVMIAGK	2	1	2xTMT6plex [N-Term; K9]	1.022	-	1.076	1.106368303	0	1363.801943	2	682.4036865	-1.354121201	60.43073711
													KLDEAVAEAHLGK	1	1	3xTMT6plex [N-Term; K1; K13]	-	1.823	-	1.75052011	1	2068.236951	3	690.0842285	0.571320841	56.48398611
													VAVVAGYGDVGK	4	1	2xTMT6plex [N-Term; K12]	1.324	1.983	1.441	1.605080485	0	1592.941214	2	796.9727783	-1.841693435	65.70370864
													RIILLAEGR	1	1	1xTMT6plex [N-Term]	-	1.317	-	2.015273094	1	1269.820421	3	423.9446106	-0.900011428	55.74214263
													DGPLNMILDDGGDLTNLIHTK	7	1	2xTMT6plex [N-Term; K21]	2.821	2.486	2.905	3.065991402	0	2710.448586	3	904.1558228	1.596979829	99.39390735
													LDEAVAEAHLGK	2	1	2xTMT6plex [N-Term; K12]	-	2.771	2.793	1.517739296	0	1710.979056	3	570.9973145	-0.973478091	60.29529589
61743954	AHNAK	neuroblast differentiation-associated protein AHNAK isoform 1	29.762309	75	202	75	5890	628.699	6.15	0.522	0.559	0.53														
													GDVDVSVPK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.547	1.286714792	0	1373.804052	2	687.4071045	2.096910671	52.51174752
													ADLDVSGPK	18	1	2xTMT6plex [N-Term; K9]	0.568	0.599	0.604	1.674406409	0	1359.788402	3	453.9347229	0.892705932	51.24370811
													GPEVDIEGPEGK	2	1	2xTMT6plex [N-Term; K12]	0.602	-	0.673	1.1479702	0	1684.915787	2	842.9607544	-0.922634205	54.62283992
													ADIEISGPK	2	1	2xTMT6plex [N-Term; K9]	0.632	0.625	-	1.837056041	0	1387.819702	2	694.4136963	0.298510047	54.65925924
													VDVECPDVNIEGPEGK	1	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl [C5]	-	-	0.78	1.798924208	0	2215.13167	2	1108.064209	-4.752860245	68.37559565
													LPTGQISGPEIK	1	1	2xTMT6plex [N-Term; K12]	0.524	-	-	1.601807714	0	1698.020192	3	566.6780396	-0.36916973	69.68215712
													GDVDVSLPEVEGEMK	1	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M14]	0.545	-	-	1.500818133	0	2078.072758	3	693.3651733	3.950260885	69.57064412
													VDINTPDVDVHGPDWHLK	3	1	2xTMT6plex [N-Term; K18]	0.466	0.519	0.415	1.741742253	0	2515.334543	4	629.5898438	1.193467489	73.13087482
													VDINAPDVDVHGPDWHLK	3	1	2xTMT6plex [N-Term; K18]	0.53	0.53	0.558	1.608159065	0	2485.323978	4	622.0884399	3.199339681	73.78424508
													VDINAPDVDVQGPDWHLK	1	1	2xTMT6plex [N-Term; K18]	-	0.708	-	1.232889056	0	2476.323644	3	826.1134644	0.886675864	84.58031039
													VGGSGVNVNAK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.939	1.919700742	0	1459.863298	2	730.4355469	0.355738788	44.88119601
													GDVDVSLPK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.476	0.537206709	0	1387.819702	2	694.4126587	-1.196781675	58.94881155
													GEGPDGDVK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.935	0.938862979	0	1331.720716	2	666.3637085	-0.432183569	32.43190917
													SEDGVEGDLGETQSR	1	1	1xTMT6plex [N-Term]	0.42	-	-	1.098381281	0	1807.850731	2	904.4284058	-0.66139673	39.5947352
													IGFSGPK	1	1	2xTMT6plex [N-Term; K7]	0.773	-	-	1.221925616	0	1163.718866	2	582.362915	-0.268227906	54.50874719
													KPDIDITGPK	2	1	3xTMT6plex [N-Term; K1; K10]	0.494	0.501	-	1.399179101	0	1771.093247	3	591.0372314	2.19885991	58.29482828
													GSEVGFHGAAPDISVK	2	1	2xTMT6plex [N-Term; K16]	0.273	-	0.303	0.966763854	0	2029.111861	3	677.0437012	2.311166632	58.52722593
													LDFEGPDAK	1	1	2xTMT6plex [N-Term; K9]	0.606	-	-	1.458284378	0	1449.798966	3	483.9370728	-1.587260258	64.33993061
													ISMPDFDLHLK	2	1	2xTMT6plex [N-Term; K11]	0.433	-	0.409	1.465684295	0	1773.997348	3	592.0024414	-2.580269499	90.29551758
													ISMPDFDLHLK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3]	-	-	0.26	0.777617395	0	1789.992263	3	597.3374023	3.011421535	74.05211563
													VDVEGPDVNIEGPEGK	2	1	2xTMT6plex [N-Term; K16]	0.81	0.727	-	1.65177691	0	2112.122485	2	1056.563477	-1.329608022	68.39032823
													VSVGAPDLSLEASEGSIK	1	1	2xTMT6plex [N-Term; K18]	-	0.795	-	0.949946344	0	2217.237849	3	739.7519531	1.559271145	82.76881133
													VNVEAPDVNLEGLGGK	1	1	2xTMT6plex [N-Term; K16]	0.617	-	-	1.255581975	0	2069.16429	3	690.3931274	0.260484013	82.04740904
													VDIDVPDVDVQGPDWHLK	2	1	2xTMT6plex [N-Term; K18]	0.516	0.493	-	1.993293047	0	2505.33896	3	835.7849731	0.561350626	90.51424893
													ISMPDLDLHLK	1	1	2xTMT6plex [N-Term; K11]	-	0.583	-	1.636766434	0	1740.012998	3	580.6751709	-1.171815779	89.61090055
													LSSSSSNDSGNK	2	1	2xTMT6plex [N-Term; K12]	-	0.583	0.625	1.273173571	0	1640.849164	2	820.9299316	2.086097446	31.44512886
													GPQVALK	1	1	2xTMT6plex [N-Term; K7]	-	0.384	-	1.417061925	0	1170.761065	2	585.8843384	0.286469906	56.22910012
													LEGGEVDLK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.71	0.95172435	0	1417.830266	2	709.4187012	-0.099177069	59.194385
													VDIEGPDVNIEGPEGK	6	1	2xTMT6plex [N-Term; K16]	0.709	0.641	0.687	1.789701223	0	2126.138135	2	1063.573608	0.849106107	72.96513207
													ISIPDVGLHLK	2	1	2xTMT6plex [N-Term; K11]	0.142	-	0.149	1.2057482	0	1650.035448	3	550.6817627	-2.856680483	85.04229872
													ISMPDLDLNLK	10	1	2xTMT6plex [N-Term; K11]	0.51	0.642	0.507	1.47502923	0	1716.997014	2	858.9984131	-4.347379794	93.65291763
													ISMPDIDLNLK	6	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3]	0.329	-	0.288	1.321432948	0	1732.991929	3	578.336853	2.352487604	80.57869829
													ISIPDVDLDLK	5	1	2xTMT6plex [N-Term; K11]	0.493	0.636	0.559	2.276490211	0	1686.008959	2	843.5109863	3.402814807	93.8589174
													GDVDVTGPK	2	1	2xTMT6plex [N-Term; K9]	-	0.673	0.718	1.802106857	0	1345.772751	2	673.3893433	-0.99689681	45.28511706
													ADVDVSGPK	2	1	2xTMT6plex [N-Term; K9]	-	0.589	0.596	1.191536069	0	1345.772751	3	449.2631836	1.668952836	46.27903219
													AGAISASGPELQGAGHSK	3	1	2xTMT6plex [N-Term; K18]	0.413	0.452	0.467	2.289921761	0	2096.150037	3	699.3882446	0.068524064	49.74660124
													GPEVDVSGPK	3	1	2xTMT6plex [N-Term; K10]	0.93	0.819	0.856	1.547516942	0	1442.825515	2	721.9174805	1.503305477	48.71255056
													VGIDTPDIDIHGPEGK	3	1	2xTMT6plex [N-Term; K16]	0.48	0.489	0.504	1.962529182	0	2121.159205	3	707.7248535	0.378381252	69.07175599
													VDIDAPDVDVHGPDWHLK	4	1	2xTMT6plex [N-Term; K18]	0.534	0.434	0.455	2.161527157	0	2486.307994	4	622.331604	-1.370676675	76.53983409
													VDIDTPDINIEGSEGK	2	1	2xTMT6plex [N-Term; K16]	0.555	-	0.549	2.372191668	0	2160.143614	2	1080.576172	0.672645092	78.75591121
													VDIDAPDVSIEGPDAK	3	1	2xTMT6plex [N-Term; K16]	0.58	0.527	-	1.750511527	0	2099.127236	3	700.3783569	-3.200510719	77.2150448
													VDVDVPDVNIEGPDAK	4	1	2xTMT6plex [N-Term; K16]	0.554	0.571	0.579	2.389304876	0	2140.153785	3	714.0540771	-2.853404615	79.34867436
													VDINAPDVGVQGPDWHLK	3	1	2xTMT6plex [N-Term; K18]	0.369	0.487	0.421	1.621422887	0	2418.318165	3	806.7772827	-0.359739873	79.53173984
													GDVDVSAPK	3	1	2xTMT6plex [N-Term; K9]	0.421	0.417	-	1.341323853	0	1345.772751	3	449.2617798	-1.46042081	46.8672242
													VSAPGVQGDVK	3	1	2xTMT6plex [N-Term; K11]	0.549	0.464	0.652	1.874745607	0	1514.894264	2	757.9501953	-0.758828538	50.69989216
													GEGPDVDVNLPK	5	1	2xTMT6plex [N-Term; K12]	0.558	0.556	0.563	1.639895439	0	1697.947421	2	849.4766846	-0.782532697	63.62168459
													GEGPEVDVNLPK	6	1	2xTMT6plex [N-Term; K12]	0.617	0.618	0.632	2.4556005	0	1711.963071	3	571.3258667	-0.014271537	64.38028897
													VDIDTPDIDIHGPEGK	3	1	2xTMT6plex [N-Term; K16]	0.72	0.694	0.642	1.358811617	0	2179.164684	3	727.0579834	-2.426161146	71.97679477
													IDVDAPDIDIHGPDAK	2	1	2xTMT6plex [N-Term; K16]	-	0.622	0.633	1.937102318	0	2149.154119	3	717.0561523	-0.10027608	73.04334462
													VSGPDLDLNLK	3	1	2xTMT6plex [N-Term; K11]	0.498	0.517	0.506	1.771772504	0	1628.962343	3	543.6600952	2.080677031	79.81340985
													ISMPEVDLNLK	3	1	2xTMT6plex [N-Term; K11]	-	0.503	-	1.498541355	0	1716.997014	2	859.0020142	-0.152760713	93.64876534
													ISMPEVDLNLK	4	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3]	0.273	0.271	0.229	1.270195961	0	1732.991929	3	578.336853	2.352487604	80.57869829
													GDLDIAGPNLEGDFK	2	1	2xTMT6plex [N-Term; K15]	0.735	-	0.732	1.642122269	0	2019.079892	2	1010.044067	0.478611881	83.83430078
													ISMPDIDLNLTGPK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M3]	0.333	-	-	1.148987055	0	1988.113835	3	663.3756714	-0.691102199	84.16314082
													VDIEAPDVSLEGPEGK	2	1	2xTMT6plex [N-Term; K16]	-	0.88	0.7	2.339021683	0	2113.142886	3	705.0530396	0.794793554	79.70836353

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													GDADVSVPK	1	1	2xTMT6plex [N-Term; K9]	-	0.572	-	1.041323304	0	1345.772751	2	673.3895264	-0.724777362	48.58911789
													ADVVVSGPK	3	1	2xTMT6plex [N-Term; K9]	0.639	0.666	0.673	1.987339497	0	1329.814222	2	665.4106445	-0.157899875	51.22543557
													LQGSGVSLASK	2	1	2xTMT6plex [N-Term; K11]	-	-	0.675	1.809750199	0	1504.909914	3	502.3079529	-0.404155369	60.84577772
													ISMPDVDLHLK	1	1	2xTMT6plex [N-Term; K11]	-	0.581	-	1.280607343	0	1725.997348	3	576.0046997	1.273183355	84.2524169
													ISMPDVDLHLK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3]	-	0.398	0.38	1.858421326	0	1741.992263	3	581.3363647	1.307484728	68.78793324
													VTAPDVDLHLK	3	1	2xTMT6plex [N-Term; K11]	0.457	0.485	0.489	1.716264963	0	1665.993978	3	556.0020752	-1.38368091	65.98689477
													AEGPDVAVDLPK	5	1	2xTMT6plex [N-Term; K12]	0.661	0.649	0.669	1.483777404	0	1668.957258	3	556.989624	-1.760877742	66.29111495
													IDVTAPDVSIEEPEGK	4	1	2xTMT6plex [N-Term; K16]	0.599	0.65	1.016	1.447919607	0	2157.169101	3	719.7268677	-1.414276078	77.46806923
													VDIDVPDVNIEGPEGK	6	1	2xTMT6plex [N-Term; K16]	0.733	0.695	0.615	2.33940506	0	2154.169435	2	1077.58728	-0.998553359	83.32629746
													VDVDIPDVNIEGPDAK	6	1	2xTMT6plex [N-Term; K16]	0.542	0.687	0.565	2.055669546	0	2154.169435	2	1077.589844	1.381460507	85.25759535
													VDIDVPDVNIEGPDAK	3	1	2xTMT6plex [N-Term; K16]	-	0.571	-	2.012751341	0	2154.169435	3	718.7272339	-1.061462393	84.10385396
													VDIDVPDVNLEAPEGK	1	1	2xTMT6plex [N-Term; K16]	-	0.443	-	1.5941571	0	2168.185085	3	723.3986816	-1.657316135	86.51220646
													GGVDVTLPR	1	1	1xTMT6plex [N-Term]	-	3.779	-	0.549124956	0	1142.673088	2	571.840332	0.261634323	58.94226927
													EVDVNLPK	1	1	2xTMT6plex [N-Term; K8]	-	0.632	-	0.75006181	0	1371.824787	2	686.4163818	0.510248744	59.30978566
													VDINAPDVEVQGK	2	1	2xTMT6plex [N-Term; K13]	-	0.67	0.636	1.616474986	0	1842.037299	2	921.5220947	-0.209521748	66.08284961
													VDVEVPDVSLEGPEGK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.808	1.126724243	0	2127.158536	2	1064.082764	-0.134087914	83.9512954
													GDMDVSLPK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M3]	-	0.222	-	1.045823097	0	1435.786687	2	718.3980103	1.432321271	50.9524547
													GSLGATGEIK	1	1	2xTMT6plex [N-Term; K10]	-	0.569	-	1.519082189	0	1390.830601	2	695.9180908	-1.21919188	50.72094209
													AEGPEVDVNLPK	1	1	2xTMT6plex [N-Term; K12]	-	1.004	-	1.141617894	0	1725.978721	2	863.4912109	-2.0719172	66.65922459
													GEGPDVDVTLPK	1	1	2xTMT6plex [N-Term; K12]	-	0.621	-	0.85542655	0	1684.952172	3	562.3220825	-0.283652803	67.14021844
													ADVDISGPK	1	1	2xTMT6plex [N-Term; K9]	-	-	-	0.655914128	0	1359.788402	3	453.934082	-0.521195981	49.76555561
													GDVDVTLPK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.292	0.940976977	0	1401.835352	2	701.4205322	-1.115613808	59.53376553
													ELLLPNWQGSGSHGLTIAQR	1	1	1xTMT6plex [N-Term]	1.033	-	-	1.431942701	0	2406.309108	3	802.7737427	-1.011030814	78.56256488
													VPDVDIK	1	1	2xTMT6plex [N-Term; K7]	0.53	-	-	1.220122933	0	1243.76621	2	622.3858032	-1.511389096	63.25609083
156766050	AHNAK2	protein AHNAK2	5.038826575	7	8	7	5795	616.242	5.36	0.457	0.723	0.712														
													EGEATATADRR	1	1	1xTMT6plex [N-Term]	-	0.754	-	1.530550122	1	1405.723286	3	469.2456665	-0.5973354	20.0791159
													SHSSSEAYEPR	1	1	1xTMT6plex [N-Term]	-	-	0.853	1.709470868	0	1478.707302	3	493.5737915	-0.324782518	23.94981509
													AEVTAPDVK	1	1	2xTMT6plex [N-Term; K9]	0.457	-	-	0.991585851	0	1387.819702	2	694.4126587	-1.196781675	49.19504301
													LEGDLSLADK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.668	1.197018027	0	1518.877945	2	759.9418945	-0.943003686	70.26577874
													HDLSTEGDSR	2	1	1xTMT6plex [N-Term]	-	0.683	0.678	2.035566807	0	1345.654538	3	449.2231445	0.254622372	21.65267926
													IQLIHDEK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.708	0.671103477	0	1453.877885	3	485.2984314	1.964181093	52.38146237
													LPEGHVPEGAGLK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.716	1.261996388	0	1762.02634	3	588.0135498	-0.138531378	58.15659745
6912280	AHSA1	activator of 90 kDa heat shock protein ATPase homolog 1	26.62721893	8	13	8	338	38.25	5.53	1.115	1.479	0.774														
													DEPDTNLVALMK	1	1	2xTMT6plex [N-Term; K12]	-	1.337	-	1.239545345	0	1803.992657	3	602.0021973	-0.342724857	85.97635203
													GIPAPEEER	2	1	1xTMT6plex [N-Term]	-	1.395	-	1.361390471	0	1226.657832	2	613.8330078	0.739183313	38.71441887
													LDGEASINNRK	1	1	2xTMT6plex [N-Term; K11]	-	2.122	-	1.385111809	1	1674.953904	3	558.9887085	-1.391890078	49.34477482
													DASNWSTDK	1	1	2xTMT6plex [N-Term; K9]	-	1.472	-	1.400214791	0	1481.763643	2	741.3860474	0.792843425	43.25554275
													EAMGIYISTLK	3	1	2xTMT6plex [N-Term; K11]	1.197	1.311	-	1.891857147	0	1683.97555	3	561.9956665	-1.843279898	84.86033603
													VFTTQELVQAFTHAPATLEADR	3	1	1xTMT6plex [N-Term]	0.925	1.09	0.774	2.683558941	0	2674.403796	3	892.138916	-0.598605613	96.81523733
													CEVTEVSK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	2.043	-	1.334457994	0	1409.771037	2	705.3893433	0.264350329	43.59728176
													LNWTGTSK	1	1	2xTMT6plex [N-Term; K8]	-	1.41	-	1.973892212	0	1364.793821	2	682.9001465	-0.589818944	56.89426788
156523970	AHSG	alpha-2-HS-glycoprotein preproprotein	5.449591281	2	4	2	367	39.316	5.72	0.806	1.443	0.755														
													EATEAAK	2	1	2xTMT6plex [N-Term; K7]	0.806	-	0.755	1.187656045	0	1177.682874	2	589.3447266	-0.592209512	26.27140329
													CDSSPDSAEDVRK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	1.443	-	1.424466372	1	1923.948226	3	641.9870605	-0.830385846	42.59691697
124248539	AIDA	axin interactor, dorsalization-associated protein	5.22875817	1	1	1	306	35.001	6.55	0.632	-	-														
													EAQAQHNNSEFTEEQK	1	1	2xTMT6plex [N-Term; K16]	0.632	-	-	2.260131836	0	2348.151887	3	783.3883057	-0.648841253	32.52709922
4757732	AIFM1	apoptosis-inducing factor 1, mitochondrial isoform AIF precursor	5.220228385	3	3	3	613	66.859	8.95	-	0.958	1.033														
													ALGTEVIQLFPEK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.033	2.469645023	0	1903.130471	3	635.0462036	-3.369879393	95.50457102
													ATAQDNPK	1	1	2xTMT6plex [N-Term; K8]	-	0.942	-	0.574715376	0	1302.741786	2	651.8746338	0.157520183	37.66627837
													SATEQSGTGIR	1	1	1xTMT6plex [N-Term]	-	0.994	-	0.562272727	0	1335.706573	2	668.3572388	0.469885434	25.54397573
728798446	AIM1	absent in melanoma 1 protein	1.1027278	2	3	2	1723	188.558	5.86	-	0.866	0.753														
													GTAAESGEEAAR	2	1	1xTMT6plex [N-Term]	-	0.866	0.778	1.205889106	0	1377.680752	2	689.3440552	0.059013354	25.41543602
													ETAIETK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.747	1.623429418	0	1249.740389	2	625.3740845	0.402919932	43.91600178
215490011	AIMP1	aminoacyl tRNA synthase complex-interacting multifunctional protein 1	3.571428571	1	1	1	336	37.016	8.65	1.001	-	-														
													ITFDAFPGEPDK	1	1	2xTMT6plex [N-Term; K12]	1.001	-	-	0.618839324	0	1794.967822	3	598.993103	-1.708374897	82.28064534
970259878	AK1	adenylate kinase isoenzyme 1 isoform 2	32.85714286	6	15	6	210	23.396	8.6	1.149	1.022	1.087														
													EVQQGEEFERR	2	1	1xTMT6plex [N-Term]	1.143	-	1.097	1.918188334	1	1635.828814	3	545.9472656	-0.959724506	30.7961548
													GQLVPLETVLDMLR	6	1	1xTMT6plex [N-Term]	1.169	1.123	1.1	2.277759075	0	1813.045472	3	605.0194702	-0.890328176	105.1441746
													VNAEGSVDSVFSQVCTHLDALK	3	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.03	0.963	0.952	1.753237009	0	2834.475864	3	945.4967041	-0.107623182	93.94175941
													YGYTHLSTGDLLR	1	1	1xTMT6plex [N-Term]	-	0.907	-	1.888279319	0	1724.9169	3	575.6424561	-2.368453771	61.69295754
													VDDNEETIK	2	1	2xTMT6plex [N-Term; K9]	-	1.075	1.114	1.538698196	0	1520.820824	2	760.9140015	-0.06408402	44.44385592
													EVQQGEEFER	1	1	1xTMT6plex [N-Term]	-	0.92	-	1.537870169	0	1479.727703	2	740.3691406	2.231505157	35.75946773
4502013	AK2	adenylate kinase 2, mitochondrial isoform a	23.84937238	4	8	4	239	26.461	7.81	1.136	1.243	1.161														
													AVLLGPPGAGK	3	1	2xTMT6plex [N-Term; K11]	1.205	1.234	1.205	1.344477296	0	1437.919356	2	719.4636841	0.511408418	66.76651974
													SYHEEFNPPK	2	1	2xTMT6plex [N-Term; K10]	1.131	1.256	-	1.387608528	0	1705.894992	3	569.3035889	0.716088369	52.48952499
													GIHSAIDASQTPDVVFASILAAFSK	1	1	2xTMT6plex [N-Term; K25]	1.155	-	-	1.457046747	0	3003.655543	4	751.6693115	-0.042100783	105.8697366
													AMVASGSELGK	2	1	2xTMT6plex [N-Term; K11]	1.032	-	1.111	1.521934748	0	1507.855435	2	754.4313965	0.053804064	52.4187364
21493022	AKAP12	A-kinase anchor protein 12 isoform 1	2.525252525	4	7	4	1782	191.367	4.41	0.872	0.533	0.58														
													GEGTEEAECK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.872	0.776	-	1.100932956	0	1567.767408	2	784.387085	-0.328485031	29.58242417
													AEAERPEEQAEASGLK	2	1	2xTMT6plex [N-Term; K16]	-	0.679	0.999	1.207602501	0	2173.150096	3	725.0542603	-0.860031842	49.98313903
													GSVEEPKPEEPK	2	1	3xTMT6plex [N-Term; K7; K12]	-	0.341	0.375	1.550197721	0	2013.147133	3	671.7201538	-0.608213974	42.91866128
													VTEVALK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.668	1.322627902	0	1217.786945	2	609.3970337	-0.126735787	56.45132553

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
964749097	AKNA	AT-hook-containing transcription factor isoform 1	0.555941626	1	1	1	1439	155.044	6.32	-	-	0.909														
													ASSTPSPK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.909	1.143349409	0	1232.725073	2	616.8665161	0.553664866	29.8925829
24497577	AKR1A1	alcohol dehydrogenase [NADP(+)]	32	8	15	8	325	36.55	6.79	1.203	1.365	1.149														
													AWRDPDEPVLLEEPVVLALAEK	2	1	2xTMT6plex [N-Term; K22]	1.525	1.619	-	2.580801249	1	2947.65448	3	983.2232666	0.260032067	99.63105504
													GLEVTAYSPLGSSDR	1	1	1xTMT6plex [N-Term]	1.179	-	-	0.85859108	0	1780.927859	2	890.9681396	0.642281421	68.29357861
													EDVGPGK	1	1	2xTMT6plex [N-Term; K7]	1.232	-	-	1.31157279	0	1159.672309	2	580.3389282	-1.491330502	34.10421456
													NADGTICYDSTHYK	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.14	1.343	1.351	2.037150383	0	2103.021725	3	701.6786499	-0.156357381	45.86552025
													QLNALNK	2	1	2xTMT6plex [N-Term; K7]	1.144	-	-	1.894197345	0	1258.788342	2	629.8964844	-2.105151368	49.67751394
													HIDCAAIYGNEPEIGEALK	3	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.213	1.207	1.252	1.828666449	0	2558.332495	3	853.4482422	-0.907308767	72.48875009
													ALEALVAK	2	1	2xTMT6plex [N-Term; K8]	1.085	-	1.01	1.190912604	0	1272.829144	2	636.916626	-2.489663981	70.85869825
													VFDFTFSPEEMK	1	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M11]	-	1.375	-	0.600943446	0	1950.992323	3	651.0030518	1.168212407	92.4227867
4502049	AKR1B1	aldose reductase	19.93670886	7	11	7	316	35.83	6.98	1.095	1.136	1.275														
													SPPGQVTEAVK	3	1	2xTMT6plex [N-Term; K11]	1.221	1.108	-	1.778453469	0	1570.920478	3	524.3127441	2.037596377	47.98019383
													VCALLSCTSHK	1	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	-	1.003	-	1.546640992	0	1733.944268	3	578.6518555	-1.876879096	56.54845633
													REELFIVSK	3	1	2xTMT6plex [N-Term; K9]	1.21	1.295	1.226	1.606308579	1	1578.961949	3	526.9927979	1.197694909	65.12836488
													LWCTYHEK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.023	-	-	1.697814226	0	1594.845205	3	532.2865601	-0.049104589	51.09790499
													LIQYCQSK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.144	-	1.295196176	0	1497.849956	2	749.4284058	-0.281314267	53.10583136
													VAIDVGYR	1	1	1xTMT6plex [N-Term]	0.885	-	-	1.543316007	0	1121.651625	2	561.3290405	-0.731381558	55.66795742
													TTAQVLIR	1	1	1xTMT6plex [N-Term]	-	-	1.501	0.860367477	0	1130.709474	2	565.8585205	0.25682603	51.9148315
223468663	AKR1B10	aldo-keto reductase family 1 member B10	2.848101266	1	3	1	316	35.997	7.84	3.61	4.203	3.749														
													REDLFIVSK	3	1	2xTMT6plex [N-Term; K9]	3.61	4.203	3.749	1.942222118	1	1564.946299	3	522.3201904	-0.179616986	62.58971056
1005261232	AKR1C2	aldo-keto reductase family 1 member C2 isoform 3	14.14141414	2	5	2	297	33.813	8.53	2.544	3.014	2.644														
													NLQLDYVDLYLIHFPVSVK	3	1	2xTMT6plex [N-Term; K19]	2.49	3.014	2.644	1.835258365	0	2734.558395	3	912.1911621	0.196762346	101.3684456
													EEPWVDPNSPVLLEDPVLCALAK	2	1	2xTMT6plex [N-Term; K23]; 1xCarbamidomethyl	2.684	-	-	2.059653759	0	3049.63203	3	1017.216675	1.128275159	102.259849
24497583	AKR1C3	aldo-keto reductase family 1 member C3 isoform 1	8.978328173	2	4	2	323	36.83	7.94	1.242	1.103	1.18														
													WVDPNSPVLLEDPVLCALAK	2	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	-	1.103	-	1.949658751	0	2694.494081	3	898.8372803	1.190227262	102.6270569
													SIGVSNFNR	4	1	1xTMT6plex [N-Term]	1.242	-	1.18	1.208283544	0	1222.674151	2	611.8409424	0.373824559	50.96307304
400153980	AKT1S1	proline-rich AKT1 substrate 1 isoform a	2.898550725	1	1	1	276	29.244	4.73	-	-	0.957														
													GALAEAAR	1	1	1xTMT6plex [N-Term]	-	-	0.957	1.802099705	0	987.5784599	2	494.293396	1.068757806	32.44999298
4502027	ALB	serum albumin preproprotein	37.11001642	21	75	17	609	69.321	6.28	0.773	0.833	0.803														
													YICENQDSISSK	4	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.871	0.812	0.796	1.144187808	0	1901.967899	3	634.6607666	-0.080083009	50.48683627
													QTALVELVK	3	1	2xTMT6plex [N-Term; K9]	0.795	0.809	0.816	1.494756341	0	1458.929586	3	486.9816895	0.636521038	74.8954852
													QNCELFEQLGEYK	4	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.796	0.736	1.472757101	0	2116.078512	2	1058.543335	0.4165308	82.0233334
													VFDEFKPLVEEPQNLIK	4	1	3xTMT6plex [N-Term; K6; K17]	1.009	1.02	1.057	2.233555317	0	2732.584165	3	911.5330811	0.192127316	95.25221859
													TCVADESAENCDK	6	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	0.849	0.971	0.929	2.184589148	0	1956.904313	2	978.9549561	-0.857017185	36.42119357
													ETCFAEEGK	5	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.739	0.766	0.764	1.468876362	0	1528.771765	2	764.8895264	0.006969238	44.42577677
													AAFTECCQAADK	3	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	-	0.759	-	1.085628867	0	1829.892626	2	915.4504395	0.533608495	47.61579943
													DAHKSEVAHR	1	1	2xTMT6plex [N-Term; K4]	-	1.076	-	1.437437415	1	1607.901809	4	402.730835	-0.185680648	28.62343396
													LVAASQAALGL	2	1	1xTMT6plex [N-Term]	0.666	1.077	-	1.075314641	0	1242.761903	2	621.885498	1.461288558	90.45552017
													RPCFSALEVDETYVPK	1	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.651	-	-	0.939002216	0	2369.257539	3	790.4229126	-1.4157334	72.4519032
													LVNEVTEFAK	4	1	2xTMT6plex [N-Term; K10]	0.751	0.824	-	2.219841957	0	1607.940879	2	804.47229	-2.223901339	79.55909428
													DLGEENFK	3	1	2xTMT6plex [N-Term; K8]	0.79	0.814	0.849	1.631075621	0	1409.767666	2	705.3879395	0.664071302	59.1080583
													AVMDDFAAFVEK	3	1	2xTMT6plex [N-Term; K12]	0.911	0.584	-	1.767529845	0	1800.960628	3	600.9886475	-5.130227192	95.99584991
													DVFLGMFLYEYAR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	0.41	0.559	0.453	1.615226746	0	1868.945424	3	623.6531372	-0.302453404	98.177476
													HPYFYAPELLFFAK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.668	1.399957299	0	2201.219955	3	734.4113159	-0.254452579	98.06030762
													AEFAEVSK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.028	1.334936738	0	1338.766938	2	669.8874512	0.513796487	52.31949171
													FQNALLVR	1	1	1xTMT6plex [N-Term]	-	-	0.689	0.786775529	0	1189.725458	2	595.3662109	-0.263232998	69.27024266
													CCTESLVNR	4	2	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.729	3.87	2.54	1.147972226	0	1367.660886	2	684.3336182	-0.677362265	35.21738171
													KVPQVSTPTLVEVSR	5	2	2xTMT6plex [N-Term; K1]	2.158	1.697	2.069	1.59824264	1	2098.26361	3	700.0919189	-1.146964591	63.51153661
													LVTDLTK	2	2	2xTMT6plex [N-Term; K7]	3.619	4.005	-	1.180152655	0	1247.79751	3	416.6033325	-1.655277711	65.73443718
													VPQVSTPTLVEVSR	14	2	1xTMT6plex [N-Term]	3.407	2.541	1.919	1.612645864	0	1741.005715	3	581.0072021	0.768484159	72.02690093
68163411	ALCAM	CD166 antigen isoform 1 precursor	7.890222985	4	11	4	583	65.061	6.25	0.614	0.649	0.596														
													VLHPLEGAVVIIFK	3	1	2xTMT6plex [N-Term; K14]	0.553	0.564	0.603	1.509249687	0	1993.261426	3	665.0918579	-0.203209437	96.11729916
													ALFLETEQLK	4	1	2xTMT6plex [N-Term; K10]	0.95	0.665	0.574	2.066103697	0	1649.98783	2	825.4960327	-1.842880449	83.55951388
													SSNTYTLTDVR	1	1	1xTMT6plex [N-Term]	-	0.634	-	1.037561297	0	1485.774653	2	743.3917847	1.103751457	46.1562291
													SVQYDDVPEYK	3	1	2xTMT6plex [N-Term; K11]	0.631	0.742	0.614	0.956688821	0	1800.942001	2	900.9751587	0.577093994	60.51488806
21361176	ALDH1A1	retinal dehydrogenase 1	3.592814371	3	7	1	501	54.827	6.73	1.528	1.532	1.37														
													ILDLIESGK	3	1	2xTMT6plex [N-Term; K9]	1.528	1.532	1.37	1.876608253	0	1445.897952	2	723.4506226	-2.755023484	91.59170476
													RVTLELGGK	3	3	2xTMT6plex [N-Term; K9]	2.119	2.091	-	1.699575305	1	1430.90952	3	477.6406555	-1.472103747	53.93618994
													VTLELGGK	1	3	2xTMT6plex [N-Term; K8]	-	1.189	-	1.367784262	0	1274.808409	2	637.9084473	0.948472917	66.83435583
153266822	ALDH1A3	aldehyde dehydrogenase family 1 member A3 isoform 1	49.609375	23	60	21	512	56.073	7.25	1.656	1.763	1.965														
													TIPTDDNVVCFTR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.015	0.482088298	0	1766.894451	2	883.951416	0.625301217	66.16508899
													EAGFPPGVVNIVPGFGPTVGAAISSHPQINK	5	1	2xTMT6plex [N-Term; K31]	1.11	1.416	1.32	1.826110959	0	3515.941494	5	703.9938354	-0.404845732	95.74975502
													IAFTGSTEVGK	5	1	2xTMT6plex [N-Term; K11]	1.481	1.524	1.358	1.967978239	0	1567.909579	2	784.4580078	-0.535895061	64.00966735
													RVTLELGGK	3	3	2xTMT6plex [N-Term; K9]	2.119	2.091	-	1.699575305	1	1430.90952	3	477.6406555	-1.472103747	53.93618994
													VTLELGGK	1	3	2xTMT6plex [N-Term; K8]	-	1.189	-	1.367784262	0	1274.808409	2	637.9084473	0.948472917	66.83435583
													ANSTDYGLTAAVFTK	3	1	2xTMT6plex [N-Term; K15]	1.337	1.224	1.036	0.88429141	0	2017.100627	2	1009.05426	0.305705032	82.07584077
													EEIFGPVQPILK	3	1	2xTMT6plex [N-Term; K12]	1.9	1.724	1.962	1.822221041	0	1828.098443	2	914.5481567	-5.145074914	91.35493963
													EQICEVEEGDKPDVDK	3	1	3xTMT6plex [N-Term; K11; K16]; 1xCarbamidomethyl	1.494	1.88	2.002	1.619103193	0	2577.332109	4	645.0874023	-1.679905738	53.66018033
													LASALESGTVWINCYNALYAQAPFGGFK	1	1	2xTMT6plex [N-Term; K28]; 1xCarbamidomethyl	-	2.104	-	1.696422577	0	3506.818268	4	877.4602051	0.206056443	103.0060128
													FATCNPSTR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.658	-	1.14439106	0	1282.641137	2	641.8249512	1.160912205	35.00728181
													VFVEEQVYSEFVR	2	1	1xTMT6plex [N-Term]	1.633	-	-	2.272480011	0	1859.974081	3	620.6623535	-0.845965082	91.02411249

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SVEYAK	1	1	2xTMT6plex [N-Term; K6]	1.756	-	-	1.024547577	0	1154.682146	2	577.8445435	-0.29048335	37.47170513
													AVEAAQVAFQR	2	1	1xTMT6plex [N-Term]	1.861	1.595	-	1.644907832	0	1418.795329	2	709.9002686	-1.457765319	54.37558971
													TEQGPQIDQK	7	1	2xTMT6plex [N-Term; K10]	2.032	2.02	2.087	2.821628332	0	1601.889906	3	534.6361694	2.527433855	41.02822707
													ELGEYALAEYTEVK	3	1	2xTMT6plex [N-Term; K14]	1.721	1.965	1.958	1.284766436	0	2073.115609	3	691.7096558	-0.576202716	87.00173329
													LECGGSAMEDK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	2.257	2.176	1.448027492	0	1654.818064	2	827.9115601	-1.341635592	49.74789143
													LECGGSAMEDK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M8];	-	1.88	-	1.035969138	0	1670.812979	3	557.6083984	-1.398479381	39.35480067
													IFINNEWHESK	4	1	2xTMT6plex [N-Term; K11]	1.997	1.761	1.688	1.669827819	0	1875.016504	2	938.0127563	0.923856035	65.27856507
													LLHQLADLVERDR	2	1	1xTMT6plex [N-Term]	1.576	1.67	-	0.916549623	1	1807.038747	4	452.5141296	-2.245688046	78.74990516
													VFVEEQVYSEFVRR	1	1	1xTMT6plex [N-Term]	1.231	-	-	1.766475201	1	2016.075192	3	672.6951294	-2.161028728	79.07844645
													LLHQLADLVER	3	1	1xTMT6plex [N-Term]	-	2.184	2.269	1.949644446	0	1535.910693	3	512.6416626	-0.168152375	81.9457678
													ILELIESGK	2	1	2xTMT6plex [N-Term; K9]	1.833	1.801	-	1.80873239	0	1459.913602	2	730.4595947	-1.157059481	93.12323268
													RPVGDPFDVK	1	1	2xTMT6plex [N-Term; K10]	-	1.06	-	0.54919368	0	1587.925898	2	794.4664917	-0.12044741	57.47202617
													ILELIESGKK	1	1	3xTMT6plex [N-Term; K9; K10]	-	-	3.464	0.994814336	1	1817.171497	3	606.3966064	2.074149822	85.90343865
25777732	ALDH2	aldehyde dehydrogenase, mitochondrial isoform 1 precursor	4.255319149	3	5	1	517	56.346	7.05	-	-	1.267														
													RVTLELGGK	3	3	2xTMT6plex [N-Term; K9]	2.119	2.091	-	1.699575305	1	1430.90952	3	477.6406555	-1.472103747	53.93618994
													VTLELGGK	1	3	2xTMT6plex [N-Term; K8]	-	1.189	-	1.367784262	0	1274.808409	2	637.9084473	0.948472917	66.83435583
													TEQGPQVDETQFK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.267	1.016311765	0	1965.032942	3	655.6835938	1.672435067	51.42620703
188035924	ALDH7A1	alpha-aminoadipic semialdehyde dehydrogenase isoform 1	17.43970315	8	19	8	539	58.45	7.99	1.453	1.592	1.406														
													QAVSMFLGAVEEAK	2	1	2xTMT6plex [N-Term; K14]	1.394	-	1.319	2.27779007	0	1938.077055	3	646.6965942	-0.941993071	96.05168272
													VNLLSFTGSTQVGK	2	1	2xTMT6plex [N-Term; K14]	1.297	-	1.18	1.249428391	0	1909.115883	3	637.0435791	0.157457538	89.50935317
													IQVLGSLVSLEMGK	5	1	2xTMT6plex [N-Term; K14]	1.624	1.671	1.665	1.951651692	0	1932.160391	2	966.5808716	-3.066140868	100.8270959
													ESGSDAWK	1	1	2xTMT6plex [N-Term; K8]	1.273	-	-	0.779432595	0	1337.710151	2	669.3583374	-0.562958509	42.65234625
													IWADIPAPK	3	1	2xTMT6plex [N-Term; K9]	1.77	1.673	-	1.384396195	0	1468.892807	3	490.3019409	-1.04676535	83.1762563
													GAPTTSLISVAVTK	4	1	2xTMT6plex [N-Term; K14]	1.136	1.118	1.473	2.249107599	0	1803.099171	2	902.0512695	-2.167572124	78.3892795
													QASVADYEETVK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.808	1.641460061	0	1797.963465	2	899.4855957	0.250086422	52.54942137
													STCTINYSK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	1.005	1.207625389	0	1531.81905	2	766.4142456	1.413078743	44.8398807
115387104	ALDH9A1	4-trimethylaminobutyraldehyde dehydrogenase	10.03861004	5	9	5	518	56.255	6.57	0.971	1.012	0.966														
													AFEPATGR	1	1	1xTMT6plex [N-Term]	-	1.036	-	0.640248418	0	1077.589025	2	539.2982178	0.124701414	36.36364785
													VEPADASGTEK	4	1	2xTMT6plex [N-Term; K11]	1.069	1.013	0.966	2.017874718	0	1561.847373	2	781.427124	-0.257024554	38.72262469
													EVNLAVQNAK	2	1	2xTMT6plex [N-Term; K10]	0.871	0.985	-	1.611258864	0	1543.920813	2	772.4633179	-0.941445831	54.89425614
													SPLIIFSDCDMNNAVK	1	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.934	-	-	1.120880246	0	2282.192496	3	761.4001465	-2.896130317	92.03179118
													FTEEVVK	1	1	2xTMT6plex [N-Term; K7]	-	1.005	-	1.603275895	0	1309.776774	2	655.3915405	-0.740481379	56.59367165
342187211	ALDOA	fructose-bisphosphate aldolase A isoform 2	56.69856459	18	124	15	418	45.232	8.25	1.261	1.303	1.254														
													LQSIGTENTEENRR	4	1	1xTMT6plex [N-Term]	1.088	1	1.05	1.507220507	1	1875.972183	2	938.4907837	1.123466985	35.78038761
													GVVPLAGTNGETTTQGLDGLSER	8	1	1xTMT6plex [N-Term]	1.524	1.424	1.489	1.250623703	0	2501.304476	2	1251.157471	1.275017209	72.45819151
													TVPPAVTGITFLSGGQSEEEASINLNAINK	30	1	2xTMT6plex [N-Term; K30]	1.354	1.479	1.341	2.579403162	0	3515.899748	4	879.730896	0.570481105	96.98934212
													IGEHTPSALAIMENANVLAR	10	1	1xTMT6plex [N-Term]	1.181	1.306	1.41	2.079207659	0	2336.25938	3	779.4208984	-4.810342377	85.7585904
													IGEHTPSALAIMENANVLAR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M12]	1.068	1.013	0.898	1.482726455	0	2352.254295	3	784.7575684	1.639515818	66.50266715
													YTPSGQAGAAASESLFVSNHAY	2	1	1xTMT6plex [N-Term]	1.49	-	1.526	1.812094212	0	2457.188383	2	1229.09729	-0.439462388	70.05811257
													LQSIGTENTEENR	11	1	1xTMT6plex [N-Term]	1.313	1.191	1.52	1.229079008	0	1719.871072	2	860.4401245	1.104846444	43.65027229
													ELSDIAHR	9	1	1xTMT6plex [N-Term]	1.316	1.369	1.331	2.495049953	0	1169.647602	3	390.5536804	-0.952406718	35.39369125
													QLLLTADDR	5	1	1xTMT6plex [N-Term]	1.188	1.196	1.207	1.889050841	0	1273.731332	2	637.3689575	-0.544173579	56.46576422
													ALANSLACQGK	9	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.141	1.054	1.096	3.123182535	0	1590.903783	3	530.9720459	-1.381752128	53.99045724
													GILAADESTGSIAK	4	1	2xTMT6plex [N-Term; K14]	1.329	1.477	1.383	2.814549446	0	1791.0264	2	896.0158081	-1.150267278	63.428114
													AAQEEYVK	1	1	2xTMT6plex [N-Term; K8]	-	1.468	-	1.04828012	0	1395.788402	2	698.3977051	-0.192023196	41.15550245
													RALANSLACQGK	4	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.553	1.6	-	2.089381695	1	1747.004894	3	583.0067139	0.397658624	43.54211332
													ALQASALK	4	1	2xTMT6plex [N-Term; K8]	1.147	1.093	1.038	1.811750889	0	1259.808743	2	630.4073486	-1.04977393	55.56841296
													ADDGRPFPQVIK	6	1	2xTMT6plex [N-Term; K12]	1.499	1.532	1.535	1.548241258	0	1801.037239	2	901.0216064	-0.72348275	58.91549257
													FSHEEIAMATVTALR	2	1	1xTMT6plex [N-Term]	-	1.375	-	0.926681817	0	1905.010149	3	635.6748657	-0.054992899	73.16500976
													FSHEEIAMATVTALR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	-	1.039	-	0.67691046	0	1921.005064	3	641.005127	-2.205132462	63.41049151
													YASICQQNGIVPIVEPEILPDGDHDLK	8	2	2xTMT6plex [N-Term; K27]; 1xCarbamidomethyl	1.914	1.968	2.019	2.318298578	0	3478.829226	3	1160.280884	-0.32431394	92.59998241
													RCQYVTEK	2	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.98	-	1.126799941	1	1541.851019	2	771.4291992	0.066768773	30.06136234
													VLAAVYK	1	2	2xTMT6plex [N-Term; K7]	1.302	-	-	1.487680197	0	1221.797116	2	611.402771	0.94080447	60.49818027
4885063	ALDOC	fructose-bisphosphate aldolase C	34.34065934	9	30	6	364	39.431	6.87	1.568	1.249	1.478														
													GVVPLAGTDGETTTQGLDGLSER	12	1	1xTMT6plex [N-Term]	1.478	1.239	1.438	2.331365108	0	2502.288491	4	626.3268433	-1.178114808	76.97759792
													QVLFSADDRVK	1	1	2xTMT6plex [N-Term; K11]	1.658	-	-	0.884709477	1	1736.01069	3	579.34198	0.401202256	55.12343085
													DNAGAATEEFIK	2	1	2xTMT6plex [N-Term; K12]	1.623	1.282	-	2.054721832	0	1723.926686	2	862.4684448	1.698023739	63.8679835
													GILAADESVGSMAK	2	1	2xTMT6plex [N-Term; K14]	1.914	-	-	1.501544237	0	1807.003556	3	603.0047607	-2.117800723	69.51666097
													TPSALAILENANVLAR	1	1	1xTMT6plex [N-Term]	-	-	1.505	1.286015153	0	1882.095927	2	941.552002	0.425109177	96.46492972
													YASICQQNGIVPIVEPEILPDGDHDLK	8	2	2xTMT6plex [N-Term; K27]; 1xCarbamidomethyl	1.914	1.968	2.019	2.318298578	0	3478.829226	3	1160.280884	-0.32431394	92.59998241
													RCQYVTEK	2	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.98	-	1.126799941	1	1541.851019	2	771.4291992	0.066768773	30.06136234
													VLAAVYK	1	2	2xTMT6plex [N-Term; K7]	1.302	-	-	1.487680197	0	1221.797116	2	611.402771	0.94080447	60.49818027
													GIVVGIK	1	1	2xTMT6plex [N-Term; K7]	1.425	-	-	0.725369811	0	1143.786551	2	572.3961792	-1.28473408	65.67463044
110349786	ALMS1	Alstrom syndrome protein 1	0.263852243	1	1	1	4169	460.909	6.27	-	-	0.978														
													GHEIIEPGNQK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.978	0.996872723	0	1679.94809	2	840.4778442	0.191611017	41.38644032
212549736	ANAPC7	anaphase-promoting complex subunit 7 isoform a	5.175292154	1	1	1	599	66.813	5.64	-	-	0.765														
													ILGDFLVAVNEYQEAMDQYSIALSLDPNDQK	1	1	2xTMT6plex [N-Term; K31]; 1xOxidation [M16]	-	-	0.765	1.364483833	0	3974.01452	4	994.253418	-5.706651268	74.3937058
384367970	ANKFY1	rabankyrin-5 isoform 3	1.073492981	1	1	1	1211	132.737	6.49	-	-	1.206														
													QPGANGEGEEEAR	1	1	1xTMT6plex [N-Term]	-	-	1.206	0.832704425	0	1572.745143	2	786.8753052	-1.15070674	26.03746493
38683807	ANKRD17	ankyrin repeat domain-containing protein 17 isoform a	0.499423742	1	1	1	2603	274.088	6.52	-	4.448	-														
													AESTANAGQSDNR	1	1	1xTMT6plex [N-Term]	-	4.448	-	0.945514739	0	1549.740392	2	775.3735962	-0.307604544	18.78340117
601984497	ANKRD2	ankyrin repeat domain-containing protein 2 isoform c	2.69058296	1	1	1	446	48.892	6.16	-	-	1.032														

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LPMDLLVLEDEK	1	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M3]	-	-	1.032	0.86163187	0	1889.070573	2	945.0397949	0.921126916	93.37940159
226437606	ANKRD34C	ankyrin repeat domain-containing protein 34C	2.803738318	1	2	1	535	58.22	9.03	-	1.75	1.759														
													TGASALVYAINADDK	2	1	2xTMT6plex [N-Term; K15]	-	1.75	1.759	1.291905403	0	1967.084977	3	656.3673706	1.312285151	72.92353837
5453880	ANP32A	acidic leucine-rich nuclear phosphoprotein 32 family member A	28.1124498	6	19	3	249	28.568	4.09	0.941	0.917	1.015														
													ELVLDNSR	5	1	1xTMT6plex [N-Term]	0.809	0.936	0.94	1.867181063	0	1174.662918	2	587.8341675	-1.582870315	49.19853975
													CPNLTHLNLSGNK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl [C1]	0.918	0.968	-	1.616302729	0	1926.063137	3	642.6919556	-0.946625657	55.83645584
													SLDLFNCEVTNLNDYR	3	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C7]	1.298	1.353	-	2.209912777	0	2202.069849	3	734.6936035	-1.630839788	88.58458965
													LLPQLTYLDGYDR	1	2	1xTMT6plex [N-Term]	-	-	1.099	0.899586558	0	1795.979166	3	599.3320923	1.423978361	94.12375432
													DLSTIEPLK	4	2	2xTMT6plex [N-Term; K9]	1.22	-	-	0.772619843	0	1473.892867	2	737.4492798	-1.07445373	71.96058677
													VSGGLEVLAEK	6	1	2xTMT6plex [N-Term; K11]	1.008	0.884	1.089	1.405242443	0	1559.940879	3	520.6512451	-1.088027412	76.37379069
5454088	ANP32B	acidic leucine-rich nuclear phosphoprotein 32 family member B	31.87250996	7	20	4	251	28.77	4.06	1.23	1.51	1.207														
													RETDDEGEDD	1	1	1xTMT6plex [N-Term]	-	2.327	-	0.090044446	1	1409.586577	2	705.2964478	-0.679846278	18.19378892
													LPNLTHLNLSGNK	5	1	2xTMT6plex [N-Term; K13]	1.176	1.174	1.091	1.955090404	0	1879.116552	3	627.0431519	-0.878004928	73.87257401
													IFGGLDMLAEK	5	1	2xTMT6plex [N-Term; K11]	1.202	1.201	1.198	1.669719577	0	1651.949336	2	826.4783325	0.031985886	95.72675381
													IFGGLDMLAEK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M7]	1.706	1.634	-	1.782205343	0	1667.944251	3	556.6509399	-3.587653352	88.63726831
													ELVLDNCK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl [C7]	-	-	1.319	1.232658148	0	1448.818322	2	724.9127808	-0.025452855	53.66349729
													SLDLFNCEVTNLNDYR	3	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C7]	1.298	1.353	-	2.209912777	0	2202.069849	3	734.6936035	-1.630839788	88.58458965
													LLPQLTYLDGYDR	1	2	1xTMT6plex [N-Term]	-	-	1.099	0.899586558	0	1795.979166	3	599.3320923	1.423978361	94.12375432
													DLSTIEPLK	4	2	2xTMT6plex [N-Term; K9]	1.22	-	-	0.772619843	0	1473.892867	2	737.4492798	-1.07445373	71.96058677
13569879	ANP32E	acidic leucine-rich nuclear phosphoprotein 32 family member E isoform 1	17.1641791	3	9	3	268	30.674	3.85	1.993	1.886	2.211														
													SLDLFNCEITNLEDYR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C7]	1.609	1.927	1.472	2.177555561	0	2231.085164	3	744.3646851	-2.537905908	95.40971691
													DLSTVEALQNLK	2	1	2xTMT6plex [N-Term; K12]	1.564	1.54	-	1.512623191	0	1789.047135	3	597.0197754	-1.320416929	86.41166957
													LELSDNIISGGLEVLAEK	4	1	2xTMT6plex [N-Term; K18]	2.966	2.785	2.611	2.186636686	0	2358.353213	3	786.7885742	-0.866491812	101.6224115
157266300	ANPEP	aminopeptidase N precursor	2.792140641	2	3	2	967	109.471	5.48	0.35	0.277	-														
													DNEETGFGSGTR	1	1	1xTMT6plex [N-Term]	0.508	-	-	1.229879618	0	1498.697131	2	749.8525391	0.447578758	30.27664845
													AQIINDAFNLASAHK	2	1	2xTMT6plex [N-Term; K15]	0.281	0.277	-	1.567685843	0	2071.170044	3	691.0617065	0.25210335	86.08732753
4502101	ANXA1	annexin A1	54.04624277	14	46	14	346	38.69	7.02	0.917	0.866	0.87														
													ILVALCGGN	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C6]	-	0.937	1.052	1.132371068	0	1145.654996	2	573.3317261	1.029636707	88.81685133
													GLGTDEDTLIEILASR	7	1	1xTMT6plex [N-Term]	0.947	0.828	0.843	2.40667057	0	1932.048702	3	644.6868896	-1.338700564	97.56644338
													DITSDTSGDFR	3	1	1xTMT6plex [N-Term]	0.952	0.857	0.889	1.109768867	0	1442.696068	2	721.850769	-1.252276278	44.963146
													TPAQFDADELR	2	1	1xTMT6plex [N-Term]	0.896	-	0.914	1.975631356	0	1491.764088	2	746.3855591	-0.165298213	53.83860795
													GTDVNVFNTILTTR	5	1	1xTMT6plex [N-Term]	0.807	0.684	-	1.348195195	0	1779.980229	3	593.9985962	0.565486179	89.64868605
													ALTGHLEEVVLALLK	1	1	2xTMT6plex [N-Term; K15]	0.892	-	-	0.72510922	0	2064.283283	3	688.765625	-0.465696742	103.3726311
													CLTAIVK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl [C1]	-	0.813	-	0.72904408	0	1262.790651	2	631.8991699	0.326755468	67.20990614
													GVDEATIIDILTK	7	1	2xTMT6plex [N-Term; K13]	0.945	0.91	0.895	1.746728063	0	1846.093751	2	923.5502319	-0.305386881	98.58717687
													MYGISLCQAILDETK	3	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl [C7]	0.881	0.876	1.363	2.550107479	0	2200.175783	2	1100.586792	-4.306794801	95.19424373
													ALYEAGER	3	1	1xTMT6plex [N-Term]	0.983	-	0.911	1.417270541	0	1137.610154	2	569.3093262	1.074053133	35.14318404
													GDRSEDFGVNEDLADSDAR	4	1	1xTMT6plex [N-Term]	0.978	0.923	0.809	2.160647392	1	2297.047927	3	766.3544312	0.354188096	49.80155698
													SEIDMNDIK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M5]	-	0.881	-	1.576844096	0	1538.81363	3	513.6092529	-0.276050932	45.82959767
													GGPGSAVSPYPTFNPSSDVAALHK	5	1	2xTMT6plex [N-Term; K24]	0.794	0.734	0.725	2.935683966	0	2814.482664	3	938.8305664	-1.960506391	74.26902054
													AAYLQETGKPLDETLK	2	1	3xTMT6plex [N-Term; K9; K16]	-	1.536	1.4	1.383964896	0	2464.426602	3	822.1474609	0.498230501	69.66849142
50845388	ANXA2	annexin A2 isoform 1	54.34173669	22	112	22	357	40.386	8.37	0.423	0.425	0.449														
													ELASALK	1	1	2xTMT6plex [N-Term; K7]	0.392	-	-	1.449884295	0	1189.755645	2	595.3820801	1.041017334	54.08357909
													GTDVPK	1	1	2xTMT6plex [N-Term; K6]	0.362	-	-	1.498620272	0	1074.655931	2	537.8320313	0.795501123	33.69139841
													TPAQYDASELK	9	1	2xTMT6plex [N-Term; K11]	0.367	0.413	0.48	2.081395626	0	1680.920872	2	840.9633789	-0.827485412	52.01365814
													SEVDMLK	2	1	2xTMT6plex [N-Term; K7]	-	0.654	0.617	1.252214074	0	1279.733195	2	640.3710327	1.245470301	54.18139046
													AEDGSVIDYELIDQDAR	9	1	1xTMT6plex [N-Term]	0.476	0.572	0.563	2.02408433	0	2138.045073	3	713.3532104	0.002295394	73.2926317
													AYTNFDAERDALNIETAIK	3	1	2xTMT6plex [N-Term; K19]	0.313	0.363	0.371	2.053520679	1	2613.392452	3	871.8013916	-1.082996666	85.76766801
													SALSGHLETVILGLLK	10	1	2xTMT6plex [N-Term; K16]	0.379	0.386	0.391	2.180206776	0	2109.304747	2	1055.155273	-0.700000795	100.1738991
													SYSPYDMLESIR	8	1	1xTMT6plex [N-Term]	0.59	0.766	0.622	2.146712542	0	1689.835538	3	563.949646	-0.682736096	83.96962336
													SYSPYDMLESIR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	0.421	0.49	-	2.105852604	0	1705.830453	3	569.2827759	1.946815237	65.27477144
													DLYDAGVK	4	1	2xTMT6plex [N-Term; K8]	0.412	0.361	0.356	1.370389819	0	1338.766938	2	669.8878784	1.152064556	53.0129058
													GVDEVTIVNILTNR	6	1	1xTMT6plex [N-Term]	0.401	0.408	0.413	1.769569755	0	1772.011529	2	886.5088501	-0.623762695	93.83813463
													TNQELQEINR	8	1	1xTMT6plex [N-Term]	0.653	0.544	0.795	2.358099937	0	1473.785886	3	491.9341431	1.350100607	38.59995115
													SVPHLQK	3	1	2xTMT6plex [N-Term; K7]	0.592	0.397	-	1.471326113	0	1266.793427	3	422.936554	1.327087115	43.55957118
													DIISDTSGDFRK	2	1	2xTMT6plex [N-Term; K12]	0.375	0.361	-	1.761669397	1	1811.990349	2	906.5003662	1.714800455	62.09154372
													ALLYLCGGDD	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C6]	-	0.35	0.325	1.433597922	0	1325.660869	2	663.3344727	0.603210458	84.98325486
													GLGTDEDSLIEIICSR	10	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C14]	0.403	0.468	0.364	1.853548884	0	2007.026587	2	1004.016602	-0.328976708	93.94680889
													RAEDGSVIDYELIDQDAR	7	1	1xTMT6plex [N-Term]	0.868	0.533	0.351	1.328390598	1	2294.146184	3	765.3865356	-0.492761278	63.09960337
													DALNIETAIK	4	1	2xTMT6plex [N-Term; K10]	0.406	0.389	0.455	1.936137319	0	1545.925229	2	773.4660645	-0.243875799	72.96379912
													SYSPYDMLESIRK	2	1	2xTMT6plex [N-Term; K13]	0.323	-	-	1.765184045	1	2047.093433	3	683.0348511	-1.677225518	79.45657298
													DIISDTSGDFR	4	1	1xTMT6plex [N-Term]	0.336	0.628	0.571	1.661822557	0	1454.732454	2	727.8687134	-1.583454182	57.49528895
													SLYYYIQQDTK	11	1	2xTMT6plex [N-Term; K11]	0.345	0.348	0.358	2.113834381	0	1880.020586	2	940.5125122	-1.509731307	74.91159364
													AYTNFDAER	1	1	1xTMT6plex [N-Term]	-	0.488	-	1.501726508	0	1315.647996	2	658.3279419	0.464652448	43.9386056
													QDIAFAYQR	2	1	1xTMT6plex [N-Term]	-	0.344	0.343	0.582046449	0	1340.716016	2	670.8603516	-1.931322494	52.6977399
4826643	ANXA3	annexin A3	45.51083591	15	30	15	323	36.353	5.92	0.93	0.959	0.947														
													VDEHLAK	2	1	2xTMT6plex [N-Term; K7]	0.99	-	0.921	1.99479115	0	1269.756708	2	635.3833008	2.061310237	37.96537878
													EYQAAYGK	1	1	2xTMT6plex [N-Term; K8]	0.844	-	-	1.14917016	0	1387.762187	2	694.3852539	0.752544283	40.29073016
													QDAQILYK	2	1	2xTMT6plex [N-Term; K8]	0.92	-	0.969	1.572421193	0	1436.851336	2	718.9298096	0.700386045	60.08086303
													DISQAYYTVYK	2	1	2xTMT6plex [N-Term; K11]	0.645	-	0.745	1.575932026	0	1808.983472	2	904.9940796	-1.43163846	68.5583907
													SDTSGDYEITLLK	4	1	2xTMT6plex [N-Term; K13]	0.943	0.959	0.918	1.701178432	0	1900.031545	3	634.0162354	1.372695467	76.90226271
													WGTDEDK	1	1	2xTMT6plex [N-Term; K7]	1.087	-	-	0.974890828	0	1308.683602	2	654.8455811	0.216491881	44.72475482

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NTPAFLAER	2	1	1xTMT6plex [N-Term]	0.94	-	1.047	1.125551462	0	1247.694552	2	624.3512573	0.549700595	51.33050856
													SLGDDISSETSGDFR	2	1	1xTMT6plex [N-Term]	0.839	-	0.832	1.135227323	0	1814.860567	2	907.9332275	-0.765117663	58.67730571
													GAGTNEDALIEILTTR	2	1	1xTMT6plex [N-Term]	1.03	1.117	-	1.235413551	0	1903.033386	3	635.0160522	0.114053848	93.7151111
													SLGDDISSETSGDFRK	2	1	2xTMT6plex [N-Term; K16]	1.183	1.068	-	1.014906645	1	2172.118462	3	724.7106934	-0.430534472	58.00324771
													DIVDSIK	1	1	2xTMT6plex [N-Term; K7]	0.838	-	-	1.223703623	0	1247.761124	2	624.383606	-0.952863424	62.80514961
													ALLTLADGR	1	1	1xTMT6plex [N-Term]	-	0.936	-	0.462940097	0	1158.704389	2	579.8553467	-0.838747686	67.75616267
													DYPDFSPSVDAEAIQK	5	1	2xTMT6plex [N-Term; K16]	0.879	0.941	0.997	1.489472389	0	2240.1487	2	1120.577148	-0.749622112	76.79712979
													SEIDLLDIR	2	1	1xTMT6plex [N-Term]	0.969	0.949	-	1.502691746	0	1302.746647	2	651.8759766	-1.512753845	80.85767271
													GIGTDEFTLNR	1	1	1xTMT6plex [N-Term]	-	-	0.97	1.573224664	0	1451.769174	3	484.5945435	-0.066407875	61.05884068
4502107	ANXA5	annexin A5	37.8125	11	25	11	320	35.914	5.05	0.994	1.093	1.012														
													GAGTDDHTLIR	4	1	1xTMT6plex [N-Term]	0.992	0.995	0.976	1.768387198	0	1384.738208	3	462.2506104	-0.671589263	31.99146061
													WGTDEEK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.345	0.784013987	0	1322.699252	2	661.8532104	-0.081614594	44.75789107
													NFATSLYSMIK	2	1	2xTMT6plex [N-Term; K11]	1.094	-	0.871	1.135515451	0	1732.970799	3	578.324646	-6.586684394	93.91746797
													SIPAYLAETLYYAMK	1	1	2xTMT6plex [N-Term; K15]	0.877	-	-	0.997068822	0	2192.207735	3	731.4072266	-0.277538707	104.7432462
													QEISAAFK	1	1	2xTMT6plex [N-Term; K8]	-	2.374	-	1.698566556	0	1351.798572	2	676.4025269	-0.588304411	54.71201572
													ALLLLCGEDD	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.976	0.969	-	2.25514245	0	1347.702734	2	674.3554688	0.687881665	93.84591565
													ETSGNLEQLLLAVVK	3	1	2xTMT6plex [N-Term; K15]	0.868	-	0.879	1.426203012	0	2072.236727	2	1036.622681	0.6553055	102.7270596
													LYDAYELK	1	1	2xTMT6plex [N-Term; K8]	0.893	-	-	0.900170386	0	1472.840103	2	736.9243774	0.933905052	69.57733038
													GDTSGDYK	1	1	2xTMT6plex [N-Term; K8]	-	0.946	-	1.57175982	0	1300.678517	2	650.842041	-1.315743074	31.08478891
													GTVTDFPGFDER	3	1	1xTMT6plex [N-Term]	1.215	1.099	1.175	2.00931716	0	1569.774653	2	785.3883667	-3.310036605	66.10923706
													GLGTDEESILTLLTSR	6	1	1xTMT6plex [N-Term]	0.932	0.982	0.957	2.61116004	0	1934.064352	2	967.5368042	1.023538041	99.23171974
71773329	ANXA6	annexin A6 isoform 1	7.578008915	4	5	4	673	75.826	5.6	1.121	-	1.026														
													ALIEILATR	2	1	1xTMT6plex [N-Term]	1.296	-	1.25	1.826365948	0	1228.782639	2	614.8948364	-0.19748687	91.14117377
													GTVRPANDFNPDADAK	1	1	2xTMT6plex [N-Term; K16]	1.041	-	-	0.933351099	0	2146.129302	3	716.0479736	0.030803567	46.93975002
													GLGTDEDTIIDIITHR	1	1	1xTMT6plex [N-Term]	-	-	0.738	1.731929898	0	1998.0705	3	666.6948853	-0.199031156	92.74872553
													EAILDIITSR	1	1	1xTMT6plex [N-Term]	-	-	0.974	1.295259237	0	1359.804496	2	680.4025879	-4.851645047	90.39732502
4809279	ANXA7	annexin A7 isoform 2	1.844262295	1	2	1	488	52.706	5.68	-	1.218	1.123														
													SDTSGHFER	2	1	1xTMT6plex [N-Term]	-	1.218	1.123	1.386646152	0	1264.611945	3	422.2087402	-0.219234743	25.50883715
91823262	ANXA8	annexin A8 isoform 2	47.09480122	13	42	2	327	36.858	5.78	0.893	0.908	0.865														
													DDVSSFVDPGLALQDAQDLYAAGEK	5	1	2xTMT6plex [N-Term; K25]	0.885	0.887	0.865	2.682634592	0	3082.562096	3	1028.193848	1.58765942	97.15693879
													EGVIIEILASR	4	2	1xTMT6plex [N-Term]	0.772	0.833	-	1.900886059	0	1428.862346	2	714.9338379	-1.362271709	94.47717846
													SETHGSLEEAMLTVVK	2	2	2xTMT6plex [N-Term; K16]; 1xOxidation [M11]	0.953	0.803	-	1.100287914	0	2205.183705	3	735.7318115	-1.280577977	56.48122601
													VFEEYEK	2	2	2xTMT6plex [N-Term; K7]	-	-	0.857	1.096151471	0	1401.766603	2	701.3879395	1.425905172	57.75077254
													ELHDAMK	1	2	2xTMT6plex [N-Term; K7]	-	0.956	-	1.027422309	0	1301.728778	3	434.580719	-0.902298234	36.83563958
													ELHDAMK	3	2	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]	0.833	0.881	0.854	1.54846561	0	1317.723693	3	439.9130859	0.767446548	29.28410202
													CTQNLHSYFAER	4	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.034	0.739	0.781	1.492070556	0	1754.848169	3	585.6207275	-0.307583768	44.89223767
													SEIDLNLIK	4	2	2xTMT6plex [N-Term; K9]	0.919	0.836	0.877	1.630446553	0	1502.919416	2	751.9620361	-1.743289991	79.94172286
													NALLSLVGSDP	1	2	1xTMT6plex [N-Term]	-	0.946	-	1.009640694	0	1314.746647	2	657.8748169	-3.263040029	93.90907568
													SATHLLR	1	2	1xTMT6plex [N-Term]	-	0.858	-	1.018346906	0	1026.625744	2	513.8164673	-0.08424656	30.30054951
													DLTETLK	1	2	2xTMT6plex [N-Term; K7]	-	-	0.837	1.429790497	0	1277.771689	2	639.3901978	1.11912623	56.25504664
													SSSHFNPDPDAETLYK	6	2	2xTMT6plex [N-Term; K16]	0.879	0.982	0.905	1.700308681	0	2266.139197	2	1133.572754	-0.42639371	55.1265984
													GIGTNEQAIIDVLTK	5	2	2xTMT6plex [N-Term; K15]	0.87	0.824	0.727	1.543330073	0	2030.189777	2	1015.599487	0.946418605	94.1992544
													SWIEQEGVTVK	3	1	2xTMT6plex [N-Term; K11]	0.919	0.958	-	1.338216066	0	1733.983807	2	867.4939575	-1.827191768	67.96167888
524552373	ANXA8L1	annexin A8-like protein 1 isoform 1	47.09480122	13	37	2	327	36.856	5.78	0.816	0.866	-														
													EGVIIEILASR	4	2	1xTMT6plex [N-Term]	0.772	0.833	-	1.900886059	0	1428.862346	2	714.9338379	-1.362271709	94.47717846
													SETHGSLEEAMLTVVK	2	2	2xTMT6plex [N-Term; K16]; 1xOxidation [M11]	0.953	0.803	-	1.100287914	0	2205.183705	3	735.7318115	-1.280577977	56.48122601
													VFEEYEK	2	2	2xTMT6plex [N-Term; K7]	-	-	0.857	1.096151471	0	1401.766603	2	701.3879395	1.425905172	57.75077254
													ELHDAMK	1	2	2xTMT6plex [N-Term; K7]	-	0.956	-	1.027422309	0	1301.728778	3	434.580719	-0.902298234	36.83563958
													ELHDAMK	3	2	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]	0.833	0.881	0.854	1.54846561	0	1317.723693	3	439.9130859	0.767446548	29.28410202
													CTQNLHSYFAER	4	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.034	0.739	0.781	1.492070556	0	1754.848169	3	585.6207275	-0.307583768	44.89223767
													SEIDLNLIK	4	2	2xTMT6plex [N-Term; K9]	0.919	0.836	0.877	1.630446553	0	1502.919416	2	751.9620361	-1.743289991	79.94172286
													NALLSLVGSDP	1	2	1xTMT6plex [N-Term]	-	0.946	-	1.009640694	0	1314.746647	2	657.8748169	-3.263040029	93.90907568
													SATHLLR	1	2	1xTMT6plex [N-Term]	-	0.858	-	1.018346906	0	1026.625744	2	513.8164673	-0.08424656	30.30054951
													DLTETLK	1	2	2xTMT6plex [N-Term; K7]	-	-	0.837	1.429790497	0	1277.771689	2	639.3901978	1.11912623	56.25504664
													AWIEQEGVTVK	2	1	2xTMT6plex [N-Term; K11]	0.897	0.866	-	1.562862158	0	1717.988892	2	859.4971924	-1.038420203	69.51388843
													DDVSSFVDPALALQDAQDLYAAGEK	1	1	2xTMT6plex [N-Term; K25]	0.597	-	-	1.19742465	0	3096.577746	3	1032.864746	0.626275653	98.87752898
													SSSHFNPDPDAETLYK	6	2	2xTMT6plex [N-Term; K16]	0.879	0.982	0.905	1.700308681	0	2266.139197	2	1133.572754	-0.42639371	55.1265984
													GIGTNEQAIIDVLTK	5	2	2xTMT6plex [N-Term; K15]	0.87	0.824	0.727	1.543330073	0	2030.189777	2	1015.599487	0.946418605	94.1992544
260436862	AP1B1	AP-1 complex subunit beta-1 isoform a	8.008429926	6	12	2	949	104.54	5.06	1.012	0.991	0.983														
													LAPPLVTLLSAEPELQYVALR	3	1	1xTMT6plex [N-Term]	0.988	1.038	1.133	1.730833769	0	2522.479527	3	841.4970093	-1.210066498	106.6486243
													DCPLNAEAASSK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.019	0.972	0.947	1.111244678	0	1720.894006	2	860.949707	-1.085655185	47.80066232
													TAAVCVAK	1	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	0.913	1.644720197	0	1277.765164	2	639.3864746	0.397951646	44.99119016
													CVSTLLDLIQTK	2	2	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.901	0.912	-	1.410957694	0	1849.086892	3	617.0304565	-5.448895419	98.2587532
													LASQANIAQVLAELK	2	2	2xTMT6plex [N-Term; K15]	0.716	1.369	-	1.173587441	0	2027.226496	3	676.4138184	0.199956998	99.59999707
													YNDPIYVK	1	2	2xTMT6plex [N-Term; K8]	-	-	0.899	0.649573028	0	1469.840437	2	735.4243164	0.625273653	61.92258875
71773010	AP1G1	AP-1 complex subunit gamma-1 isoform a	5.333333333	4	5	4	825	91.664	6.8	-	1.013	1.062														
													EEDNTYR	1	1	1xTMT6plex [N-Term]	-	0.883	-	0.477392405	0	1155.547947	2	578.27771	0.1694537	21.74684582
													TVQTDHNAVQR	2	1	1xTMT6plex [N-Term]	-	1.181	0.969	1.189514995	0	1497.79712	3	499.9371033	-0.242372977	21.96858875
													NVGNAILYETVLTIMDIK	1	1	2xTMT6plex [N-Term; K18]	-	0.631	-	1.122096539	0	2465.408954	3	822.4730835	-1.72646072	111.1976115
													STIVDCLK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	1.149	1.048763752	0	1393.812508	2	697.4089355	-1.372979679	59.717153
194473724	AP1M1	AP-1 complex subunit mu-1 isoform 1	4.137931034	2	2	2	435	49.809	7.61	-	1.186	-														
													VVQVFSEYFK	1	1	2xTMT6plex [N-Term; K10]	-	1.141	-	1.837742209	0	1703.977265	2	852.4936523	1.621610544	95.0877391

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SVELEDVK	1	1	2xTMT6plex [N-Term; K8]	-	1.246	-	1.108091712	0	1376.803717	2	688.9049683	-0.767971897	55.98544789
338827685	AP2A2	AP-2 complex subunit alpha-2 isoform 1	4.787234043	3	7	3	940	104.024	6.86	0.734	0.859	0.776														
													VGGYILGEFGNLIAGDPR	3	1	1xTMT6plex [N-Term]	0.589	0.939	0.743	1.575804949	0	2077.127956	3	693.0465698	-1.347686519	100.1653681
													THIETVINALK	2	1	2xTMT6plex [N-Term; K11]	0.791	-	0.886	1.41381216	0	1697.036177	3	566.3508911	1.145172902	68.95918761
													NNGVLFENQLLQIGLK	2	1	2xTMT6plex [N-Term; K16]	-	0.719	0.646	1.54686749	0	2258.327273	3	753.4462891	-1.310316062	97.36956984
71773106	AP2B1	AP-2 complex subunit beta isoform a	12.61829653	11	16	7	951	105.625	5.34	0.673	0.753	0.753														
													TAAVCVAK	1	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	0.913	1.644720197	0	1277.765164	2	639.3864746	0.397951646	44.99119016
													CVSTLLDLIQTK	2	2	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.901	0.912	-	1.410957694	0	1849.086892	3	617.0304565	-5.448895419	98.2587532
													LASQANIAQVLAELK	2	2	2xTMT6plex [N-Term; K15]	0.716	1.369	-	1.173587441	0	2027.226496	3	676.4138184	0.199956998	99.59999707
													YNDPIYVK	1	2	2xTMT6plex [N-Term; K8]	-	-	0.899	0.649573028	0	1469.840437	2	735.4243164	0.625273653	61.92258875
													DIPNENELQFQIK	2	1	2xTMT6plex [N-Term; K13]	0.642	0.761	-	2.047039509	0	2046.127176	3	682.7106934	-4.715988325	81.04514339
													AVWLPAVK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.765	0.892161429	0	1341.865864	2	671.4371338	0.839739765	85.95828843
													FLELLPK	1	1	2xTMT6plex [N-Term; K7]	0.698	-	-	1.364346623	0	1317.854631	2	659.4310303	0.116239585	94.67468231
													LQNNNVYTIAK	1	1	2xTMT6plex [N-Term; K11]	-	0.981	-	1.162061095	0	1736.01069	2	868.5095825	0.690214104	62.05448158
													IQPGNPNYTLSLK	1	1	2xTMT6plex [N-Term; K13]	0.671	-	-	1.44912374	0	1903.105319	3	635.0386353	-2.084108663	71.96527539
													APEVSQYIYQVYDSILK	3	1	2xTMT6plex [N-Term; K17]	0.634	0.585	0.61	1.509784937	0	2474.358298	3	825.4558716	-2.1164291	102.2889117
													QVFLATWK	1	1	2xTMT6plex [N-Term; K8]	-	0.757	-	1.143150687	0	1450.882242	2	725.944519	-0.331497656	84.22913926
909618061	AP2M1	AP-2 complex subunit mu isoform c	7.391304348	4	5	4	460	52.27	9.5	0.625	-	0.865														
													SNIWLAAVTK	1	1	2xTMT6plex [N-Term; K10]	0.7	-	-	2.085855484	0	1560.951385	2	780.9746094	-6.049131378	87.83416457
													ASENAIVWK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.982	1.045757651	0	1475.862235	2	738.4362183	1.981691358	59.50008296
													GTADETSK	2	1	2xTMT6plex [N-Term; K8]	0.611	-	0.67	0.995976329	0	1266.694167	2	633.8500977	-0.985350318	25.78847723
													DIILPFR	1	1	1xTMT6plex [N-Term]	0.567	-	-	1.176980257	0	1102.682197	2	551.8449097	0.313812936	84.15624645
666637993	AP2S1	AP-2 complex subunit sigma isoform 3	5.063291139	1	1	1	158	18.917	7.81	1.517	-	-														
													HTNFVEFR	1	1	1xTMT6plex [N-Term]	1.517	-	-	0.983882904	0	1278.679236	3	426.897644	-0.670692906	44.40837536
387849337	AP3D1	AP-3 complex subunit delta-1 isoform 3	0.740740741	1	3	1	1215	136.565	7.64	-	1.023	1.084														
													NDEGATHEK	3	1	2xTMT6plex [N-Term; K9]	-	1.023	1.084	1.271577954	0	1458.758892	3	486.9242554	-0.465742983	24.4353784
23510451	APEH	acylamino-acid-releasing enzyme	12.43169399	8	17	8	732	81.173	5.48	1.101	1.099	1.134														
													ALDVSASDDEIAR	1	1	1xTMT6plex [N-Term]	-	-	0.809	0.84024626	0	1590.817246	2	795.9120483	-0.267623647	53.20146644
													QFLEVWEK	3	1	2xTMT6plex [N-Term; K8]	1.09	1.213	-	1.654495835	0	1536.882636	3	512.9650879	-1.253100321	85.40154827
													SALYYVDLIGGK	2	1	2xTMT6plex [N-Term; K12]	1.115	1.124	-	1.223099351	0	1757.024943	3	586.3459473	-0.941786929	93.70250365
													ESPSGTMK	2	1	2xTMT6plex [N-Term; K8]	-	1.457	1.695	1.323617339	0	1294.707708	2	647.8572998	-0.29772019	43.2906062
													AGGTGPGEEK	3	1	2xTMT6plex [N-Term; K10]	-	0.956	1.09	1.876076818	0	1360.747265	2	680.876709	-0.825767781	28.88304055
													GSTGFGQDSILSLPGNVGHQDVK	3	1	2xTMT6plex [N-Term; K23]	0.702	0.964	0.748	2.104617596	0	2771.472827	3	924.4954224	-0.401775599	77.22848713
													SFNLSALEK	2	1	2xTMT6plex [N-Term; K9]	1.146	-	-	1.490389943	0	1466.861901	3	489.6245117	-1.989910399	76.62040892
													AESFFQTK	1	1	2xTMT6plex [N-Term; K8]	-	0.985	-	1.761613846	0	1415.793487	2	708.4008179	0.616023591	63.45862759
18375501	APEX1	DNA-(apurinic or apyrimidinic site) lyase	43.39622642	9	28	9	318	35.532	8.12	0.907	0.87	0.859														
													GAVAEDGDELR	1	1	1xTMT6plex [N-Term]	1.079	-	-	1.035247207	0	1360.690589	2	680.8495483	0.904834426	36.30976534
													VSYGIGDEEHDQEGR	3	1	1xTMT6plex [N-Term]	1.071	1.2	1.197	1.385676146	0	1919.893264	3	640.6369019	1.504347382	38.04431507
													LDYFLLSHSLLPALCDSK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	-	-	0.776	0.957148612	0	2550.404203	3	850.805603	-0.763454658	100.5377364
													KPLVLCGDLNVAHEEIDLR	2	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	0.825	-	0.752	1.414910793	0	2649.479827	4	663.1246338	-1.178398763	75.40814647
													GAVAEDGDELRTEPEAK	5	1	2xTMT6plex [N-Term; K17]	-	0.769	0.831	2.408356428	1	2245.171226	4	562.0494995	2.201327372	47.21724406
													EEAPDILCLQETK	3	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.996	0.922	1.806310773	0	2004.072364	3	668.6963501	1.064409154	76.87343429
													QGFGELLQAVPLADSFR	7	1	1xTMT6plex [N-Term]	0.813	0.819	0.847	2.164503813	0	2077.127956	2	1039.067993	0.36308217	98.60178474
													EAAGEGPALYEDPPDQK	5	1	2xTMT6plex [N-Term; K17]	1.012	1.006	1.042	2.446773767	0	2245.138863	3	749.0508423	-0.396182412	57.46293015
													LPAELQELPGLSHQYWSAPSDK	1	1	2xTMT6plex [N-Term; K22]	-	-	0.81	0.759951234	0	2924.555829	4	731.8929443	-2.010977596	92.3518144
219283152	API5	apoptosis inhibitor 5 isoform a	10.30534351	5	5	5	524	58.968	7.34	1.203	0.749	1.121														
													KLPDFLTAK	1	1	3xTMT6plex [N-Term; K1; K9]	1.203	-	-	1.311564565	1	1720.097604	3	574.0371704	-0.375495861	74.13620666
													RASEDTTSGSPPK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.226	1.340532303	1	1790.964862	3	597.6595459	-0.434215491	28.7789526
													SLQTVSGR	1	1	1xTMT6plex [N-Term]	-	0.749	-	1.121244192	0	1076.626138	2	538.8179321	2.275012398	33.12748485
													TLPDEVLTK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.029	1.02220118	0	1473.892867	2	737.4523926	3.149452959	67.4821594
													VLEDVTGEEFVLFMK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.108	1.294436812	0	2214.213214	3	738.7426147	0.034715844	102.2782206
4502147	APLP2	amyloid-like protein 2 isoform 1 precursor	6.815203145	4	7	4	763	86.9	4.79	1.802	1.761	1.61														
													QQLVETHLAR	3	1	1xTMT6plex [N-Term]	1.78	1.619	1.743	1.694126368	0	1423.821878	3	475.2791443	0.703572086	40.48469719
													VPYVAQEIQEEIDELLQEQR	1	1	1xTMT6plex [N-Term]	-	-	-	1.724486589	0	2658.382392	3	886.8001099	1.273266726	107.945153
													CLVGEFVSDVLLVPEK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.832	1.838	-	1.728105187	0	2262.281963	3	754.7654419	-0.084090493	102.0662209
													CQFFHK	1	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	-	-	1.536	0.70451802	0	1324.723634	3	442.2459412	-0.274369433	47.80601278
4557321	APOA1	apolipoprotein A-I isoform 1 preproprotein	7.116104869	2	2	2	267	30.759	5.76	-	0.754	-														
													LHELQEK	1	1	2xTMT6plex [N-Term; K7]	-	0.802	-	1.781377435	0	1354.809471	3	452.2745361	-0.307232545	41.48065266
													VSFLSALEEYTK	1	1	2xTMT6plex [N-Term; K12]	-	0.679	-	1.213008285	0	1845.040987	3	615.6856079	0.695524098	98.59810113
4502149	APOA2	apolipoprotein A-II preproprotein	29	2	4	2	100	11.168	6.62	-	0.701	0.725														
													EPCVESLVSQYFQTVTDYGK	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	-	0.687	-	2.074054003	0	2808.416618	3	936.8109131	0.558349428	101.1274518
													SPELQAEAK	3	1	2xTMT6plex [N-Term; K9]	-	0.724	0.725	2.070857286	0	1430.825515	3	477.6144104	2.210361178	45.43830215
22907039	APOBEC3C	DNA dC->dU-editing enzyme APOBEC-3C	6.842105263	1	3	1	190	22.811	7.59	0.821	-	0.725														
													NQVDSETHCHAER	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.821	-	0.725	1.149278045	0	1811.829224	3	604.6143188	-0.45324748	18.18559062
4502157	APOC1	apolipoprotein C-I precursor	19.27710843	2	3	2	83	9.326	8.47	0.743	-	0.725														
													QSELSAK	2	1	2xTMT6plex [N-Term; K7]	0.726	-	0.725	1.786916137	0	1220.725073	2	610.8660278	-0.240878101	35.26433496
													EFGNTLEDK	1	1	2xTMT6plex [N-Term; K9]	0.79	-	-	1.610550046	0	1510.815345	2	755.9103394	-1.285676022	54.94303439
705044002	APOE	apolipoprotein E isoform a precursor	20.99125364	6	9	6	343	39.023	6.24	0.533	0.631	0.666														
													QQTEWQSGQR	3	1	1xTMT6plex [N-Term]	0.621	0.66	0.746	1.712317944	0	1476.73927	2	738.8738403	0.767680582	26.89852327
													LGPLVEQGR	1	1	1xTMT6plex [N-Term]	-	0.853	-	1.367826343	0	1197.715288	2	599.3616333	0.586409449	54.33666519
													ELQAAQAR	1	1	1xTMT6plex [N-Term]	-	0.612	-	1.342427492	0	1115.637037	2	558.3217773	-0.680564085	38.91829762
													SELEEQLTPVAEETR	1	1	1xTMT6plex [N-Term]	0.496	-	-	1.615768194	0	1960.007231	2	980.508728	1.50419072	63.33118624

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													WELALGR	1	1	1xTMT6plex [N-Term]	-	0.546	-	1.395661712	0	1073.630495	2	537.3193359	0.838076977	72.01706837
													WVQTLSEQVQEELLSSQVTQELR	2	1	1xTMT6plex [N-Term]	-	0.541	0.532	1.979104757	0	2959.557396	3	987.1922607	1.633141689	101.5583703
153266841	APOH	beta-2-glycoprotein 1 precursor	18.26086957	3	5	3	345	38.273	7.97	0.744	1.004	1.808														
													TCPKPDDLPFSTVVPLK	2	1	3xTMT6plex [N-Term; K4; K17]; 1xCarbamidomethyl	0.744	0.713	-	1.276806355	0	2601.492907	3	867.8348999	-1.061310973	89.87569869
													WSPELPVCAPIICPPPSIPTFATLR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	2.415	1.808	1.33307147	0	3048.625222	3	1016.877991	-1.903557049	103.1547616
													ATFGCHDGYSLDGPEEIECTK	1	1	2xTMT6plex [N-Term; K21]; 2xCarbamidomethyl	-	1.122	-	1.085407257	0	2844.322066	3	948.7776489	-1.291124061	65.4579275
4502167	APP	amyloid beta A4 protein isoform a precursor	18.57142857	12	33	12	770	86.888	4.82	1.152	1.178	1.15														
													EVCSEQAETGPCR	5	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.429	1.252	1.258	2.118427753	0	1751.789	2	876.3989868	0.969011001	29.08593203
													CAPFFYGGCGGNR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	0.874	1.161675215	0	1691.761997	2	846.3851929	0.657333709	58.17779183
													WYFDVTEGK	1	1	2xTMT6plex [N-Term; K9]	-	0.959	-	1.543668628	0	1602.856815	2	801.930481	-1.952848132	81.17662342
													LALENYITALQAVPPRPR	4	1	1xTMT6plex [N-Term]	1.02	1.072	1.044	1.748351574	0	2251.312402	3	751.1095581	0.763495286	93.36528555
													CLVGEFVSDALLVPDK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.155	-	1.121	1.376897335	0	2220.235012	3	740.7495728	-0.381706565	99.23047978
													YLETPGDENEHAHFQK	2	1	2xTMT6plex [N-Term; K16]	1.281	1.241	-	1.594073653	0	2373.187545	4	594.0525513	0.349988406	48.22657544
													HDSGYEVHHQK	5	1	2xTMT6plex [N-Term; K11]	1.309	1.297	1.389	2.671555281	0	1794.928751	4	449.4875183	-0.283079655	20.90160089
													QQLVETHMAR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	1.101	1.125	-	2.323393345	0	1457.773213	3	486.5953674	-1.141772302	26.39756934
													VESLEQEAANER	5	1	1xTMT6plex [N-Term]	1.112	1.295	1.144	1.749051452	0	1603.812495	2	802.4089966	-1.108749273	51.31870879
													EWEEAER	1	1	1xTMT6plex [N-Term]	-	-	1.446	1.189533949	0	1177.568683	2	589.2879028	-0.130698056	35.97524381
													AVIQHFQEK	2	1	2xTMT6plex [N-Term; K9]	-	1.169	1.115	1.559663653	0	1557.915333	3	519.9770508	0.812440653	51.74887132
													WDSDPSGTK	2	1	2xTMT6plex [N-Term; K9]	1.168	1.159	-	1.100809336	0	1450.75783	2	725.8828735	0.441686613	46.84349622
38788372	AQR	intron-binding protein aquarius	0.538720539	1	1	1	1485	171.186	6.37	-	0.507	-														
													VIEDIYEK	1	1	2xTMT6plex [N-Term; K8]	-	0.507	-	0.641331673	0	1466.850667	3	489.6223145	1.174406784	62.54539443
11863154	ARCN1	coatomer subunit delta isoform 1	19.56947162	9	23	9	511	57.174	6.21	1.502	1.474	1.475														
													IEGLLAAFPK	2	1	2xTMT6plex [N-Term; K10]	1.674	1.73	-	1.53271544	0	1516.950322	3	506.3218384	0.421870584	96.63083583
													QHTFVETESVR	2	1	1xTMT6plex [N-Term]	-	1.354	1.428	1.725438595	0	1561.817186	3	521.2771606	-0.164952984	43.99354093
													SFPVNSDVGVLK	5	1	2xTMT6plex [N-Term; K12]	1.465	1.436	1.528	1.805032849	0	1720.004542	3	574.0065918	0.395313273	74.7879002
													FSTETTFLVDK	2	1	2xTMT6plex [N-Term; K11]	-	1.432	1.484	0.906871915	0	1745.972573	3	582.6625366	0.276793169	84.78052045
													NTLEWCLPVIDAK	3	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.414	1.505	1.552	1.398101091	0	2017.119255	3	673.0415649	-4.517831933	94.67385542
													LFTAESLIGLK	5	1	2xTMT6plex [N-Term; K11]	1.38	1.449	1.29	1.882531881	0	1650.024215	2	825.5140381	-2.069974546	96.76038864
													NYCNIQVTK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.659	-	-	2.00315237	0	1597.877234	2	799.442688	0.541822954	50.95954038
													VTQVDGNSPVR	1	1	1xTMT6plex [N-Term]	-	0.94	-	1.259900212	0	1400.769508	2	700.887146	-1.779398965	39.21822104
													GVQLQTHPNVDK	2	1	2xTMT6plex [N-Term; K12]	-	1.408	1.396	1.857526422	0	1794.027403	3	598.6804199	-0.388145897	47.54047361
4502199	AREG	amphiregulin preproprotein	12.3015873	3	8	3	252	27.878	7.4	0.881	0.928	0.911														
													CQQEYFGER	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.971	-	0.937	1.611772537	0	1445.66808	2	723.3375244	-0.212657303	36.93119643
													YIEHLEAVTCK	5	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.864	0.884	0.904	2.055399656	0	1820.998077	3	607.6700439	-1.371947667	60.44557035
													TESENTSDKPK	1	1	3xTMT6plex [N-Term; K9; K11]	-	1.069	-	1.01910305	0	1923.063797	3	641.6933594	0.898553133	30.49969402
4502203	ARF3	ADP-ribosylation factor 3	30.93922652	4	5	2	181	20.588	7.43	1.038	0.931	0.868														
													ILMVGLDAAGK	1	2	2xTMT6plex [N-Term; K11]	1.029	-	-	1.639580607	0	1545.943856	2	773.475769	0.262070279	91.2803965
													LGEIVTTIPTIGFNVETVEYK	1	2	2xTMT6plex [N-Term; K21]	-	-	0.96	1.221506	0	2781.569019	3	927.8608398	-0.378523324	101.42719
													NISFTVWDVGGQDK	2	1	2xTMT6plex [N-Term; K14]	1.038	-	0.868	1.476672292	0	2024.085312	3	675.3668213	0.295964397	88.92048604
													DAVLLVFANK	1	1	2xTMT6plex [N-Term; K10]	-	0.931	-	1.902140856	0	1547.956136	2	774.4821167	0.530517899	93.85736548
4502205	ARF4	ADP-ribosylation factor 4	23.33333333	3	5	1	180	20.498	7.14	1.418	1.392	-														
													DAVLLLFANK	3	1	2xTMT6plex [N-Term; K10]	1.418	1.392	-	1.629822373	0	1561.971786	2	781.489624	0.118956614	97.53727445
													ILMVGLDAAGK	1	2	2xTMT6plex [N-Term; K11]	1.029	-	-	1.639580607	0	1545.943856	2	773.475769	0.262070279	91.2803965
													LGEIVTTIPTIGFNVETVEYK	1	2	2xTMT6plex [N-Term; K21]	-	-	0.96	1.221506	0	2781.569019	3	927.8608398	-0.378523324	101.42719
28416436	ARFGAP1	ADP-ribosylation factor GTPase-activating protein 1 isoform b	3.381642512	1	1	1	414	45.648	5.78	1.226	-	-														
													NSNSDGGEGGEGTK	1	1	2xTMT6plex [N-Term; K14]	1.226	-	-	1.304221869	0	1766.855706	3	589.6243286	1.543442305	23.19894531
31543983	ARFGAP2	ADP-ribosylation factor GTPase-activating protein 2 isoform 1	2.303262956	1	3	1	521	56.685	7.99	-	1.36	1.637														
													QHGCTANDANTK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	1.36	1.637	1.735894322	0	1774.890652	3	592.302063	0.554419982	23.47288165
4757766	ARHGAP1	rho GTPase-activating protein 1	24.60136674	8	10	8	439	50.404	6.29	0.797	0.895	0.763														
													LEQLGIPR	1	1	1xTMT6plex [N-Term]	-	0.882	-	1.724006891	0	1154.709474	2	577.8569946	-2.391391298	60.6135964
													AINPINTFTK	1	1	2xTMT6plex [N-Term; K10]	-	0.925	-	0.77036804	0	1576.946299	2	788.9772949	0.643074371	77.03672918
													VPATLQVLQTLPEENYQVLR	1	1	1xTMT6plex [N-Term]	0.89	-	-	1.925004005	0	2540.428554	3	847.4815063	0.555742049	96.35024695
													SSSPELVTHLK	3	1	2xTMT6plex [N-Term; K11]	0.728	0.882	0.818	2.202166796	0	1655.973242	3	552.6627808	0.330292267	55.28508111
													FLLDHQGELFPSPDPSGL	1	1	1xTMT6plex [N-Term]	-	0.779	-	1.448340178	0	2198.1331	2	1099.571899	1.556674673	97.08400494
													MTNTNLAVVFGPNLLWAK	1	1	2xTMT6plex [N-Term; K18]	-	0.74	-	1.102630973	0	2447.388493	3	816.4672241	-0.561405238	102.0403947
													SANTQVVR	1	1	1xTMT6plex [N-Term]	-	0.943	-	1.313408256	0	1103.637037	2	552.3226318	0.860538241	35.89360559
													IFYVNYLSELSEHVK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.665	1.62745595	0	2299.273841	3	767.0934448	-3.505144625	95.92591643
669033311	ARHGDIA	rho GDP-dissociation inhibitor 1 isoform e	22.48995984	5	35	5	249	27.501	5.01	1.926	2.025	1.972														
													TDHLSWEWNLTIK	4	1	2xTMT6plex [N-Term; K13]	1.826	1.264	1.829	1.693506956	0	2101.148246	3	701.0548706	0.862574266	87.6090557
													EIVSGMK	2	1	2xTMT6plex [N-Term; K7]	1.825	1.932	-	1.42172575	0	1221.727716	2	611.3671875	-0.505268066	49.51892208
													SIQEIQELDK	7	1	2xTMT6plex [N-Term; K10]	2.296	2.228	2.302	1.647967339	0	1660.952172	2	830.9799194	0.234803382	66.2314317
													TDYMVGSYGPR	5	1	1xTMT6plex [N-Term]	1.276	2.074	1.18	2.058030605	0	1474.719781	2	737.8634033	-0.169875917	52.00289509
													AEEYEFLTPVEEAPK	17	1	2xTMT6plex [N-Term; K15]	2.022	1.948	2.109	2.583473921	0	2210.163287	3	737.3928833	0.366340509	84.26138033
56676393	ARHGDIB	rho GDP-dissociation inhibitor 2	26.86567164	3	5	3	201	22.974	5.21	0.884	0.952	-														
													LTLVCESAPGPITMDLTGDLEALK	1	1	2xTMT6plex [N-Term; K24]; 1xCarbamidomethyl	-	1.099	-	1.455147266	0	3002.619417	3	1001.543762	-0.893672668	101.8830332
													TLLGDGPVVTDPK	3	1	2xTMT6plex [N-Term; K13]	0.884	0.926	-	1.620788217	0	1770.041322	3	590.6856689	0.639536447	72.82537354
													APEPHVEEDDDDELDSK	1	1	2xTMT6plex [N-Term; K17]	-	0.953	-	1.527604938	0	2398.129814	3	800.0469971	-1.407938403	47.47425532
50959191	ARHGEF5	rho guanine nucleotide exchange factor 5	0.814026299	1	1	1	1597	176.69	5.53	-	1.411	-														
													AQGQGGPEQGEER	1	1	1xTMT6plex [N-Term]	-	1.411	-	0.811094522	0	1571.761128	2	786.3840942	-0.137472186	29.58686668
4757774	ARL3	ADP-ribosylation factor-like protein 3	17.03296703	3	5	3	182	20.443	7.24	1.633	1.61	1.737														
													ILLLGLDNAGK	1	1	2xTMT6plex [N-Term; K11]	1.217	-	-	1.310326457	0	1585.008899	2	793.0043945	-4.660495915	95.16458096
													LSCVPVLIFANK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.815	1.744	1.737	1.547538042	0	1819.091583	3	607.0360718	1.142703342	97.59174022

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SAPDQEVR	1	1	1xTMT6plex [N-Term]	-	1.334	-	1.375981808	0	1130.600317	2	565.8029785	-1.44792879	34.74583861
13375746	ARMT1	protein-glutamate O-methyltransferase isoform a	7.709750567	2	2	2	441	51.14	5.76	0.699	-	1.014														
													FVDTDIWNQYLEYQQSLLNESDGK	1	1	2xTMT6plex [N-Term; K24]	0.699	-	-	0.998044074	0	3363.678522	3	1121.894043	-3.254369785	101.2949155
													HGEEGVEAEK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.014	1.357126236	0	1542.816407	3	514.9436646	0.021578941	30.97370317
5031601	ARPC1B	actin-related protein 2/3 complex subunit 1B	25.80645161	7	12	7	372	40.923	8.35	1.16	1.177	1.111														
													FAVGSGSR	1	1	1xTMT6plex [N-Term]	-	-	1.15	0.613070607	0	1009.56281	2	505.2850952	0.102994768	36.61023253
													EHNGQVTGIDWAPESNR	1	1	1xTMT6plex [N-Term]	1.244	-	-	1.577130556	0	2139.04166	3	713.6873169	2.682413205	48.22095733
													NAYVWTLK	3	1	2xTMT6plex [N-Term; K8]	1.25	1.255	1.136	2.178359747	0	1452.861507	2	726.9332886	-1.518686779	73.3263484
													ASSEGGTAAGAGLDSLHK	2	1	2xTMT6plex [N-Term; K18]	1.036	-	1.08	1.315027714	0	2087.113317	3	696.3765869	0.905740082	48.3328767
													EVEERPAPTPWGSK	1	1	2xTMT6plex [N-Term; K14]	-	1.114	-	1.427310586	0	2041.111861	3	681.0415039	-0.931933858	51.19606621
													IVTCGTDR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C4]	-	1.18	-	1.719292402	0	1150.608774	2	575.809082	1.836829814	34.06727723
													STVLSLDWHPNNVLLAAGSCDFK	3	1	2xTMT6plex [N-Term; K23]; 1xCarbamidomethyl [C20]	1.107	1.079	-	1.431013703	0	3002.580998	3	1001.526611	-5.234541761	94.07846435
23238211	ARPC2	actin-related protein 2/3 complex subunit 2	16.66666667	5	10	5	300	34.311	7.36	1.031	1.326	1.363														
													IIEETLALK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.675	1.740224361	0	1487.944902	2	744.4759521	-0.184471296	89.19379476
													DDDDVVIGK	2	1	2xTMT6plex [N-Term; K9]	0.911	1.377	-	0.977914572	0	1433.788795	2	717.3980713	0.049197012	58.98859644
													YFQFQEEGK	1	1	2xTMT6plex [N-Term; K9]	-	1.293	-	1.521432877	0	1633.862629	3	545.2927856	0.718924329	70.09922224
													ELQAHGADELLK	4	1	2xTMT6plex [N-Term; K12]	1.216	1.381	1.307	2.296447754	0	1782.016169	3	594.6777344	1.39191498	55.65128343
													DNTINLIHTFR	2	1	1xTMT6plex [N-Term]	-	1.264	1.203	1.329591036	0	1572.869556	3	524.9611816	-0.358954195	62.99465554
514052670	ARPC3	actin-related protein 2/3 complex subunit 3 isoform 1	7.303370787	1	4	1	178	20.533	8.59	1.305	-	1.249														
													DTDIVDEAIYYFK	4	1	2xTMT6plex [N-Term; K13]	1.305	-	1.249	1.88741684	0	2050.078495	2	1025.543823	0.914620772	99.11901863
311771647	ARPC4	actin-related protein 2/3 complex subunit 4 isoform c	21.92513369	5	13	5	187	21.574	8.59	1.265	1.263	1.285														
													EISEMK	1	1	2xTMT6plex [N-Term; K6]	1.223	-	-	1.421492457	0	1194.680431	2	597.8446655	1.358777331	45.4731852
													IVAEEFLK	2	1	2xTMT6plex [N-Term; K8]	1.307	1.258	-	1.698425174	0	1406.865924	2	703.9363403	-0.369321574	79.61448203
													QADEIEK	2	1	2xTMT6plex [N-Term; K7]	1.211	-	1.372	1.790307403	0	1290.730552	2	645.8691406	0.350406209	38.14283765
													HNKPEVEVR	3	1	2xTMT6plex [N-Term; K3]	1.331	1.28	1.273	1.9542346	0	1565.916396	4	392.2346191	0.160099544	26.40310976
													ELLLQPVTISR	5	1	1xTMT6plex [N-Term]	1.167	1.244	1.217	1.048869491	0	1497.920195	2	749.4640503	0.419979609	79.68602508
394025704	ARPC5	actin-related protein 2/3 complex subunit 5 isoform 2	46.75324675	5	8	5	154	16.62	6.02	0.928	1.119	1.403														
													VDVDEYDENK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.543	0.805850446	0	1683.847767	2	842.4279175	0.470126191	51.36611563
													ALAAGGVGSIVR	1	1	1xTMT6plex [N-Term]	-	-	1.176	0.996821821	0	1299.794601	2	650.4015503	0.941253285	57.92521392
													FVDEEDGGDGQAGPDEGEVDSCLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C22]	0.767	0.703	-	1.693159342	0	2782.194727	2	1391.599731	-0.913152969	63.1755657
													AVQSLDK	2	1	2xTMT6plex [N-Term; K7]	-	1.366	1.385	1.521264434	0	1218.745809	2	609.8762207	-0.528218227	44.85126148
													GFESPSDNSSAMLLQWHEK	1	1	2xTMT6plex [N-Term; K19]	1.189	-	-	1.99021244	0	2621.307008	3	874.4389648	-1.780191613	75.89397282
807201093	ARPP19	cAMP-regulated phosphoprotein 19 isoform 1	6.870229008	1	5	1	131	14.475	8.31	1.012	1.016	1.006														
													QLPTAAPDK	5	1	2xTMT6plex [N-Term; K9]	1.012	1.016	1.006	1.620120049	0	1398.835686	2	699.9208374	-0.920712365	50.49216164
313569797	ARSA	arylsulfatase A isoform a precursor	4.715127701	1	1	1	509	53.772	6.07	-	0.469	-														
													DPGENYNLLGGVAGATPEVLQALK	1	1	2xTMT6plex [N-Term; K24]	-	0.469	-	1.680079937	0	2884.582043	3	962.2008057	2.017741947	99.32757881
167736378	ASPDH	putative L-aspartate dehydrogenase isoform 1	2.826855124	1	1	1	283	29.927	7.28	-	3.997	-														
													LDAAGGLR	1	1	1xTMT6plex [N-Term]	-	3.997	-	0.60936439	0	1001.59411	2	501.3007813	0.175649995	45.58744136
5453668	ATG7	ubiquitin-like modifier-activating enzyme ATG7 isoform a	2.13371266	1	3	1	703	77.909	6.24	2.412	2.311	2.507														
													LLLEQAANEIWESIK	3	1	2xTMT6plex [N-Term; K15]	2.412	2.311	2.507	1.226452827	0	2215.273841	3	739.095459	-0.910409737	105.4214892
20127454	ATIC	bifunctional purine biosynthesis protein PURH	10.64189189	5	10	5	592	64.575	6.71	2.576	1.459	1.819														
													TLFGLHLSQK	1	1	2xTMT6plex [N-Term; K10]	3.621	-	-	1.006952405	0	1601.977934	3	534.6651001	1.756218303	71.44408229
													ALFEEVPELLTEAEK	3	1	2xTMT6plex [N-Term; K15]	2.022	1.444	-	1.39373219	0	2176.215323	2	1088.611328	0.026224427	100.4656953
													DLIVATIAVK	1	1	2xTMT6plex [N-Term; K10]	1.211	-	-	0.808858156	0	1500.976537	2	750.9922485	0.455570288	88.77143544
													EVSDGIIAPGYEEEALTILSK	3	1	2xTMT6plex [N-Term; K21]	1.55	1.691	1.819	1.540483475	0	2692.469699	3	898.1627197	1.45104314	98.40024607
													LDFNLIR	2	1	1xTMT6plex [N-Term]	1.71	1.269	-	1.796801209	0	1119.67236	2	560.3388672	-1.699153312	82.24037002
45827806	ATL3	atlastin-3 isoform 1	2.033271719	1	1	1	541	60.503	5.66	-	-	0.471														
													EHQHEEIQNVR	1	1	1xTMT6plex [N-Term]	-	-	0.471	1.690821052	0	1647.840047	4	412.715271	-0.481154482	24.14557923
4757804	ATOX1	copper transport protein ATOX1	23.52941176	2	3	2	68	7.397	7.24	0.728	0.763	-														
													YDIDLPNK	2	1	2xTMT6plex [N-Term; K8]	0.717	0.763	-	1.484226584	0	1435.819702	2	718.4129028	-0.816701384	66.05000188
													TVSYLGLE	1	1	1xTMT6plex [N-Term]	0.738	-	-	1.808810949	0	1110.624407	2	555.8155518	-0.522286717	76.75526168
32189394	ATP5B	ATP synthase subunit beta, mitochondrial precursor	8.128544423	3	3	3	529	56.525	5.4	1.468	1.142	-														
													SLQDIIAILGMDELSEEDK	1	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M11]	1.533	-	-	1.719694138	0	2593.368271	3	865.12854	1.078133491	103.2917694
													TVLIMELINNVAK	1	1	2xTMT6plex [N-Term; K13]	1.325	-	-	1.364829063	0	1916.165476	3	639.3933105	-0.051054763	103.9459536
													IGLFGGAGVGK	1	1	2xTMT6plex [N-Term; K11]	-	1.142	-	1.567610264	0	1433.888056	2	717.4480591	0.547800129	78.88265167
19913424	ATP6V1A	V-type proton ATPase catalytic subunit A	12.64181524	5	8	5	617	68.26	5.52	1.376	1.746	1.686														
													EILQEEEDLAEIVQLVGK	4	1	2xTMT6plex [N-Term; K18]	1.376	2.008	1.827	2.254071951	0	2513.411456	3	838.4750977	-0.284971746	105.2875642
													VLDALFPCVQGGTTAIPGAFGCGK	1	1	2xTMT6plex [N-Term; K24]; 2xCarbamidomethyl [C8; C22]	-	-	1.676	1.16239202	0	2894.530877	3	965.5146484	-0.513001092	99.82658244
													VGHSELVGEIIR	1	1	1xTMT6plex [N-Term]	-	-	1.689	1.235868216	0	1537.889957	3	513.3016357	0.257903084	55.41633595
													HFTEFVPLR	1	1	1xTMT6plex [N-Term]	-	1.622	-	2.278983593	0	1374.773137	3	458.928894	-0.733183583	62.5955087
													SDYAQLLEDMQNAFR	1	1	1xTMT6plex [N-Term]	-	-	1.516	0.855409086	0	2029.985056	3	677.3331299	-0.108203537	98.56041318
19913426	ATP6V1B1	V-type proton ATPase subunit B, kidney isoform	3.898635478	1	1	1	513	56.797	5.66	-	-	0.766														
													IPIFSAAGLPHNEIAAQICR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C19]	-	-	0.766	0.763742864	0	2407.311751	3	803.1090698	0.376225745	90.43491827
4502317	ATP6V1E1	V-type proton ATPase subunit E 1 isoform a	3.097345133	1	1	1	226	26.129	8	-	-	2.129														
													AEEIDAK	1	1	2xTMT6plex [N-Term; K7]	-	-	2.129	1.532479405	0	1233.709089	2	617.3585205	0.547726876	40.44244082
312032453	ATP6V1F	V-type proton ATPase subunit F isoform 2	16.32653061	1	1	1	147	16.391	5.08	-	1.372	-														
													LIAVIGDEDTVTGFLLGGIGELNK	1	1	2xTMT6plex [N-Term; K24]	-	1.372	-	1.307659507	0	2902.654146	3	968.2225342	-0.377727033	107.3256959
4757818	ATP6V1G1	V-type proton ATPase subunit G 1	7.627118644	1	2	1	118	13.749	8.79	-	1.204	1.152														
													GSCSTEVEK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl [C3]	-	1.204	1.152	2.109411716	0	1454.756115	2	727.8810425	-0.89847298	31.68270384
47717104	ATP6V1H	V-type proton ATPase subunit H isoform 1	3.3126294	1	3	1	483	55.847	6.48	2.76	2.551	3.323														
													YNIIPVLSDILQESVK	3	1	2xTMT6plex [N-Term; K16]	2.76	2.551	3.323	1.568571448	0	2289.347005	3	763.7861938	-1.300421921	106.8149406
7705927	ATPIF1	ATPase inhibitor, mitochondrial isoform 1 precursor	16.98113208	2	2	2	106	12.241	9.35	-	0.648	0.5														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													HHEEEIVHHK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.5	1.142766118	0	1752.954572	4	438.9940491	-0.117470778	19.8982744
													EAGGAFGK	1	1	2xTMT6plex [N-Term; K8]	-	0.648	-	1.562212467	0	1194.688294	2	597.8466797	-1.850654277	41.20331219
21450861	ATRN	attractin isoform 1 preproprotein	1.399580126	2	2	2	1429	158.432	7.31	0.996	-	1.191														
													ECDRPCVNGGR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	1.191	1.764454007	0	1548.720861	3	516.9111938	-1.183058276	21.4085042
													YGHSLALYK	1	1	2xTMT6plex [N-Term; K9]	0.996	-	-	1.508473992	0	1509.882971	3	503.9656067	-0.46615642	52.46578781
27262649	ATXN2L	ataxin-2-like protein isoform C	2.734731085	3	4	3	1097	115.511	8.66	-	1.374	1.179														
													STSTPTSPGPR	1	1	1xTMT6plex [N-Term]	-	-	1.025	1.262342215	0	1316.70076	2	658.8532715	-1.134131077	25.05250633
													DEGPVAEQVK	1	1	2xTMT6plex [N-Term; K10]	-	1.254	-	1.401868939	0	1529.857544	2	765.432373	-0.04849226	52.70074538
													ASEPAGGPR	2	1	1xTMT6plex [N-Term]	-	1.468	1.398	1.138327956	0	1070.579188	2	535.7929688	-0.492481085	24.6601328
13259533	AVP	vasopressin-neurophysin 2-copeptin preproprotein	20.73170732	3	18	2	164	17.313	5.29	5.569	4.949	4.008														
													QCLPCGPGGK	9	1	2xTMT6plex [N-Term; K10]; 2xCarbamidomethyl	5.569	5.386	4.008	1.786417961	0	1531.812525	3	511.2751465	-1.069985294	46.23782418
													AMSDLELR	1	1	1xTMT6plex [N-Term]	-	4.38	-	0.913462937	0	1163.629175	2	582.3182373	0.019971461	59.96333752
													CQEENYLPSPCQSGQK	8	2	2xTMT6plex [N-Term; K16]; 2xCarbamidomethyl	6.072	2.587	3.074	2.039573908	0	2383.142251	2	1192.073975	-0.662441048	54.60631689
21536466	AXL	tyrosine-protein kinase receptor UFO isoform 1 precursor	2.125279642	2	3	2	894	98.274	5.39	-	0.64	0.312														
													TSSFSCEAHNAK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	0.447	0.312	1.641784191	0	1796.900154	3	599.6378784	-0.596436086	43.44121385
													GLTGTLR	1	1	1xTMT6plex [N-Term]	-	0.836	-	1.212337017	0	946.5882963	2	473.797699	-0.184864721	48.78598962
4757826	B2M	beta-2-microglobulin precursor	41.17647059	4	26	4	119	13.706	6.52	0.297	0.307	0.279														
													SNFLNCYVSGFHPSDIEVDLLK	5	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	0.265	0.294	0.541	2.083389044	0	3012.554114	3	1004.858887	2.653063131	96.28845372
													HPAENGK	3	1	2xTMT6plex [N-Term; K7]	-	0.31	0.242	2.124689341	0	1210.694442	3	404.2362976	-0.084362933	19.82515852
													VNHVTLSQPK	10	1	2xTMT6plex [N-Term; K10]	0.268	0.295	0.273	1.871584058	0	1580.952447	3	527.6557007	0.064309829	42.28154985
													VEHSDLSFSK	8	1	2xTMT6plex [N-Term; K10]	0.323	0.319	0.318	2.089076996	0	1606.884093	3	536.300415	1.617488903	49.72668736
13929462	B4GALT1	beta-1,4-galactosyltransferase 1	21.35678392	6	15	6	398	43.892	8.65	0.697	0.667	0.804														
													HISVAMDK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.735	1.21491611	0	1358.786627	3	453.6000366	-0.788112495	45.95147676
													QQLDYGIYVINQAGDTIFNR	4	1	1xTMT6plex [N-Term]	0.647	0.717	0.695	2.280558109	0	2557.324817	3	853.1137085	0.686286806	97.29648594
													DCVSPHK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	0.68	-	-	1.611971021	0	1300.708377	3	434.2406921	-0.656822082	26.28501261
													LLNVGFQEALK	5	1	2xTMT6plex [N-Term; K11]	0.727	0.647	1.245	1.370227695	0	1690.030363	2	845.5195313	0.8418902	90.12772155
													ETMLSDGLNSLTYQVLDVQR	2	1	1xTMT6plex [N-Term]	0.719	0.769	-	2.256076097	0	2511.296219	3	837.7681274	-2.54452889	96.57816104
													FGFSLPYVQYFGGVSALSK	2	1	2xTMT6plex [N-Term; K19]	-	0.567	0.513	1.71649158	0	2525.384454	3	842.4660645	-0.32209774	102.7904051
14043024	BAG3	BAG family molecular chaperone regulator 3	2.434782609	1	2	1	575	61.557	6.95	-	1.498	1.517														
													VQGLEQAVDNFEGK	2	1	2xTMT6plex [N-Term; K14]	-	1.498	1.517	1.264931679	0	1992.080226	3	664.6987915	0.800721626	86.73224882
6631075	BAG4	BAG family molecular chaperone regulator 4 isoform 1	3.06345733	1	1	1	457	49.563	5.12	-	0.969	-														
													VQYLEQEVEEFVGK	1	1	2xTMT6plex [N-Term; K14]	-	0.969	-	1.032294989	0	2155.168707	3	719.0616455	0.777908213	101.0892626
4502389	BANF1	barrier-to-autointegration factor	8.988764045	1	2	1	89	10.052	6.09	-	0.954	0.911														
													DTCGANAK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.954	0.911	1.555317044	0	1294.682557	2	647.8452759	0.554960603	24.06247932
409971425	BASP1	brain acid soluble protein 1	71.8061674	11	55	11	227	22.68	4.63	0.623	0.612	0.617														
													ETPAATEAPSSTPK	4	1	2xTMT6plex [N-Term; K14]	0.609	-	0.567	1.605094552	0	1845.000579	3	615.671936	0.366376833	40.8264425
													APEQEQAAPGPAAGGEAPK	9	1	2xTMT6plex [N-Term; K19]	0.628	0.641	0.634	1.595539451	0	2234.181731	2	1117.594727	0.199413053	43.13267822
													ESEPQAAAEPAEAK	8	1	2xTMT6plex [N-Term; K14]	0.624	0.66	0.661	2.04889226	0	1885.990742	2	943.4997559	0.791434823	39.62002916
													TEAPAAPAAQETK	9	1	2xTMT6plex [N-Term; K13]	0.475	0.456	0.49	1.743999481	0	1742.968885	3	581.6608276	-0.548059034	48.78386495
													TEGAAEAK	3	1	2xTMT6plex [N-Term; K8]	0.571	0.556	0.61	1.880656004	0	1234.704338	2	617.8563843	0.93488348	28.74970384
													AAEAAAAPAESAAPAAGEEPSK	3	1	2xTMT6plex [N-Term; K22]	0.662	0.65	0.68	2.121865273	0	2425.261103	3	809.0913086	-0.713671096	48.21248148
													EKPDQDAEGK	7	1	3xTMT6plex [N-Term; K2; K10]	0.632	0.601	0.6	2.275816202	0	1804.005554	2	902.5065918	0.195755356	31.74068452
													AEGAATEEEGTPK	4	1	2xTMT6plex [N-Term; K13]	0.618	0.632	0.577	1.654525995	0	1747.91143	3	583.3084717	-0.324828208	35.29723286
													SDGAPASDSKPGSSEAAPSSK	3	1	3xTMT6plex [N-Term; K10; K21]	2.072	2.029	1.547	1.969449997	0	2620.366914	3	874.1260986	-1.210418871	40.68740178
													KTEAPAAPAAQETK	4	1	3xTMT6plex [N-Term; K1; K14]	0.662	0.642	0.606	1.814979553	1	2100.22678	3	700.7471313	0.029007805	39.75759358
													AQGPAASAEEPKPVEAPAANSDQTVTVK	1	1	3xTMT6plex [N-Term; K12; K28]	0.662	-	-	1.493546844	0	3450.868338	3	1150.959595	-1.19008896	56.1339218
612149787	BAX	apoptosis regulator BAX isoform 1	5.429864253	1	2	1	221	24.319	5.64	0.794	-	1.057														
													GGGPTSSEQIMK	2	1	2xTMT6plex [N-Term; K12]	0.794	-	1.057	1.200129747	0	1649.893277	2	825.4515991	1.602783782	45.49453246
15193488	BBC3	bcl-2-binding component 3 isoform 4	3.626943005	1	1	1	193	20.519	8.78	-	-	1.15														
													EIGAQLR	1	1	1xTMT6plex [N-Term]	-	-	1.15	1.565072417	0	1015.60976	2	508.3084412	-0.151934126	39.04697135
31543106	BCAM	basal cell adhesion molecule isoform 1 precursor	1.910828025	1	1	1	628	67.363	5.81	-	0.766	-														
													AGAAGTAEATAR	1	1	1xTMT6plex [N-Term]	-	0.766	-	2.312689781	0	1275.685444	2	638.3460083	-0.551851117	35.67851055
213511508	BCAP31	B-cell receptor-associated protein 31 isoform a	7.028753994	3	3	3	313	34.73	7.84	-	0.411	0.384														
													GAAVDGGK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.348	1.315711498	0	1132.672644	2	566.8396606	-0.528820874	30.33445484
													QSEGLTK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.465	1.702010751	0	1220.725073	2	610.8657227	-0.740869111	34.31940921
													DELASTK	1	1	2xTMT6plex [N-Term; K7]	-	0.411	-	1.379216194	0	1221.709089	2	611.3588867	1.152612773	39.31981165
7706581	BCCIP	BRCA2 and CDKN1A-interacting protein isoform BCCIPalpha	2.173913043	1	1	1	322	36.192	4.69	-	1.093	-														
													TFVEAGK	1	1	2xTMT6plex [N-Term; K7]	-	1.093	-	1.383752465	0	1209.724345	2	605.3655396	-0.448348783	48.12734517
315434255	BCL2L2-PABPN1	BCL2L2-PABPN1 protein	3.303303303	1	1	1	333	37.175	8.4	-	-	0.891														
													TSLALDESLFR	1	1	1xTMT6plex [N-Term]	-	-	0.891	1.199347973	0	1480.820875	2	740.9152222	1.548449226	81.30533656
157266337	BHMT	betaine--homocysteine S-methyltransferase 1	2.216748768	1	1	1	406	44.97	7.03	-	-	1.736														
													GTAELMQQK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.736	1.059628248	0	1463.82922	2	732.4177246	-0.71586305	47.84945484
51479166	BICD2	protein bicaudal D homolog 2 isoform 1	0.935672515	1	1	1	855	96.746	5.44	-	-	2.608														
													EAQHAEEK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.608	1.226039171	0	1399.758164	3	467.2575073	-0.139536492	21.6732382
37574726	BID	BH3-interacting domain death agonist isoform 1	6.22406639	1	4	1	241	26.819	7.08	1.279	1.29	1.486														
													DLATALEQLLQAYPR	4	1	1xTMT6plex [N-Term]	1.279	1.29	1.486	1.797210693	0	1931.079943	3	644.362854	-3.072891054	105.0045225
4557367	BLMH	bleomycin hydrolase	2.637362637	1	1	1	455	52.528	6.27	1.145	-	-														
													TLYNNQPIDFLK	1	1	2xTMT6plex [N-Term; K12]	1.145	-	-	1.676649213	0	1924.09442	3	642.0366211	0.462696238	88.3006508
359465572	BLVRA	biliverdin reductase A precursor	14.52702703	4	8	4	296	33.407	6.44	1.16	1.173	1.186														
													LLGQFSEK	2	1	2xTMT6plex [N-Term; K8]	-	1.044	1.164	1.001259208	0	1379.829872	2	690.4193726	1.15667679	68.98032122
													DQNIFVQK	2	1	2xTMT6plex [N-Term; K8]	1.245	1.246	-	1.62581265	0	1449.846585	3	483.9549255	2.509383659	58.25353529
													SGSLENVPNVGVNK	3	1	2xTMT6plex [N-Term; K14]	1.161	1.108	1.213	1.675157428	0	1872.059097	2	936.5311279	-2.199503548	61.03953761

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													ILHCLGLAEEIQK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.991	-	-	2.012238741	0	1982.150889	3	661.3879395	-0.81929213	79.64033672
4502419	BLVRB	flavin reductase (NADPH)	15.04854369	3	5	3	206	22.105	7.65	1.68	1.449	1.31														
													LQAVTDDHIR	3	1	1xTMT6plex [N-Term]	1.446	1.475	1.31	2.434002638	0	1396.774593	3	466.2619324	-2.397975218	44.11354915
													AHGVDK	1	1	2xTMT6plex [N-Term; K6]	1.778	-	-	0.955747604	0	1084.651514	3	362.2224731	1.246348321	24.60703396
													TVAGQDAVIVLLGTR	1	1	1xTMT6plex [N-Term]	-	1.331	-	1.110424161	0	1742.03735	3	581.3515625	1.598415786	91.28677328
5453579	BMP1	bone morphogenetic protein 1 isoform 3 precursor	2.434077079	2	2	2	986	111.178	6.9	0.583	0.775	-														
													AAAFLGDIALDEEDLR	1	1	1xTMT6plex [N-Term]	-	0.775	-	1.593773007	0	1948.022487	2	974.5169678	2.141411048	94.22514595
													ISVTPGEK	1	1	2xTMT6plex [N-Term; K8]	0.583	-	-	0.901079059	0	1288.787673	2	644.8984985	1.588407738	50.68622554
19718731	BRD4	bromodomain-containing protein 4 isoform long	3.083700441	1	1	1	1362	152.124	9.19	-	-	0.58														
													LENNYYWNAQECIQDFNTMFTNCYIYNKPGDDIVLMAEALEK	1	1	3xTMT6plex [N-Term; K28; K42]; 2xOxidation [M19;	-	-	0.58	0.167143494	0	5857.777757	4	1465.202515	1.787685396	49.37866026
55770900	BRIX1	ribosome biogenesis protein BRX1 homolog	6.798866856	1	1	1	353	41.375	9.92	-	-	0.852														
													IFQGSFGGPTLYENPHYQSPNMHR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M22]	-	-	0.852	1.381709576	0	3022.44674	3	1008.154419	0.649584958	74.94864017
124244088	BROX	BRO1 domain-containing protein BROX isoform a	2.189781022	1	1	1	411	46.447	7.65	-	1.363	-														
													ENITEDEAK	1	1	2xTMT6plex [N-Term; K9]	-	1.363	-	1.562121511	0	1506.805174	2	753.9060059	-0.291086902	41.2102328
38372919	BSG	basigin isoform 1 precursor	5.974025974	2	2	2	385	42.174	5.66	-	0.669	-														
													ITDSEDK	1	1	2xTMT6plex [N-Term; K7]	-	0.722	-	1.662137747	0	1265.698918	2	633.3527832	-0.496226821	36.96596063
													SSEHINEGETAMLVCK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M12];	-	0.578	-	1.404646277	0	2279.141189	3	760.3848267	-0.553739074	50.19619366
4757876	BST2	bone marrow stromal antigen 2 precursor	5.555555556	1	1	1	180	19.756	5.6	-	-	0.401														
													LQDASAEVER	1	1	1xTMT6plex [N-Term]	-	-	0.401	0.758838654	0	1346.711324	2	673.8596191	0.473257511	41.8891788
528524481	BTD	biotinidase isoform 1	2.201834862	1	1	1	545	61.29	6.01	-	-	1.129														
													DAQEVHCDEATK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	-	1.129	0.877589881	0	1860.916198	3	620.9768677	-0.07946766	30.1456035
83641885	BTF3	transcription factor BTF3 isoform A	28.6407767	5	8	4	206	22.154	9.38	1.096	1.011	0.555														
													TGAPAQADSR	1	1	1xTMT6plex [N-Term]	-	0.627	-	1.106792927	0	1202.63268	2	601.8192139	-1.271415329	21.27008743
													TATADDK	1	2	2xTMT6plex [N-Term; K7]	0.98	-	-	0.57331413	0	1179.662138	2	590.3342896	-0.708676163	25.53834842
													QLTEMLPSILNQLGADSLTSLRR	1	1	1xTMT6plex [N-Term]	0.921	-	-	1.630148172	1	2785.544329	3	929.1879883	1.824761393	101.9263786
													QLTEMLPSILNQLGADSLTSLR	3	1	1xTMT6plex [N-Term]	1.138	1.153	0.971	1.949401379	0	2629.443218	3	877.1522217	-0.420579889	105.3193091
													QLTEMLPSILNQLGADSLTSLR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	-	0.203	0.893704414	0	2645.438133	3	882.4848633	0.719696948	101.0289642
													VQASLAANTFTITGHAETK	1	1	2xTMT6plex [N-Term; K19]	-	-	0.861	0.847977996	0	2418.339294	3	806.7843628	-0.31387287	68.0289345
56847620	BTF3L4	transcription factor BTF3 homolog 4 isoform 1	22.15189873	3	6	2	158	17.26	6.35	1.132	1.166	1.18														
													LAVNNIAGIEEVNMIK	3	1	2xTMT6plex [N-Term; K16]	1.24	1.364	1.18	1.693550944	0	2186.261896	3	729.4255981	0.158052242	93.2136221
													TATADDK	1	2	2xTMT6plex [N-Term; K7]	0.98	-	-	0.57331413	0	1179.662138	2	590.3342896	-0.708676163	25.53834842
													DDGTVIHFNNPK	2	1	2xTMT6plex [N-Term; K12]	1.086	1.111	-	2.049565792	0	1814.980118	3	605.6646118	-0.460672143	52.45024987
333470719	BZW1	basic leucine zipper and W2 domain-containing protein 1 isoform 2	5.986696231	3	5	3	451	51.249	6.62	1.245	1.632	2.728														
													EELVAEQAIK	4	1	2xTMT6plex [N-Term; K10]	-	1.767	-	2.019190788	0	1587.935794	2	794.4709473	-0.7406148	62.98465975
													EGVSAAFAVK	2	1	2xTMT6plex [N-Term; K10]	1.245	1.173	-	1.331167817	0	1436.851336	2	718.9287109	-0.828836617	62.9344365
													DIILYVK	1	1	2xTMT6plex [N-Term; K7]	-	-	2.728	2.372713566	0	1321.849545	2	661.4284668	0.08445269	82.06540829
7657234	C11orf58	small acidic protein	3.825136612	1	1	1	183	20.32	4.72	-	0.676	-														
													LVIGDHK	1	1	2xTMT6plex [N-Term; K7]	-	0.676	-	1.094102263	0	1239.782528	3	413.9319763	-0.929788004	49.33369571
19923951	C12orf57	protein C10 isoform 1	28.57142857	2	6	2	126	13.17	5.14	0.76	0.798	0.804														
													MLQFVLPVATQIQQEVIK	3	1	2xTMT6plex [N-Term; K18]	0.921	0.781	0.869	3.047347307	0	2543.503523	3	848.5043945	-1.923498908	104.2592733
													VVLAEVIQAFSAPENAVR	3	1	1xTMT6plex [N-Term]	0.717	0.803	0.746	1.900898337	0	2142.212019	3	714.7423096	0.166179134	103.6498771
7706322	C14orf166	UPF0568 protein C14orf166	22.13114754	4	11	4	244	28.051	6.65	1.343	1.388	1.388														
													HILGFDTGDAVLNEAAQILR	2	1	1xTMT6plex [N-Term]	-	1.353	1.418	2.384108305	0	2382.297874	3	794.7717896	1.234594706	97.7779294
													INEAIVAVQAIIADPK	3	1	2xTMT6plex [N-Term; K16]	1.384	1.375	1.373	1.263090849	0	2123.284011	3	708.4338379	1.388938955	102.0764974
													LTQDAVAK	3	1	2xTMT6plex [N-Term; K8]	1.156	1.411	-	1.886185408	0	1303.798572	2	652.4037476	1.262570172	48.45291417
													NFIVWLEDQK	3	1	2xTMT6plex [N-Term; K10]	1.458	1.375	1.392	2.460051537	0	1749.993978	3	584.0016479	-2.049688393	97.63346512
21450814	C18orf25	uncharacterized protein C18orf25 isoform a	4.95049505	2	3	2	404	43.369	4.88	1.124	1.077	-														
													ASEQETAK	2	1	2xTMT6plex [N-Term; K8]	1.159	1.077	-	1.511479855	0	1321.736366	2	661.3699951	-2.76330872	26.3015886
													VEELIESEAPPK	1	1	2xTMT6plex [N-Term; K12]	1.049	-	-	1.446662664	0	1799.020252	3	600.343811	-1.874294927	75.25766885
41281603	C19orf33	immortalization up-regulated protein isoform IMUP-1	36.79245283	3	11	3	106	10.891	9.73	1.002	0.934	0.891														
													QHESIPGK	2	1	2xTMT6plex [N-Term; K8]	-	0.899	0.954	1.342530012	0	1353.78907	2	677.3999023	2.554140505	31.82501682
													QGHHSSSDSSSSSSDSDTDVK	4	1	2xTMT6plex [N-Term; K21]	1.432	1.358	1.53	2.034057856	0	2595.180681	3	865.7310791	-0.769324204	20.12262664
													SEAGAGPGPK	5	1	2xTMT6plex [N-Term; K10]	0.964	0.891	0.861	1.464492917	0	1328.757436	2	664.8815918	-1.150575876	30.45028437
13128992	C19orf43	uncharacterized protein C19orf43	13.06818182	2	3	2	176	18.408	9.44	1.075	-	1.16														
													EAPGPAGGGGGGSR	2	1	1xTMT6plex [N-Term]	1.075	-	-	0.54525876	0	1355.686507	2	678.3477783	1.308156876	22.62194471
													AHQCGDDDK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	1.16	2.340162277	0	1503.726212	3	501.9128723	-1.428821699	19.26380815
145275189	C1orf116	specifically androgen-regulated gene protein isoform 1	4.159733777	2	6	2	601	63.925	8.62	0.919	0.998	0.821														
													STTQASSHNPGEPGR	3	1	1xTMT6plex [N-Term]	0.976	0.82	0.958	1.448178887	0	1754.861905	3	585.6251221	-0.622019921	22.8996123
													EQVSQSSQPR	3	1	1xTMT6plex [N-Term]	0.867	1.575	0.571	1.370245457	0	1374.717472	2	687.8624268	0.076070631	21.88975581
8923541	C1orf123	UPF0587 protein C1orf123 isoform 1	15	2	2	2	160	18.037	5.01	1.204	1.191	-														
													DWTDYDEK	1	1	2xTMT6plex [N-Term; K8]	-	1.191	-	1.158325195	0	1529.75241	2	765.3812256	1.807254466	57.478069
													AQESVGIYEVTHQFVK	1	1	2xTMT6plex [N-Term; K16]	1.204	-	-	1.20731771	0	2293.259253	4	574.0708008	0.924533499	77.61681885
224591399	C1orf174	UPF0688 protein C1orf174	7.407407407	1	2	1	243	25.961	6.9	-	0.717	0.891														
													HSAGSGAEESNSSSTVQK	2	1	2xTMT6plex [N-Term; K18]	-	0.717	0.891	1.450608134	0	2221.109688	3	741.0407715	-0.867569434	35.46206654
4502491	C1QBP	complement component 1 Q subcomponent-binding protein, mitochondrial	10.9929078	2	8	2	282	31.343	4.84	0.801	0.897	0.898														
													AFVDFLSDEIK	4	1	2xTMT6plex [N-Term; K11]	0.875	0.902	0.916	1.731752157	0	1741.977659	2	871.4949951	2.901802069	96.84963738
													VEEQEPELTSTPNFVVEVIK	4	1	2xTMT6plex [N-Term; K20]	0.696	0.844	0.801	2.339132547	0	2745.496248	3	915.8343506	-2.822667193	95.68484822
66347875	C1R	complement C1r subcomponent precursor	9.219858156	6	9	6	705	80.148	6.29	0.363	0.497	0.488														
													LPVANPQACENWLR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.442	-	0.488	1.029622316	0	1896.995168	3	633.003418	0.28096342	77.49143887
													VLNYVDWIK	2	1	2xTMT6plex [N-Term; K9]	0.347	0.326	-	1.3994627	0	1607.956136	2	804.4816284	-0.096609639	95.15804252
													TLDEFTIIQNLQPQYQFR	2	1	1xTMT6plex [N-Term]	0.317	0.614	-	1.868722081	0	2483.31319	3	828.4436035	1.235195338	96.65994982
													YTTEIIK	1	1	2xTMT6plex [N-Term; K7]	-	0.53	-	1.4826051	0	1325.808074	2	663.4081421	0.703827127	58.16783021

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NIGEFCGK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.447	-	0.848043621	0	1382.750242	2	691.8786011	-0.22907359	59.21883448
													GGGALLGDR	1	1	1xTMT6plex [N-Term]	-	0.541	-	1.344496608	0	1044.599924	2	522.8046265	1.965086959	37.49188943
41393602	C1S	complement C1s subcomponent precursor	3.488372093	2	2	2	688	76.635	4.96	0.604	-	0.487														
													LLEVPEGR	1	1	1xTMT6plex [N-Term]	0.604	-	-	0.69489181	0	1141.67784	2	571.3423462	-0.371161787	60.13431688
													SNALDIIFQTDLTGQK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.487	1.820800304	0	2222.243269	3	741.4203491	1.45145823	96.99921489
14550407	C2	complement C2 isoform 1 preproprotein	4.920212766	3	4	3	752	83.214	7.42	0.694	-	-														
													HAFILQDTK	1	1	2xTMT6plex [N-Term; K9]	0.697	-	-	1.616082788	0	1530.904434	3	510.9723206	-1.323355027	51.6882768
													AVISPGFDVFAK	1	1	2xTMT6plex [N-Term; K12]	0.747	-	-	1.153458953	0	1709.003814	3	570.3376465	-3.175982892	92.84362017
													NQGILEFYGDDIALLK	2	1	2xTMT6plex [N-Term; K16]	0.611	-	-	2.448265314	0	2267.268755	2	1134.138428	0.363317648	97.63369385
85362737	C20orf27	UPF0687 protein C20orf27 isoform 1	7.035175879	1	1	1	199	21.631	7.37	-	1.717	-														
													LLSVVPVPEGYSVK	1	1	2xTMT6plex [N-Term; K14]	-	1.717	-	0.873913288	0	1945.177421	3	649.0647583	1.182700518	94.36633256
115298678	C3	complement C3 preproprotein	46.66265785	63	183	63	1663	187.03	6.4	1.849	1.735	1.893														
													QELSEAEQATR	5	1	1xTMT6plex [N-Term]	1.672	1.245	1.27	1.553206325	0	1490.764816	2	745.8865356	0.656246412	37.51659344
													KQELSEAEQATR	3	1	2xTMT6plex [N-Term; K1]	-	2.157	2.159	1.537382603	1	1848.022711	3	616.6775513	-2.494970099	38.97689518
													VSHSEDDCLAFK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	-	2.654	1.452826023	0	1865.94677	3	622.6537476	-0.042940249	51.08950659
													GVFVLNK	1	1	2xTMT6plex [N-Term; K7]	1.067	-	-	1.075000167	0	1234.792365	2	617.9006348	1.318473694	63.06535538
													TFISPIK	2	1	2xTMT6plex [N-Term; K7]	-	2.125	2.159	1.575628757	0	1263.807681	2	632.4070435	-0.688606305	63.22203515
													ILLQGTPVAQMTEDAVDAER	5	1	1xTMT6plex [N-Term]	1.134	1.243	1.315	2.153170347	0	2386.248541	3	796.0881348	0.549111651	93.65864397
													ILLQGTPVAQMTEDAVDAER	2	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	2.093	-	2.481	2.046079636	0	2402.243456	3	801.4168701	-3.079882857	79.99557371
													EVVADSVWVDVK	2	1	2xTMT6plex [N-Term; K12]	2.154	1.508	-	1.541796923	0	1804.025672	3	602.0105591	-4.738027868	84.91168514
													TELRPGETLNVNFLLR	3	1	1xTMT6plex [N-Term]	1.956	1.843	1.925	1.441859245	0	2101.196704	3	701.0702515	-0.239213905	86.89681478
													YYTYLIMNK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.593	1.594840288	0	1666.927872	3	556.3143921	0.450607098	87.9241677
													AYYENSPQQVFSTEFEVK	2	1	2xTMT6plex [N-Term; K18]	-	-	2.065	1.200249553	0	2624.328455	2	1312.669556	1.287974498	88.03434961
													APSTWLTAYVVK	1	1	2xTMT6plex [N-Term; K12]	-	0.969	-	1.404422164	0	1794.056578	2	897.5318604	-0.074522106	92.99642901
													EPGQDLVVLPLSITTDFIPSFR	2	1	1xTMT6plex [N-Term]	1.991	-	1.951	1.661748409	0	2673.470084	3	891.8272705	-1.057093019	106.675236
													ADIGCTPGSGK	5	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.176	1.305	2.229	2.123721361	0	1520.814299	2	760.9109497	0.2129215	42.2074083
													AAVYHHFISDGVR	3	1	1xTMT6plex [N-Term]	1.743	1.66	1.461	1.777595162	0	1700.907004	3	567.6401978	-0.566972961	44.84843404
													CAEENCFIQK	2	1	2xTMT6plex [N-Term; K10]; 2xCarbamidomethyl	2.198	-	2.103	1.607154846	0	1756.876248	3	586.296875	-0.100063963	52.28263389
													VLLDGVQNPR	3	1	1xTMT6plex [N-Term]	1.433	1.91	-	1.756044984	0	1339.789515	2	670.399353	1.428810023	56.77130725
													DAPDHQELNLDVSLQLPSR	1	1	1xTMT6plex [N-Term]	0.994	-	-	1.43910706	0	2376.235668	3	792.7481689	-2.404754772	74.87179249
													VPVAVQGEDTVQSLTQGDGVAK	5	1	2xTMT6plex [N-Term; K22]	1.607	1.768	1.594	1.948730111	0	2656.45578	3	886.1517334	-5.696829136	80.78033533
													SSLSVPYVIVPLK	3	1	2xTMT6plex [N-Term; K13]	2.298	-	2.347	1.649036646	0	1860.161043	2	930.5837402	-0.45101001	95.87655473
													SGSDEVQVGQQR	6	1	1xTMT6plex [N-Term]	1.58	1.644	1.561	2.031211376	0	1518.770964	2	759.8894043	0.37373229	38.44924233
													ENEGFTVTAEGK	5	1	2xTMT6plex [N-Term; K12]	2.123	2.158	2.023	1.836399198	0	1739.9216	3	580.645813	0.738742966	51.86075685
													RIPIEDGSGEVVLSR	2	1	1xTMT6plex [N-Term]	1.374	2.027	-	1.537955165	1	1856.043892	3	619.3518677	-1.531123628	58.71437533
													ACEPGVDYVYK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.259	2.69	2.293	1.43886137	0	1758.913679	3	586.9755249	-0.94214002	57.15550312
													FYYIYNEK	1	1	2xTMT6plex [N-Term; K8]	-	2.177	-	1.388658762	0	1597.866652	3	533.2946167	1.6553244	76.99004619
													VVLVAVDK	4	1	2xTMT6plex [N-Term; K8]	2.137	2.128	2.227	1.756649137	0	1300.860444	3	434.2915039	-0.373522965	72.77393468
													VRVELLHNPAFCSLATTK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.701	-	-	1.548400402	1	2514.42667	4	629.3613892	-1.170441521	72.86369833
													TVMVNIENPEGIPVK	6	1	2xTMT6plex [N-Term; K15]	1.864	2.053	1.823	1.648044467	0	2098.198233	2	1049.601685	-1.020055847	83.96630557
													TVMVNIENPEGIPVK	3	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M3]	1.969	1.601	-	1.592499256	0	2114.193148	3	705.4033203	1.068912508	75.92684974
													SGIPIVTSPYQIHFTK	2	1	2xTMT6plex [N-Term; K16]	1.999	1.914	-	1.372467995	0	2246.29491	3	749.4364014	-0.115518419	86.21504439
													QPVPGQQMTLK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M8]	1.023	-	-	0.719845176	0	1700.976948	3	567.6630859	-1.318717166	45.90692067
													FYHPEK	1	1	2xTMT6plex [N-Term; K6]	2.177	-	-	1.189751267	0	1278.724679	3	426.9131775	0.234601481	39.49772662
													AVLYNYR	1	1	1xTMT6plex [N-Term]	-	-	1.975	0.858287632	0	1127.64106	2	564.3249512	1.388379517	50.92249226
													DICEEQVNSLPGSITK	4	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	2.037	1.994	1.771	1.721230745	0	2248.189519	2	1124.599487	0.969321917	70.87598049
													NTMILEICTR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.281	-	-	1.341786623	0	1479.786086	2	740.397583	1.218497485	69.35196372
													IPIEDGSGEVVLSR	1	1	1xTMT6plex [N-Term]	0.823	-	-	0.524209023	0	1699.942781	2	850.4741211	-1.067731526	72.24796136
													FISLGEACK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.258	-	1.879	1.501158476	0	1482.839057	3	494.9512024	-0.002233732	74.88357523
													SNLDEDIIAEENIVSR	7	1	1xTMT6plex [N-Term]	1.818	1.941	1.941	1.767311454	0	2046.055244	3	682.6904297	0.72912132	79.47789624
													QPSSAFAAFVK	3	1	2xTMT6plex [N-Term; K11]	1.225	1.199	1.275	1.879328251	0	1610.930649	3	537.6486816	0.523052855	78.09604918
													VELLHNPAFCSLATTK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.345	1.344	-	1.552363634	0	2259.257145	3	753.7559814	-1.661534665	79.69590478
													NTLIIYLDK	5	1	2xTMT6plex [N-Term; K9]	1.585	1.591	-	1.527224302	0	1550.955801	3	517.6569214	0.264172684	88.2574183
													EYVLPSFEVIVEPTEK	6	1	2xTMT6plex [N-Term; K16]	2.09	2.179	2.316	1.683687806	0	2337.299386	3	779.7716064	0.376330025	96.74392996
													DMALTAFVLISLQEAK	3	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M2]	2.233	2.442	2.241	1.883509994	0	2224.266313	3	742.0935059	-0.156623275	102.5091727
													ASHLGLAR	1	1	1xTMT6plex [N-Term]	-	1.718	-	0.943777502	0	1053.636643	3	351.883667	-0.185778882	29.82598827
													SVQLTEK	1	1	2xTMT6plex [N-Term; K7]	-	2.011	-	2.16543293	0	1262.772023	3	421.5952759	-0.593047096	49.05046482
													VYAYYNLEESCTR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.204	1.169	1.38	1.67378974	0	1896.89993	2	948.9514771	-2.241735777	63.17396752
													IHWESASLLR	4	1	1xTMT6plex [N-Term]	1.908	1.854	1.784	1.982533813	0	1440.816064	3	480.9429016	-1.327467165	63.59235978
													AGDFLEANYMNLQR	5	1	1xTMT6plex [N-Term]	1.563	1.231	1.472	1.752799392	0	1870.931898	2	935.9694214	-0.177572771	79.68242133
													VHQYFNVELIQPGAVK	6	1	2xTMT6plex [N-Term; K16]	2.072	1.876	2.19	1.576100111	0	2300.316708	2	1150.658447	-3.082396752	79.09202083
													DFDFVPPVVR	3	1	1xTMT6plex [N-Term]	2.397	2.24	1.866	1.897464633	0	1419.783367	2	710.394165	-1.629594999	89.00860491
													VQLSNDFDEYIMAIEQTIK	7	1	2xTMT6plex [N-Term; K19]	2.414	2.226	2.113	1.740002871	0	2715.431539	3	905.8150635	-0.33227511	105.1863062
													VQLSNDFDEYIMAIEQTIK	6	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M12]	2.173	2.108	2.141	2.794402838	0	2731.426454	3	911.1477051	0.771587451	104.4951422
													HQQTVTIPPK	4	1	2xTMT6plex [N-Term; K10]	1.341	1.437	1.395	1.239566565	0	1606.968097	3	536.3275146	-0.066270567	40.65803631
													LPYSVVR	1	1	1xTMT6plex [N-Term]	-	1.301	-	1.35205698	0	1062.650897	2	531.8293457	0.487673093	59.44221698
													DSCVGSLVVK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.46	1.745	-	1.261118054	0	1521.871086	2	761.4381714	-1.326943249	60.05208805
													ISLPESLK	1	1	2xTMT6plex [N-Term; K8]	-	2.241	-	0.962161064	0	1344.850274	3	448.9548035	-0.309640127	75.88695651
													SEFPESWLWNVEDLK	4	1	2xTMT6plex [N-Term; K15]	2.016	2.347	2.273	2.118488312	0	2337.21672	2	1169.112427	0.366831889	98.9044038
													RQGALELIK	1	1	2xTMT6plex [N-Term; K9]	-	-	3.007	1.662300229	1	1485.951719	3	495.9884644	-0.591596337	52.78536583
													TGLQEVEVK	1	1	2xTMT6plex [N-Term; K9]	-	2.141	-	1.02171886	0	1460.872465	2	730.9408569	1.349712062	53.75747538
													TIYTPGSTVLYR	1	1	1xTMT6plex [N-Term]	-	2.111	-	1.241516232	0	1599.894374	2	800.451416	0.738424529	61.86533632

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VEGTAFVIFGIQDGEQR	2	1	1xTMT6plex [N-Term]	-	0.718	0.762	1.821052313	0	2095.102135	3	699.0397339	1.199812704	93.92176907
													QDSLSSQNQLGVLPLSWDIPELVNMGQWK	2	1	2xTMT6plex [N-Term; K29]; 1xOxidation [M25]	-	-	2.489	1.555705309	0	3756.967117	4	939.9951782	-2.191600064	103.5582801
													DTWVEHWPEEDECQDEENQK	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	-	0.904	-	1.396741867	0	3061.35218	3	1021.121948	-0.290101689	63.96886374
													GLEVTITAR	1	1	1xTMT6plex [N-Term]	-	0.786	-	1.515871406	0	1188.714953	2	594.8608398	-0.462846453	56.15416917
													LESEETMVLEAHDAQGDVPVTVTVHDFPGK	1	1	2xTMT6plex [N-Term; K30]	-	-	1.656	2.245871782	0	3708.883112	4	927.9738159	-2.609450833	87.12178334
													LVLSSEK	1	1	2xTMT6plex [N-Term; K7]	2.361	-	-	1.27668488	0	1233.78186	2	617.3943481	-0.356652138	55.90852851
256600247	C6orf163	uncharacterized protein C6orf163	3.343465046	1	1	1	329	38.529	6.96	-	2.501	-														
													DILDIGANILK	1	1	2xTMT6plex [N-Term; K11]	-	2.501	-	1.610467434	0	1643.014379	3	548.3441162	2.079563549	97.73078705
157388941	C9orf40	uncharacterized protein C9orf40	6.701030928	1	1	1	194	21.05	5.01	1.615	-	-														
													DSGDNSAPSGQER	1	1	1xTMT6plex [N-Term]	1.615	-	-	1.008521795	0	1548.708758	2	774.8577271	-0.374827374	19.08037487
110815802	C9orf64	UPF0553 protein C9orf64 isoform 1	2.346041056	1	1	1	341	39.004	5.88	-	-	0.59														
													ESENSAQK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.59	1.44228375	0	1350.72653	2	675.8658447	-1.567095062	22.43167168
4502515	CA12	carbonic anhydrase 12 isoform 1 precursor	13.27683616	3	4	3	354	39.426	7.23	0.643	0.836	0.716														
													WTYFGPDGENSWSK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.805	1.440066695	0	2132.048926	2	1066.530029	1.808557816	84.97361114
													GQEAFVPGFNIEELLPER	2	1	1xTMT6plex [N-Term]	0.643	-	0.639	1.363004446	0	2274.196763	3	758.7366943	-0.542394663	98.98923392
													LNLPSDMHIQGLQSR	1	1	1xTMT6plex [N-Term]	-	0.836	-	1.103292465	0	1938.042846	3	646.6876831	2.915465166	71.26023165
4557395	CA2	carbonic anhydrase 2 isoform 1	10.76923077	2	12	2	260	29.228	7.4	2.323	2.308	2.4														
													QSPVDIDTHTAK	2	1	2xTMT6plex [N-Term; K12]	-	2.669	2.6	1.482255459	0	1769.979784	3	590.6655884	1.371736977	45.3284939
													AVQQPDGLAVLGIFLK	10	1	2xTMT6plex [N-Term; K16]	2.323	2.123	2.231	1.641421437	0	2127.294182	2	1064.149414	-1.236596716	103.4489404
7706481	CAB39	calcium-binding protein 39	30.79178886	10	16	10	341	39.844	6.89	1.176	1.242	1.142														
													VFVANPNK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.044	1.361515164	0	1346.819642	2	673.9137573	0.44240403	53.34916175
													LIEFLSK	2	1	2xTMT6plex [N-Term; K7]	1.148	-	1.14	1.554560661	0	1307.833895	2	654.4208374	0.384532538	92.61169587
													DVAQIFNNILR	2	1	1xTMT6plex [N-Term]	1.004	-	1.002	1.249007106	0	1531.879393	2	766.4436646	0.430707251	96.30736798
													TQPILDILLK	2	1	2xTMT6plex [N-Term; K10]	1.238	1.291	-	1.426885247	0	1612.044951	3	538.0203857	1.025688869	98.84253532
													TPTVEYICTQQNILFMLLK	2	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.799	1.051	-	1.239609599	0	2770.528751	3	924.1820068	0.980248919	105.4125263
													FQNDRTEDEQFNDEK	1	1	2xTMT6plex [N-Term; K15]	-	1.323	-	0.982847154	1	2373.135903	3	791.7171631	0.435338664	45.90771787
													NIQFEAFHVFK	2	1	2xTMT6plex [N-Term; K11]	-	1.093	1.182	1.498442769	0	1838.036511	3	613.3499146	-0.718515464	81.68580876
													EILYGTNEK	2	1	2xTMT6plex [N-Term; K9]	-	1.185	1.144	2.244432688	0	1524.86738	2	762.9370117	-0.415296772	56.90816101
													HEPLAK	1	1	2xTMT6plex [N-Term; K6]	-	1.262	-	1.144735813	0	1152.714115	3	384.9094543	-0.264404579	40.66971281
													LLGELILDR	2	1	1xTMT6plex [N-Term]	-	-	1.377	1.027936101	0	1270.793204	2	635.9013672	1.773848801	95.22533286
7656952	CACYBP	calcyclin-binding protein isoform 1	12.28070175	3	5	3	228	26.194	8.25	1.993	1.246	2.048														
													WDYLTQVEK	3	1	2xTMT6plex [N-Term; K9]	1.993	1.443	-	1.363934875	0	1639.909579	2	820.4580688	-0.437929442	78.58170077
													IYEDGDDDMK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M9]	-	-	2.048	0.959361136	0	1674.793289	2	837.9001465	-0.162635743	44.90643499
													TDTVLILCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.154	-	0.591380417	0	1319.755438	2	660.3808594	-0.754692855	67.43228031
18105007	CAD	CAD protein isoform 1	2.696629213	5	7	5	2225	242.829	6.46	1.79	1.289	1.628														
													LALGIPLPELR	2	1	1xTMT6plex [N-Term]	1.693	-	1.905	1.474235654	0	1420.908902	2	710.9578857	-0.286517752	97.66431521
													LAADFSVPLIIDIK	1	1	2xTMT6plex [N-Term; K14]	1.971	-	-	1.056507349	0	1973.208721	3	658.4072266	-0.808212777	103.5958814
													TLGVDLVALATR	1	1	1xTMT6plex [N-Term]	-	1.621	-	2.11082387	0	1457.888895	2	729.4456787	-3.30199931	93.12620059
													LFVEALGQIGPAPPLK	1	1	2xTMT6plex [N-Term; K16]	-	-	2.091	1.655385256	0	2108.288368	3	703.4331055	-1.710071451	99.42202518
													SSALASK	2	1	2xTMT6plex [N-Term; K7]	-	1.259	1.296	1.000442505	0	1121.693045	2	561.350708	0.975895884	35.50684382
666335615	CADM1	cell adhesion molecule 1 isoform A precursor	1.910828025	1	1	1	471	51.501	4.87	-	0.709	-														
													CEASNIVGK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	0.709	-	0.838887393	0	1435.797921	2	718.4024658	-0.185032567	53.43670656
4826657	CALD1	caldesmon isoform 2	20.26022305	10	22	10	538	62.626	6.37	0.897	0.955	0.932														
													NDDDEEEAAR	5	1	1xTMT6plex [N-Term]	0.8	0.686	0.498	1.670618892	0	1392.607647	2	696.8070068	-0.653427494	28.95184358
													NDDDEEEAARER	1	1	1xTMT6plex [N-Term]	-	0.967	-	1.560816646	1	1677.751351	3	559.9219971	0.051837799	30.86117571
													EAEGAPQVEAGK	4	1	2xTMT6plex [N-Term; K12]	0.813	0.826	0.874	1.86616075	0	1643.900471	2	822.4535522	-0.391244983	49.9443039
													QQEAALELEELK	2	1	2xTMT6plex [N-Term; K12]	1.013	-	1.016	1.177388549	0	1859.052614	3	620.3554688	-0.409601102	73.87513507
													TTTTNTQVEGDDEAAFLER	2	1	1xTMT6plex [N-Term]	0.901	1.01	-	1.03085804	0	2327.120029	2	1164.061768	-1.620193073	59.17668378
													MQNDTAENETTEK	2	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M1]	-	-	0.75	1.047373056	0	1984.953371	3	662.3217163	-1.398176027	31.81283976
													VLEEEEQR	2	1	1xTMT6plex [N-Term]	-	1.303	1.668	1.609562755	0	1260.663312	2	630.8352051	-0.141198485	36.61035762
													RGETESEEFEK	2	1	2xTMT6plex [N-Term; K11]	-	1.25	1.131	1.504428029	1	1798.922329	3	600.3125	0.343627954	34.97337643
													HTENTFSRPGGR	1	1	1xTMT6plex [N-Term]	-	0.79	-	1.965147972	0	1587.818918	3	529.9440308	-0.868244375	22.15342518
													RGSIGENQIK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.907	1.790817022	1	1559.926961	3	520.6480103	1.613454849	33.65481145
779176942	CALM2	calmodulin isoform 1	32.48730964	6	27	6	197	22.173	4.63	1.014	0.987	0.964														
													DGDGTITTK	7	1	2xTMT6plex [N-Term; K9]	1.194	1.181	1.187	1.464712143	0	1365.762581	2	683.3840942	-1.221913282	36.69817335
													EAFSLFDK	4	1	2xTMT6plex [N-Term; K8]	0.862	0.802	0.815	1.381458879	0	1414.798238	2	707.8997803	-4.208418533	80.4319076
													DTDSEEEIREAFR	1	1	1xTMT6plex [N-Term]	-	0.788	-	0.734747767	1	1825.876551	3	609.2974243	0.639818293	50.91375683
													EADIDGDGQVNYEEFVQMMTAK	2	1	2xTMT6plex [N-Term; K22]	1.153	1.308	-	1.649576187	0	2948.405795	4	737.8557739	-1.536090074	98.16598673
													EADIDGDGQVNYEEFVQMMTAK	5	1	2xTMT6plex [N-Term; K22]; 1xOxidation [M]	0.83	0.99	0.854	1.86475265	0	2964.40071	3	988.8050537	-0.034393862	93.42331902
													EADIDGDGQVNYEEFVQMMTAK	3	1	2xTMT6plex [N-Term; K22]; 2xOxidation [M18; M19]	0.698	0.712	0.672	1.754521251	0	2980.395625	3	994.1363525	-0.375947677	75.59042119
													DGNGYISAAELR	3	1	1xTMT6plex [N-Term]	1.19	1.11	1.202	1.751647592	0	1494.774987	2	747.8908081	-0.433221768	52.58971902
													DTDSEEEIR	2	1	1xTMT6plex [N-Term]	1.018	1.039	-	0.853206754	0	1322.62732	2	661.8173218	0.035576679	38.04084437
4757900	CALR	calreticulin precursor	62.82973621	22	76	22	417	48.112	4.44	0.54	0.602	0.528														
													VHVIFNYK	3	1	2xTMT6plex [N-Term; K8]	0.628	-	0.614	1.979372621	0	1477.893141	3	493.3023682	-0.399364336	59.09391342
													FYALSASFEPFSNK	11	1	2xTMT6plex [N-Term; K14]	0.39	0.386	0.399	1.849779844	0	2066.099899	2	1033.554443	0.828168449	95.31153067
													DKQDEEQR	1	1	2xTMT6plex [N-Term; K2]	-	1.201	-	1.292947292	1	1505.796006	3	502.6035156	-0.008231527	20.01462148
													DPDASKPEDWDER	2	1	2xTMT6plex [N-Term; K6]	-	0.254	0.46	1.008862257	0	2017.98672	2	1009.499756	2.73313927	46.47798696
													FYGDEEK	2	1	2xTMT6plex [N-Term; K7]	0.663	-	-	1.17296946	0	1345.704003	3	449.2393799	-0.309772106	47.25883427
													EEDEEEDVPGQAK	1	1	2xTMT6plex [N-Term; K13]	-	0.563	-	0.573581457	0	1932.943852	2	966.9749146	-0.672181158	41.74693239
													DEDEEDEEDK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.615	1.139787793	0	1710.759405	2	855.8847656	1.665646257	29.53629502
													KEEEEAEDK	1	1	3xTMT6plex [N-Term; K1; K9]	-	0.752	-	1.090416074	1	1793.973585	3	598.6627197	0.011683387	31.33371054
													QIDNPDYK	5	1	2xTMT6plex [N-Term; K8]	-	0.495	0.487	1.392865419	0	1450.794215	2	725.9006958	-0.069071434	43.5982248

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DEDEEDEEDKEEDEEEDVPGQAK	1	1	3xTMT6plex [N-Term; K10; K23]	0.935	-	-	0.972883224	1	3395.522484	3	1132.511597	-0.661692258	46.88852246
													GQTLVVQFTVK	3	1	2xTMT6plex [N-Term; K11]	-	0.599	-	1.809915066	0	1678.030363	3	560.0153198	0.621658987	82.29794686
													EEEEAEDK	4	1	2xTMT6plex [N-Term; K8]	0.51	0.563	0.849	1.798400402	0	1436.71569	3	479.5772705	1.091561433	29.21361426
													IKDPDASKPEDWDER	1	1	3xTMT6plex [N-Term; K2; K8]	-	-	0.859	0.839371324	1	2488.328679	3	830.1147461	0.404480831	53.21080116
													IDNSQVESGSLEDDWDFLPPK	9	1	2xTMT6plex [N-Term; K21]	0.55	0.602	0.561	2.301327705	0	2849.42454	2	1425.208984	-4.859774248	94.41434031
													GLQTSQDAR	3	1	1xTMT6plex [N-Term]	-	0.522	0.473	0.795902252	0	1204.64833	2	602.8282471	0.736564027	24.13178884
													HEQNIDCGGGYVK	8	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.644	0.626	0.61	2.508667469	0	1934.979467	3	645.6643066	-0.568465012	36.93787143
													IDDPTDSKPEDWDKPEHIPDPDAK	3	1	4xTMT6plex [N-Term; K8; K14; K24]	0.771	0.732	0.755	1.900583267	0	3676.915237	4	919.9822998	-2.13973963	64.31432388
													EQFLDGDGWTSR	5	1	1xTMT6plex [N-Term]	0.679	0.773	0.66	2.144137144	0	1639.791365	3	547.2695923	1.742999462	65.0494228
													DDEFTHLYTLIVRPDNTYEVK	7	1	2xTMT6plex [N-Term; K21]	0.431	0.459	0.443	1.884735703	0	3026.587523	4	757.4014282	-1.202558772	91.52059621
													KPEDWDEEMDGEWEPPVIQNPEYK	1	1	3xTMT6plex [N-Term; K1; K24]; 1xOxidation [M9]	-	0.598	-	1.003516793	0	3663.776806	3	1221.928345	-1.7262488	78.90998039
													EDDEDKDEDEEDEEDK	1	1	3xTMT6plex [N-Term; K6; K16]	-	0.782	-	1.305894852	1	2671.183315	3	891.0639648	-2.236334256	35.61274132
													SGTIFDNFLITNDEAYAEEFGNETWGVTK	3	1	2xTMT6plex [N-Term; K29]	-	0.741	0.489	1.382151127	0	3726.821558	4	932.4609375	0.097289338	101.7651081
314122177	CALU	calumenin isoform c precursor	43.34365325	11	33	11	323	38.027	4.63	0.562	0.567	0.577														
													DGFVTVDELK	2	1	2xTMT6plex [N-Term; K10]	0.625	-	0.594	1.449648857	0	1580.893595	2	790.951416	1.24018546	73.2778849
													GHDLNEDGLVSWEEYK	2	1	2xTMT6plex [N-Term; K16]	0.647	-	0.854	1.981637597	0	2349.176311	3	783.7294922	-1.016482879	71.6876692
													TEREQFVEFR	3	1	1xTMT6plex [N-Term]	0.519	0.581	0.508	1.47537744	1	1569.822272	3	523.9453125	-0.565325143	45.7505049
													HLVYESDQNK	6	1	2xTMT6plex [N-Term; K10]	0.504	0.526	0.513	1.300583601	0	1690.916455	3	564.3103638	0.048842504	45.82191681
													DWILPSDYDHAEAEAR	2	1	1xTMT6plex [N-Term]	0.816	-	0.775	1.3279531	0	2117.013714	3	706.3441772	2.014586988	66.36876636
													YDLFVGSQATDFGEALVR	6	1	1xTMT6plex [N-Term]	0.49	0.542	0.464	1.653512478	0	2217.138914	3	739.7156982	-2.874237332	95.60800283
													DIVVQETMEDIDK	3	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M8]	0.764	0.681	0.72	1.225894928	0	2009.051294	2	1005.030884	1.59120284	62.90026608
													EEFTAFLHPEEYDYMK	2	1	2xTMT6plex [N-Term; K16]	-	0.525	0.358	1.476605296	0	2507.220484	3	836.4125977	1.099029291	89.84204977
													EEFTAFLHPEEYDYMK	3	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M15]	0.748	-	0.712	1.450558782	0	2523.215399	3	841.7423096	-1.198371357	85.3318131
													DGDLIATK	1	1	2xTMT6plex [N-Term; K8]	0.541	-	-	1.248892188	0	1290.766938	2	645.887085	-0.034528406	51.77998484
													DRVHHEPQLSDK	2	1	2xTMT6plex [N-Term; K12]	0.561	0.61	-	0.876635909	1	1919.049929	4	480.5173645	-1.199042376	26.91716835
													TFDQLTPEESK	1	1	2xTMT6plex [N-Term; K11]	-	0.577	-	0.711142838	0	1752.942001	2	876.9754028	0.871445867	57.74425618
27437015	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2 isoform 1	1.870748299	1	1	1	588	64.705	6.68	-	-	0.663														
													IADFGVSNEFK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.663	0.792798042	0	1684.931043	2	842.968689	-0.558847982	74.54497837
21361794	CAND1	cullin-associated NEDD8-dissociated protein 1	19.26829268	19	49	19	1230	136.289	5.78	1.489	1.755	1.677														
													SSVVTAVK	3	1	2xTMT6plex [N-Term; K8]	1.627	1.702	1.653	1.29583478	0	1248.792759	2	624.8999634	-0.086957733	47.53490112
													IDLRPVLGEGVPILASFLR	2	1	1xTMT6plex [N-Term]	-	2.003	1.967	1.576428294	0	2294.379753	3	765.4647827	0.018054784	104.6501725
													ISGSILNELIGLVR	5	1	1xTMT6plex [N-Term]	2.019	2.213	2.138	1.788458705	0	1713.047186	3	571.6870728	-0.304234633	105.0020849
													NVVAECLGK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.79	-	1.192170858	0	1447.834306	2	724.4209595	0.232150399	55.3846578
													LGTLSALDILIK	5	1	2xTMT6plex [N-Term; K12]	1.691	1.839	1.992	1.609080911	0	1715.108279	2	858.0579834	0.239743974	101.9650973
													AADIDQEVK	2	1	2xTMT6plex [N-Term; K9]	1.489	-	1.787	1.164776921	0	1446.82043	2	723.9139404	0.120491369	47.84662901
													CLGPLVSK	3	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.568	1.693	1.721	1.279955506	0	1331.812114	2	666.4090576	-0.957849543	62.01483179
													SVILEAFSSPSEEVK	3	1	2xTMT6plex [N-Term; K15]	0.849	1.357	1	1.319429517	0	2080.157808	3	694.0591431	2.436463811	88.26663209
													DISSIGLK	1	1	2xTMT6plex [N-Term; K8]	1.249	-	-	1.627771735	0	1290.803323	2	645.9050903	-0.324872062	66.06297821
													AVAALLTIPEAEK	2	1	2xTMT6plex [N-Term; K13]	1.343	-	1.523	1.0493927	0	1784.093357	2	892.5463867	-4.405791025	93.31172513
													SAASYALGSISVGNLPEYLPFVLQEITSQPK	2	1	2xTMT6plex [N-Term; K31]	1.565	-	1.225	1.190623999	0	3738.040599	4	935.2655029	-0.111569481	109.9073674
													DHYDIK	1	1	2xTMT6plex [N-Term; K6]	-	1.725	-	1.554540992	0	1248.698858	3	416.9045715	0.242636251	34.81593168
													LTLIDPETLLPR	6	1	1xTMT6plex [N-Term]	1.853	1.958	1.922	2.085715294	0	1609.972624	3	537.3302612	2.239871257	99.10781958
													ITSEALLVTQQLVK	4	1	2xTMT6plex [N-Term; K14]	1.667	-	1.478	1.576492906	0	2001.235999	2	1001.122131	0.493467694	95.27242074
													ALTLIAGSPLK	2	1	2xTMT6plex [N-Term; K11]	-	1.63	-	1.160394669	0	1542.003086	3	514.6732788	1.425052778	89.36747298
													ADVFHAYLSLLK	2	1	2xTMT6plex [N-Term; K12]	-	1.761	1.749	1.077386379	0	1835.083127	3	612.3667603	1.417179244	97.30889862
													DLLDTVLPHLYNETK	2	1	2xTMT6plex [N-Term; K15]	-	1.797	1.787	1.674773932	0	2229.253105	3	743.7559204	0.046172626	94.74499195
													HEMLPEFYK	2	1	2xTMT6plex [N-Term; K9]	-	1.72	1.617	1.769604206	0	1651.891821	3	551.3016968	-0.777083555	63.86971969
													LSTLCPSAVLQR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.655	1.302326798	0	1573.893328	3	525.3033447	1.367595662	74.17978267
229577444	CANT1	soluble calcium-activated nucleotidase 1	3.990024938	1	2	1	401	44.812	6.09	1.843	-	1.966														
													AVPWVILSDGDGTVEK	2	1	2xTMT6plex [N-Term; K16]	1.843	-	1.966	1.265694857	0	2144.200341	3	715.4050293	0.090197087	94.22386494
10716563	CANX	calnexin precursor	9.797297297	7	17	7	592	67.526	4.6	0.479	0.567	0.658														
													RPDADLK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.937	1.018031836	0	1272.767607	3	424.9274902	0.244226144	33.35405301
													SDAEEDGGTVSQEEEDRKPK	7	1	3xTMT6plex [N-Term; K18; K20]	0.503	0.531	0.588	1.516735196	1	2893.462999	4	724.1205444	-0.916405575	35.58494026
													DKGDEEEEGEEK	1	1	3xTMT6plex [N-Term; K2; K12]	-	-	0.66	1.47819519	1	2081.048935	3	694.3551636	0.962453416	30.98646391
													GDEEEEGEEK	3	1	2xTMT6plex [N-Term; K10]	0.354	0.401	0.499	2.202354908	0	1608.764097	2	804.8865356	1.055480456	28.67980478
													TDAPQPDVK	2	1	2xTMT6plex [N-Term; K9]	-	0.498	0.42	1.645403743	0	1428.809865	2	714.9089966	0.5958064	40.06455449
													AEEDEILNR	2	1	1xTMT6plex [N-Term]	-	0.512	0.443	1.546098828	0	1317.684775	2	659.3469849	1.455489658	45.54199629
													KTDAPQPDVK	1	1	3xTMT6plex [N-Term; K1; K10]	-	0.892	-	0.852703929	1	1786.06776	3	596.0265503	-1.490750325	40.83428127
157649073	CAP1	adenylyl cyclase-associated protein 1	52.84210526	19	59	19	475	51.641	8.02	1.576	1.669	1.855														
													GYADSPSK	4	1	2xTMT6plex [N-Term; K8]	1.616	1.787	1.589	1.540679455	0	1282.704338	2	641.8561401	0.519233792	32.92694862
													SSEMNVLIPTEGGDFNEFPVPEQFK	2	1	2xTMT6plex [N-Term; K25]	-	2.023	2.126	1.087980509	0	3269.644051	4	818.1687012	2.729244334	97.37167895
													SSEMNVLIPTEGGDFNEFPVPEQFK	2	1	2xTMT6plex [N-Term; K25]; 1xOxidation [M4]	1.538	1.512	-	1.445237517	0	3285.638966	3	1095.881592	-2.66128125	95.27882139
													INSITVDNCK	6	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.958	1.846	1.916	2.092652559	0	1621.898363	2	811.4514771	-1.655731641	54.12303755
													VENQENVSNLVIEDTELK	3	1	2xTMT6plex [N-Term; K18]	1.11	1.204	-	1.267666936	0	2531.360483	3	844.4586182	0.323246015	83.60578505
													EIGGDVQK	1	1	2xTMT6plex [N-Term; K8]	-	2.109	-	1.482967019	0	1303.762187	2	652.3849487	0.332883513	43.97402004
													CVNTTLQIK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.518	1.904	-	1.321659207	0	1534.90272	2	767.9556885	0.899244693	63.64009291
													TDGCHAYLSK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.783	-	1.359397888	0	1609.840848	3	537.2855835	0.838075567	36.348522
													EPAVLELEGK	3	1	2xTMT6plex [N-Term; K10]	0.964	1.391	-	2.832833052	0	1542.91433	3	514.9764404	0.283728691	71.48753004
													LSDLLAPISEQIK	8	1	2xTMT6plex [N-Term; K13]	1.947	1.923	1.923	2.036123991	0	1885.141036	2	943.0733643	-0.840082702	97.63174608
													AGAAPYVQAFDSLLAGPVAEYLK	6	1	2xTMT6plex [N-Term; K23]	1.429	1.553	1.62	1.626024365	0	2809.554038	3	937.1896973	0.178212224	105.9727534
													ALLVTASQCQQPAENK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.578	1.786	1.892	2.423883677	0	2216.210923	3	739.40802	-0.639001185	59.11376967
													KEPAVLELEGK	5	1	3xTMT6plex [N-Term; K1; K11]	1.697	1.743	1.793	2.529816866	1	1900.172225	2	950.5859985	-3.949526042	63.40314739

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													HVSDDMK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.762	1.855054855	0	1289.692393	3	430.5690918	0.255394718	34.53703701
													HVSDDMK	3	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]	1.501	1.311	1.666	1.486087799	0	1305.687308	3	435.9006958	0.173389404	23.02593099
													ELSGLPSGPSAGSGPPPPPPGPPPPPVSTSSGSDESASR	1	1	1xTMT6plex [N-Term]	-	1.159	-	1.193832994	0	3819.887456	4	955.725769	-1.625636409	74.42696916
													EFHTTGLAWSK	2	1	2xTMT6plex [N-Term; K11]	-	0.298	0.953	1.522354245	0	1734.957926	2	867.9841309	1.762987277	59.2739185
													NSLDCEIVSAK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	2.521	2.416	1.039298654	0	1693.919492	2	847.4620361	-1.591920034	58.72787135
													LGLVFDDVVGIVEIINSK	1	1	2xTMT6plex [N-Term; K18]	-	-	1.088	1.234782338	0	2388.415419	3	796.8097534	-0.298221192	111.6445035
													HVDWVK	1	1	2xTMT6plex [N-Term; K6]	-	-	2.088	1.775794625	0	1241.740664	3	414.5847168	-0.858890593	46.50736404
													VPTISINK	1	1	2xTMT6plex [N-Term; K8]	-	1.502	-	1.119746447	0	1329.850608	3	443.955719	1.500764379	71.64202335
63252913	CAPG	macrophage-capping protein isoform 1	21.83908046	7	28	7	348	38.474	6.19	1.104	1.022	1.132														
													ANAQAAALYK	4	1	2xTMT6plex [N-Term; K10]	1.027	1.18	1.122	1.402876139	0	1478.873134	2	739.9404907	0.385831144	48.40213652
													VSDATGQMNLTK	3	1	2xTMT6plex [N-Term; K12]	1.191	1.28	1.183	1.96370995	0	1722.946041	2	861.9750977	-1.812196915	55.51927917
													VSDATGQMNLTK	3	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M8]	1.037	1.059	-	1.09132719	0	1738.940956	2	869.9780273	4.49817314	45.1151352
													EGNPEEDLTADK	5	1	2xTMT6plex [N-Term; K12]	1.271	1.285	1.269	1.593614578	0	1775.906344	2	888.4564209	-0.438639756	49.3679298
													QAALQVAEGFISR	4	1	1xTMT6plex [N-Term]	1.286	0.712	1.039	1.476852655	0	1618.911421	2	809.9599609	0.756196407	86.37899401
													YQEGGVESAFHK	3	1	2xTMT6plex [N-Term; K12]	1.008	1.012	1.048	2.417400122	0	1809.953569	3	603.9893188	-0.091674745	48.83969441
													TSTGAPAAIK	4	1	2xTMT6plex [N-Term; K10]	0.989	0.966	0.975	2.506337404	0	1374.835686	2	687.9216309	0.217472352	44.05147049
													DLALAIR	2	1	1xTMT6plex [N-Term]	0.858	0.775	-	0.986339629	0	1000.635246	2	500.8210754	-0.372004779	62.32345745
12408656	CAPN1	calpain-1 catalytic subunit	4.341736695	3	3	3	714	81.838	5.67	1.457	1.478	1.076														
													LEICNLTPDALK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.457	-	-	0.832395673	0	1845.055592	3	615.6901855	0.223110147	89.64352399
													DLGPNSSK	1	1	2xTMT6plex [N-Term; K8]	-	1.478	-	1.311612606	0	1275.730887	2	638.3692017	0.188112019	45.84127159
													APSDLYQIILK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.076	1.634041071	0	1719.045679	3	573.6866455	-0.171884067	94.81184192
157389005	CAPN2	calpain-2 catalytic subunit isoform 1	6.857142857	4	7	4	700	79.959	4.98	1.351	1.109	1.174														
													DREAAEGLGSHER	4	1	1xTMT6plex [N-Term]	1.351	0.745	1.174	2.459894896	1	1655.829876	3	552.6147461	-0.115433809	22.23100154
													SDGFSIETCK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.453	-	1.457237601	0	1601.824529	2	801.4180908	2.731729066	55.05464333
													LEICNLTPDTLTSDTYK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.387	-	0.775734723	0	2442.283813	3	814.7644653	-2.035080395	89.0196586
													ALEEAGFK	1	1	2xTMT6plex [N-Term; K8]	-	1.214	-	1.709599853	0	1322.772023	2	661.8903198	1.012841528	58.41707677
701461513	CAPNS1	calpain small subunit 1 isoform 1	18.28358209	3	6	3	268	28.298	5.2	1.438	1.451	1.46														
													ILGGVISAISEAAAQYNPEPPPPR	1	1	1xTMT6plex [N-Term]	1.442	-	-	1.903833151	0	2676.455831	4	669.8685303	-1.322673145	102.8585697
													THYSNIEANESEEVR	3	1	1xTMT6plex [N-Term]	1.507	1.451	1.603	2.572788239	0	2006.961678	3	669.6583252	-0.62565423	33.80698939
													TDGFGIDTCR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.293	-	1.275	0.779513597	0	1370.657181	2	685.8320313	-0.287985943	53.12723869
42558250	CAPRIN1	caprin-1 isoform 1	5.782792666	3	3	3	709	78.318	5.25	1.062	1.493	-														
													QGLNGVPILSEEELSLDEFYK	1	1	2xTMT6plex [N-Term; K22]	-	1.493	-	1.514893651	0	2951.601776	3	984.5374756	-1.322076108	104.1922117
													TVLELQYVLDK	1	1	2xTMT6plex [N-Term; K11]	1.054	-	-	1.601995826	0	1779.066808	3	593.6911621	-4.426473384	95.34974358
													QILGVIDK	1	1	2xTMT6plex [N-Term; K8]	1.072	-	-	1.476043344	0	1343.866258	2	672.4354858	-1.907139418	75.65241119
5453597	CAPZA1	F-actin-capping protein subunit alpha-1	51.74825175	9	29	8	286	32.902	5.69	1.143	1.354	1.323														
													ESCDSALR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.081	1.898	-	1.127094507	0	1166.567303	2	583.7876587	0.632379127	23.62998237
													IEGYEDQVLITEHGDLGNSR	2	1	1xTMT6plex [N-Term]	1.502	1.345	-	1.31153059	0	2474.236062	3	825.4157715	-1.333949871	66.03797194
													FTITPPTAQVVGVLK	5	1	2xTMT6plex [N-Term; K15]	1.212	1.277	1.286	1.324365139	0	2029.246169	3	677.0872192	0.460828685	95.36932798
													DVQDSLTVSNEAQTAK	6	1	2xTMT6plex [N-Term; K16]	1.151	1.136	1.239	2.143050909	0	2164.149762	2	1082.577881	-0.590079888	57.88044747
													FITHAPPGEFNEVFNDVR	3	1	1xTMT6plex [N-Term]	1.021	1.255	-	1.330665827	0	2318.176697	3	773.3959351	-1.485919613	80.74057421
													EASDPQPEEADGGLK	7	1	2xTMT6plex [N-Term; K15]	1.141	1.255	1.419	2.423324108	0	2001.017685	3	667.6779175	0.756505761	47.34667195
													EGAAHAFAQYNMDQFTPVK	1	1	2xTMT6plex [N-Term; K19]	1.227	-	-	1.381461501	0	2583.306614	3	861.7717285	-2.315463868	71.62544026
													TIDGQQTIIACIESHQFQPK	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	1.427	-	-	0.997288227	0	2772.47547	3	924.8305054	0.538368436	79.03772768
													IQVHYYEDGNVQLVSHK	1	2	2xTMT6plex [N-Term; K17]	1.198	-	-	0.681292474	0	2487.339629	4	622.5903931	0.045766016	57.44486806
5453599	CAPZA2	F-actin-capping protein subunit alpha-2	17.48251748	3	8	2	286	32.929	5.85	1.157	1.099	1.215														
													FTITPSTTQVVGILK	4	1	2xTMT6plex [N-Term; K15]	1.174	1.181	1.287	1.856323957	0	2063.251649	3	688.4229736	1.317851092	94.74939391
													FIIHAPPGEFNEVFNDVR	3	1	1xTMT6plex [N-Term]	1.108	0.976	1.111	0.957934558	0	2330.213082	3	777.4085083	-0.905675825	90.94767521
													IQVHYYEDGNVQLVSHK	1	2	2xTMT6plex [N-Term; K17]	1.198	-	-	0.681292474	0	2487.339629	4	622.5903931	0.045766016	57.44486806
531990816	CAPZB	F-actin-capping protein subunit beta isoform 4	29.56810631	7	22	7	301	33.76	6.43	1.407	1.501	1.538														
													SGSGTMNLGGSLTR	1	1	1xTMT6plex [N-Term]	-	-	1.164	1.439397693	0	1566.810721	2	783.9089355	-0.080562539	48.27247074
													GCWDSIHVVEVQEK	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.273	1.286	-	1.392361999	0	2144.121045	2	1072.564453	0.272475288	65.97826775
													DETVSDCSPHIANIGR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.312	1.191	1.179	2.978069067	0	1999.970469	3	667.3279419	-0.598242036	47.32534781
													YDPPLEDGAMPSAR	1	1	1xTMT6plex [N-Term]	-	-	1.334	0.824014366	0	1747.852251	2	874.4294434	-0.36674224	58.52953383
													LEVEANNAFDQYR	6	1	1xTMT6plex [N-Term]	2.062	2.049	1.996	1.523210168	0	1797.896893	2	899.4518433	-0.268739862	66.28440368
													SVQTFADK	1	1	2xTMT6plex [N-Term; K8]	1.214	-	-	1.45831883	0	1353.777837	2	677.392334	-0.329116963	49.72065948
													STLNEIYFGK	4	1	2xTMT6plex [N-Term; K10]	1.346	1.393	-	1.627284884	0	1629.925229	2	815.4662476	-0.006627796	74.74009226
16554564	CARD6	caspase recruitment domain-containing protein 6	1.253616201	1	1	1	1037	116.394	6.37	-	0.641	-														
													EDLLAGVENLEIR	1	1	1xTMT6plex [N-Term]	-	0.641	-	1.315637708	0	1699.942781	3	567.319519	0.719570635	75.64903397
506327143	CARHSP1	calcium-regulated heat stable protein 1	16.32653061	2	4	2	147	15.882	8.21	0.737	0.749	0.833														
													LQAVEVVITHLAPGTK	3	1	2xTMT6plex [N-Term; K16]	0.737	0.749	0.786	1.448671699	0	2134.299996	3	712.1048584	0.012278177	96.39890239
													ASQGPVYK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.919	1.799117804	0	1307.772358	2	654.3895264	-0.444668846	37.58255676
109637759	CAST	calpastatin isoform f	16.93333333	9	28	9	750	80.216	5.15	0.417	0.496	0.551														
													VSASSGATSK	3	1	2xTMT6plex [N-Term; K10]	0.356	0.358	0.314	1.436876297	0	1352.778565	2	676.8931885	0.39563247	31.52876171
													QASDTGSNDAHNK	7	1	2xTMT6plex [N-Term; K13]	0.227	0.22	0.219	1.840578198	0	1802.903324	3	601.6391602	-0.22033974	19.65607569
													QPDPDENKPMEDK	1	1	3xTMT6plex [N-Term; K8; K13]	-	-	1.358	0.889036	0	2230.162859	3	744.06073	2.142346415	43.01067584
													QPDPDENKPMEDK	2	1	3xTMT6plex [N-Term; K8; K13]; 1xOxidation [M10]	0.476	0.49	-	0.851630807	0	2246.157774	3	749.3904419	-0.445862004	36.56510365
													EADPEDGKPVMDK	1	1	3xTMT6plex [N-Term; K8; K13]; 1xOxidation [M11]	-	-	0.365	0.884246528	0	2134.130497	3	712.0491943	1.186978873	40.6187706
													GTVPDDAVEALADSLGK	5	1	2xTMT6plex [N-Term; K17]	0.735	0.702	0.711	1.859376311	0	2116.153785	2	1058.581543	0.956640068	95.11025958
													SAEQQPSEK	5	1	2xTMT6plex [N-Term; K9]	0.551	0.537	0.541	1.967609644	0	1461.794943	2	731.4011841	0.101330261	23.69991721
													LSDSLGQR	1	1	1xTMT6plex [N-Term]	-	1.059	-	1.008084059	0	1104.621053	2	552.8145752	0.74312419	48.83388292
													KPADDQDPIDALSGDLDSCPSTTETSQNTAK	2	1	3xTMT6plex [N-Term; K1; K31]; 1xCarbamidomethyl	1.068	0.851	-	1.79212749	0	3964.95366	3	1322.321411	-1.003717043	74.77565575
													LGERDDTIPPEYR	1	1	1xTMT6plex [N-Term]	-	0.736	-	0.929834366	1	1789.928193	3	597.3141479	-0.169052784	47.18452404

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
4502599	CBR1	carbonyl reductase [NADPH] 1 isoform 1	36.46209386	8	23	8	277	30.356	8.32	1.503	1.568	1.508														
													SCSPELQQK	6	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.666	1.696	1.69	1.537785292	0	1534.829949	2	767.918396	-0.282551049	38.02417643
													EGWPSSAYGVTK	1	1	2xTMT6plex [N-Term; K12]	1.486	-	-	0.748015523	0	1739.936857	2	870.4705811	-1.70757382	62.48708665
													SETITEEELVGLMNK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.094	1.889458656	0	2151.161907	3	717.7262573	1.074746001	91.27891294
													EYGGLDVLVNNAGIAFK	7	1	2xTMT6plex [N-Term; K17]	1.621	1.626	1.553	1.571959257	0	2238.253439	3	746.7563477	0.469249251	96.08739919
													GIGLAIVR	1	1	1xTMT6plex [N-Term]	-	1.561	-	0.879555404	0	1027.682531	2	514.3447876	-0.226212552	66.04541597
													LFSGDVVLTAR	2	1	1xTMT6plex [N-Term]	-	1.051	1.098	1.243023396	0	1406.820481	2	703.9143066	0.60830878	81.11074196
													GQAAVQQLQAEGLSPR	2	1	1xTMT6plex [N-Term]	0.934	-	1.137	1.286484122	0	1882.03439	3	628.0157471	-0.904122195	56.84564953
													FHQLDIDDLQSIR	3	1	1xTMT6plex [N-Term]	1.682	1.588	1.638	1.690850496	0	1828.975478	3	610.3288574	-1.891072033	74.11806705
187960037	CBX1	chromobox protein homolog 1	15.13513514	2	4	2	185	21.405	4.93	1.077	1.021	1.023														
													NSDEADLVPAK	3	1	2xTMT6plex [N-Term; K11]	1.077	-	1.023	1.981553197	0	1616.889572	2	808.9483032	-0.149784309	51.73075122
													KVEEVLEEEEEEYVVEK	1	1	3xTMT6plex [N-Term; K1; K17]	-	1.021	-	0.848150194	1	2796.500948	3	932.8372192	-1.374476615	84.43849325
20544151	CBX3	chromobox protein homolog 3	42.07650273	6	20	6	183	20.798	5.33	0.618	0.622	0.7														
													SLSDSESDDSK	6	1	2xTMT6plex [N-Term; K11]	0.686	0.671	0.629	1.359466672	0	1627.806296	2	814.4083252	1.890870328	35.8535024
													DSDEADLVLAK	4	1	2xTMT6plex [N-Term; K11]	0.649	0.675	0.697	0.921503425	0	1633.904888	3	545.3053589	-2.059048766	66.17868373
													LTWHSCPEDEAQ	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.546	-	-	0.720701396	0	1701.774001	2	851.3887939	-2.168237012	50.6500986
													KVEEAEPEEFVVEK	3	1	3xTMT6plex [N-Term; K1; K14]	0.942	0.953	0.961	2.156882524	1	2349.315654	3	783.7764282	-0.392838668	65.09048722
													VEEAEPEEFVVEK	5	1	2xTMT6plex [N-Term; K13]	0.408	0.38	0.389	1.562536955	0	1992.057759	2	996.5325317	0.013803095	72.45948781
													GFTDADNTWEPEENLDCPELIEAFLNSQK	1	1	2xTMT6plex [N-Term; K29]; 1xCarbamidomethyl	0.772	-	-	0.791418076	0	3840.831471	4	960.9621582	-1.215257044	101.5069078
24432106	CCAR2	cell cycle and apoptosis regulator protein 2	3.141928494	2	2	2	923	102.838	5.22	0.594	-	0.763														
													IHTLELK	1	1	2xTMT6plex [N-Term; K7]	0.594	-	-	1.670178294	0	1311.840043	3	437.9505005	-2.35933121	54.99842564
													EAAPDAGAEPITADSDPAYSSK	1	1	2xTMT6plex [N-Term; K22]	-	-	0.763	1.139233351	0	2621.298277	3	874.4381714	0.642544258	60.7683574
56713254	CCBL2	kynurenine--oxoglutarate transaminase 3 isoform 1	2.863436123	1	1	1	454	51.368	8.19	-	-	1.172														
													AIILNTPHNPLGK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.172	1.664227843	0	1846.131474	3	616.0479736	-1.14096509	68.59412995
19923969	CCDC124	coiled-coil domain-containing protein 124	4.035874439	1	1	1	223	25.82	9.54	-	0.597	-														
													SPDNPMNQR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	0.597	-	0.7368747	0	1303.626215	2	652.3164673	-0.427269474	22.40989978
41281911	CCDC50	coiled-coil domain-containing protein 50 long isoform	1.867219917	1	4	1	482	56.305	8.21	-	0.824	0.877														
													ESDEPHHSK	4	1	2xTMT6plex [N-Term; K9]	-	0.824	0.877	1.47622025	0	1523.785441	4	381.7018127	-0.013298091	19.99677193
62988355	CCDC58	coiled-coil domain-containing protein 58 isoform 1	6.25	1	2	1	144	16.609	7.81	1.632	-	1.776														
													NLDDLTLLK	2	1	2xTMT6plex [N-Term; K9]	1.632	-	1.776	1.413094401	0	1502.919416	2	751.9591675	-5.560729987	88.48563893
5453603	CCT2	T-complex protein 1 subunit beta isoform 1	48.97196262	20	49	20	535	57.452	6.46	1.204	1.178	1.271														
													LTSFIGAIAIGDLVK	6	1	2xTMT6plex [N-Term; K15]	1.305	1.319	1.36	2.06817174	0	1976.21962	2	988.6136475	0.20142593	104.3567537
													AGADEERAETAR	3	1	1xTMT6plex [N-Term]	-	0.888	1.076	1.426777005	1	1504.755314	2	752.8809814	-0.417363121	24.4757209
													LAVEAVLR	1	1	1xTMT6plex [N-Term]	1.537	-	-	1.347828746	0	1099.70366	2	550.3550415	-0.776556647	70.2287215
													ILLSSGR	1	1	1xTMT6plex [N-Term]	-	-	1.563	1.398565888	0	974.6195964	2	487.8128967	-1.10771728	51.93488347
													EAESLIAK	1	1	2xTMT6plex [N-Term; K8]	1.39	-	-	1.044471622	0	1318.798238	2	659.9034424	1.038942566	53.79021009
													LIEEVMIGEDK	2	1	2xTMT6plex [N-Term; K11]	-	0.951	1.116	1.284129143	0	1733.975944	2	867.4911499	-0.531135	90.24145252
													MLPTIIADNAGYDSADLVAQLR	3	1	1xTMT6plex [N-Term]	1.367	1.367	1.359	2.343039513	0	2576.359154	3	859.4586792	0.904608992	98.63778483
													GATQQILDEAER	1	1	1xTMT6plex [N-Term]	1.383	-	-	1.949345708	0	1559.822666	2	780.4154663	0.634961403	52.32476095
													DASLMVTNDGATILK	2	1	2xTMT6plex [N-Term; K15]	-	0.796	0.516	1.419192791	0	2007.119648	2	1004.061401	-2.053697012	80.33200556
													VPDHHPC	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.839	-	-	0.856800854	0	1090.53013	3	364.1813965	-0.452630204	23.64849358
													FRQDLMNIAGTTLSSK	1	1	2xTMT6plex [N-Term; K16]	1.252	-	-	1.83189261	1	2240.247308	3	747.4173584	-4.368372479	80.65994979
													GSGNLEAIHIIK	2	1	2xTMT6plex [N-Term; K12]	0.981	1.234	-	1.680793881	0	1710.031426	3	570.682251	0.452634774	64.58010725
													QVLLSAAEAAEVILR	5	1	1xTMT6plex [N-Term]	1.153	1.089	1.049	2.039187908	0	1812.079215	3	604.6955566	-3.916969009	101.2543676
													AAHSEGNTTAGLDMR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M14]	0.704	1.049	1.679	1.852195024	0	1775.854377	3	592.6228638	-0.190697734	23.57248975
													NIGVDNPAAK	5	1	2xTMT6plex [N-Term; K10]	1.425	1.227	1.43	1.673347592	0	1456.852399	2	728.9283447	-2.049580917	50.43205111
													LGGSLADSYLDEGFLDK	6	1	2xTMT6plex [N-Term; K18]	1.38	1.528	1.523	2.364872932	0	2371.279714	2	1186.144165	0.565023231	98.06297532
													EALLSSAVDHGSDEVK	1	1	2xTMT6plex [N-Term; K16]	-	-	1.201	1.831042051	0	2115.133384	3	705.7185669	3.670503077	58.04008494
													IHPQTIIAGWR	1	1	1xTMT6plex [N-Term]	-	0.993	-	0.830686688	0	1520.889898	3	507.6347656	-0.101411023	64.81033651
													VQDDEVGDGTTSVTVLAAELLR	2	1	1xTMT6plex [N-Term]	-	1.113	1.181	1.032115817	0	2517.324542	2	1259.164917	-0.78851002	99.57466691
													EAVAMESYAK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.416	1.389702559	0	1556.839451	2	778.9246216	1.615936737	52.2765755
63162572	CCT3	T-complex protein 1 subunit gamma isoform a	32.29357798	15	34	15	545	60.495	6.49	1.458	1.334	1.446														
													EIQVQHPAAK	1	1	2xTMT6plex [N-Term; K10]	-	1.336	-	0.761765599	0	1578.936797	3	526.9836426	-0.267639354	46.29572614
													ELGIWEPLAVK	8	1	2xTMT6plex [N-Term; K11]	1.469	1.481	1.417	1.836651683	0	1713.035114	3	571.6807251	-4.373551347	94.33405876
													TLIQNCGASTIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.261	-	-	1.064854026	0	1562.852192	2	781.9293823	-0.45039548	48.05689108
													EILSEVER	2	1	1xTMT6plex [N-Term]	1.699	1.283	-	1.431893945	0	1203.678233	2	602.3433838	1.044787627	59.91518701
													IGDEYFTFITDCK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.169	-	-	0.710467219	0	2067.0509	3	689.6864014	-3.023316183	94.30478414
													QGGAPDAGQE	1	1	1xTMT6plex [N-Term]	-	-	1.298	0.654945254	0	1158.558847	2	579.7838135	1.29800323	27.56468029
													VQSGNINAAK	6	1	2xTMT6plex [N-Term; K10]	1.306	1.262	1.311	2.901141644	0	1459.863298	2	730.4338989	-1.901937285	39.93597877
													NLQDAMQVCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.54	-	1.73028934	0	1463.729634	2	732.3683472	-0.147789631	50.59429894
													IDDIVSGHK	2	1	2xTMT6plex [N-Term; K9]	1.621	-	1.625	2.379548788	0	1441.8415	3	481.2848816	-0.976677818	55.05795195
													WSSLACNIALDAVK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	1.12	1.354	1.557050228	0	2006.114504	3	669.3765259	0.259624622	94.52098077
													IPGGIIEDSCVLR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.369	-	1.513	1.704221606	0	1657.914458	3	553.3080444	-2.942099453	78.52628384
													ISIPVDISDSDMMLNIINSSITTK	3	1	2xTMT6plex [N-Term; K24]	1.367	1.241	1.398	2.637237787	0	3065.651445	3	1022.554199	-1.109181461	105.0506176
													ALDDMISTLK	2	1	2xTMT6plex [N-Term; K10]	-	1.063	1.212	1.34540236	0	1564.902051	2	782.9542847	-0.484576055	89.47660625
													AVAQALEVIPR	1	1	1xTMT6plex [N-Term]	-	-	1.554	1.440344691	0	1395.852115	3	465.9541016	-3.126357335	75.71771289
													IVLLDSSLEYK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.117	0.61512661	0	1738.040259	2	869.5241699	0.462730219	91.95323637
38455427	CCT4	T-complex protein 1 subunit delta isoform a	24.30426716	9	24	8	539	57.888	7.83	1.385	1.34	1.435														
													GDVTITNDGATILK	2	1	2xTMT6plex [N-Term; K14]	1.212	1.342	-	1.991334558	0	1876.079164	2	938.5419922	-1.309009261	69.47472264
													AQDIEAGDGTTSVVIIAGSLLDSCTK	3	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl	1.388	1.44	1.457	1.935963154	0	3079.623316	3	1027.213135	0.498452803	99.62645968
													ITGCASPGK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.372	1.58	-	1.147078395	0	1348.765892	2	674.8865967	0.018090148	40.48537178
													LGGTIDDCELVEGLVLTQK	3	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.483	1.586	1.605	2.675338745	0	2518.383861	3	840.1329956	0.227215722	97.08282748

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DALSDLALHFLNK	2	1	2xTMT6plex [N-Term; K13]	1.465	-	1.509	1.274626017	0	1915.105319	3	639.039978	0.032396146	96.75834709
													TGCNVLLIQK	3	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.138	-	1.481	1.499986053	0	1603.960569	2	802.482666	-1.567294607	66.39894418
													ALIAGGGAPEIELALR	2	1	1xTMT6plex [N-Term]	-	1.14	1.216	0.882943451	0	1780.053	3	594.0227051	0.315818897	91.54333709
													ETLLNSATTSLNSK	1	1	2xTMT6plex [N-Term; K14]	-	0.916	-	1.199048281	0	1937.095542	2	969.0515747	0.170845503	67.9496612
													SLHDALCVIR	12	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.513	1.259	1.263	2.06500721	0	1412.788135	3	471.6013794	1.026129508	54.77178671
24307939	CCT5	T-complex protein 1 subunit epsilon isoform a	29.39001848	15	34	14	541	59.633	5.66	1.496	1.357	1.295														
													SLHDALCVIR	12	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.513	1.259	1.263	2.06500721	0	1412.788135	3	471.6013794	1.026129508	54.77178671
													TSLGPNGLDK	1	1	2xTMT6plex [N-Term; K10]	1.581	-	-	1.056589723	0	1459.852064	2	730.428894	-1.063761254	51.75706719
													SHIMAAK	1	1	2xTMT6plex [N-Term; K7]	-	1.388	-	2.135591507	0	1215.728384	3	405.914093	-0.54174705	32.4571065
													SHIMAAK	1	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M4]	-	1.134	-	1.318781734	0	1231.723299	3	411.2463989	1.091241308	26.20106747
													LMGLEALK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.208	1.804409981	0	1332.832515	2	666.9193726	-0.78522455	85.30132854
													IAILTCPFEPPKPK	2	1	3xTMT6plex [N-Term; K12; K14]; 1xCarbamidomethyl	1.605	1.917	-	1.624700189	0	2298.386258	3	766.7963257	-5.148803505	89.40966919
													DTEPLIQTAK	2	1	2xTMT6plex [N-Term; K10]	-	1.41	1.177	1.573874474	0	1573.920144	2	787.4612427	-3.13559011	54.60750804
													LGFAGLVQEISFGTTK	5	1	2xTMT6plex [N-Term; K16]	1.486	1.438	1.335	2.9721241	0	2126.226162	2	1063.616577	-0.13376899	100.5173341
													QMAEIAVNAVLTVADMERR	1	1	1xTMT6plex [N-Term]	1.091	-	-	1.41994381	1	2346.247101	3	782.7548828	1.276147555	100.0512908
													QQHVIETLIGK	1	1	2xTMT6plex [N-Term; K11]	-	0.95	-	1.542880297	0	1724.047076	3	575.3546143	1.28407366	65.53012522
													ISDSVLVDIK	4	1	2xTMT6plex [N-Term; K10]	1.659	1.478	1.575	1.659340024	0	1546.94563	2	773.9760132	-0.569278451	81.8149735
													WVGGPEIELIAIATGGR	4	1	1xTMT6plex [N-Term]	0.773	1.041	-	2.399026871	0	1968.111577	2	984.5552368	-4.258009192	102.1849086
													QMAEIAVNAVLTVADMER	1	1	1xTMT6plex [N-Term]	1.471	-	-	1.093511701	0	2190.14599	3	730.7199097	-0.371809047	103.5744644
													DVDFELIK	1	1	2xTMT6plex [N-Term; K8]	-	1.537	-	1.667853117	0	1436.840103	2	718.9234009	-0.402015636	79.85709168
													FEEMIQQIK	1	1	2xTMT6plex [N-Term; K9]	-	1.445	-	0.820874691	0	1623.918035	3	541.977478	-0.095219072	88.81028393
													IADGYEQAAR	2	1	1xTMT6plex [N-Term]	-	1.562	1.359	1.536232471	0	1322.690195	2	661.8497314	1.505470164	39.71895429
4502643	CCT6A	T-complex protein 1 subunit zeta isoform a	23.72881356	9	15	7	531	57.988	6.68	1.25	1.465	1.275														
													VATAQDDITGDGTTSNVLIIGELLK	1	1	2xTMT6plex [N-Term; K25]	-	-	1.276	1.572284222	0	3002.666167	3	1001.559509	-0.730097136	99.44488474
													GFVVINQK	2	2	2xTMT6plex [N-Term; K8]	1.083	-	1.418	1.629234552	0	1362.850942	2	681.9290161	-0.13699476	63.28050286
													GLQDVLR	1	2	1xTMT6plex [N-Term]	-	1.398	-	1.138106704	0	1029.62541	2	515.3162842	-0.114925898	56.05228923
													VLAQNSGFDLQETLVK	1	1	2xTMT6plex [N-Term; K16]	1.239	-	-	1.47192955	0	2220.264004	3	740.7562256	-4.450178974	89.92610125
													NAIDDGCVVPGAGAVEVAMAEALIK	2	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	1.337	-	1.426	1.615748882	0	2928.557485	3	976.8565674	-0.797775552	102.1487536
													GIDPFSLDALSK	3	1	2xTMT6plex [N-Term; K12]	1.372	1.06	1.306	1.440591097	0	1720.988558	3	574.3347778	0.710333656	93.66300362
													AQLGVQAFADALLIIPK	3	1	2xTMT6plex [N-Term; K17]	1.023	0.959	0.922	1.551658988	0	2226.362596	3	742.7921143	-0.362230557	104.9644289
													SETDTSLIR	1	1	1xTMT6plex [N-Term]	-	1.343	-	1.101635456	0	1250.678962	2	625.8430786	-0.064759574	49.57747725
													SAEEREK	1	1	2xTMT6plex [N-Term; K7]	-	1.813	-	0.907652497	1	1306.7367	3	436.2503052	-0.258715207	20.2114433
58331173	CCT6B	T-complex protein 1 subunit zeta-2 isoform 1	5.094339623	3	6	1	530	57.785	7.24	-	-	1.122														
													GIDPFSLDSLAK	3	1	2xTMT6plex [N-Term; K12]	-	-	1.122	1.464264989	0	1720.988558	3	574.3347778	0.710333656	93.66300362
													GFVVINQK	2	2	2xTMT6plex [N-Term; K8]	1.083	-	1.418	1.629234552	0	1362.850942	2	681.9290161	-0.13699476	63.28050286
													GLQDVLR	1	2	1xTMT6plex [N-Term]	-	1.398	-	1.138106704	0	1029.62541	2	515.3162842	-0.114925898	56.05228923
5453607	CCT7	T-complex protein 1 subunit eta isoform a	28.72928177	11	21	11	543	59.329	7.65	1.262	1.256	1.2														
													EGTDSSQGIPQLVSNISACQVIAEAVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.289	1.006284952	0	3058.567643	3	1020.194031	-0.033978272	95.75151887
													TATQLAVNK	3	1	2xTMT6plex [N-Term; K9]	1.19	1.071	1.072	1.839664102	0	1403.862235	2	702.4353027	0.779028542	47.97977344
													VQGGALEDSQLVAGVAFK	1	1	2xTMT6plex [N-Term; K18]	-	-	1.456	1.388756156	0	2247.274903	3	749.7615356	-2.157914192	89.80060071
													CAMTALSSK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M3]; 1xCarbamidomethyl	-	1.295	-	0.628411889	0	1442.774743	2	721.8892212	-2.479290135	39.87484125
													STVDAPTAAGR	2	1	1xTMT6plex [N-Term]	1.072	-	1.055	1.173643351	0	1274.690195	2	637.8498535	1.753689845	29.96288621
													YNFFTGCPK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.213	1.224	-	1.634026051	0	1591.834306	3	531.2833862	0.816185077	70.42119376
													INALTAASEAACLIVSVDETIK	1	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	-	-	1.064	1.438093543	0	2747.526503	3	916.5128174	-0.947696614	108.3858364
													QQLLIGAYAK	2	1	2xTMT6plex [N-Term; K10]	1.312	1.35	-	1.332569599	0	1562.967035	2	781.9852295	-2.4646877	70.15404946
													SQDAEVGDGTTSVTLLAAEFLK	2	1	2xTMT6plex [N-Term; K22]	1.175	1.238	-	1.537731767	0	2710.455112	3	904.1551514	-1.553513438	101.009665
													ATISNDGATILK	4	1	2xTMT6plex [N-Term; K12]	1.458	1.422	1.174	1.895127416	0	1661.983807	2	831.496582	1.251939093	62.38247812
													TLVDIAK	2	1	2xTMT6plex [N-Term; K7]	1.386	-	1.414	1.516011477	0	1217.786945	2	609.3964844	-1.028890977	64.83894589
48762932	CCT8	T-complex protein 1 subunit theta isoform 1	40.69343066	22	59	22	548	59.583	5.6	1.401	1.341	1.439														
													HFSGLEEAVYR	1	1	1xTMT6plex [N-Term]	1.078	-	-	0.629116416	0	1536.800808	2	768.90448	0.56957345	51.74843417
													NIQACK	1	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	-	1.502	-	1.003821254	0	1191.691999	2	596.3488159	-1.379546111	36.23877428
													TAYGPNGMNK	1	1	2xTMT6plex [N-Term; K10]	-	1.219	-	1.199007034	0	1510.808819	2	755.9074097	-0.845040118	51.27246383
													LYAVHQEGNK	2	1	2xTMT6plex [N-Term; K10]	1.475	-	1.46	1.514839292	0	1616.916062	3	539.6434326	-0.196057449	38.76983314
													ETEGDVTSVK	4	1	2xTMT6plex [N-Term; K10]	1.366	1.08	1.445	2.079570532	0	1522.836474	3	508.2829285	-1.472042237	41.76526244
													NVGLDIEAEVPAVK	1	1	2xTMT6plex [N-Term; K14]	1.549	-	-	1.017208695	0	1912.115549	3	638.0391235	-6.658449348	86.57404748
													QYGNEVFLAK	2	1	2xTMT6plex [N-Term; K10]	1.2	1.133	-	1.138017058	0	1626.925564	2	813.9667358	0.388087631	67.39028422
													KETEGDVTSVK	2	1	3xTMT6plex [N-Term; K1; K11]	1.685	-	1.71	1.305685997	1	1880.094369	3	627.3700562	0.662954505	41.49488162
													TVGATALPR	2	1	1xTMT6plex [N-Term]	-	1.542	-	1.722574949	0	1114.678174	2	557.8430786	0.634018481	51.69664599
													RLVPGGGATEIELAK	1	1	2xTMT6plex [N-Term; K15]	1.799	-	-	1.377593994	1	1969.184632	3	657.0661621	-0.354772155	63.63113173
													LVPGGGATEIELAK	6	1	2xTMT6plex [N-Term; K14]	1.223	1.041	1.116	1.764261603	0	1813.083521	3	605.0336914	1.654771397	81.51461115
													FAEAFEAIPR	3	1	1xTMT6plex [N-Term]	1.214	0.686	0.697	1.279602528	0	1379.752067	2	690.3789673	-1.021241222	82.80339052
													DMLEAGILDTYLGK	5	1	2xTMT6plex [N-Term; K14]	1.198	1.294	1.22	1.710405469	0	1997.102935	2	999.0521851	-2.925223687	97.56040642
													DMLEAGILDTYLGK	3	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M2]	1.492	1.544	1.641	1.732122302	0	2013.09785	3	671.7012329	-4.32417606	93.96378876
													ANEVISK	3	1	2xTMT6plex [N-Term; K7]	1.657	1.747	1.713	1.714835644	0	1218.745809	2	609.8775024	1.575154392	45.67124537
													ALAENSGVK	2	1	2xTMT6plex [N-Term; K9]	-	1.455	1.506	1.483371258	0	1346.804386	2	673.906311	0.712397675	46.40998653
													AIADTGANVVVTGGK	7	1	2xTMT6plex [N-Term; K15]	1.441	1.4	1.431	2.447866201	0	1831.068933	3	611.0270996	-1.194762161	62.00342072
													EDGAISTIVLR	3	1	1xTMT6plex [N-Term]	0.947	0.948	1.062	1.218969226	0	1402.81031	2	701.907959	-1.189563006	66.14080432
													TAEELMNFSK	3	1	2xTMT6plex [N-Term; K10]	0.988	1.077	1.128	1.927387357	0	1627.876565	3	543.296814	-0.415200688	72.45435239
													QITSYGETCPGLEQYAIK	3	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	2.649	2.69	2.554	1.583355546	0	2516.310696	3	839.4401245	-1.93782304	76.14899389
													VADMALHYANK	1	1	2xTMT6plex [N-Term; K11]	-	1.402	-	0.968050599	0	1690.935082	3	564.3171387	1.052834993	65.08986171
													ELEVQHPAAK	1	1	2xTMT6plex [N-Term; K10]	-	1.375	-	1.215254307	0	1579.920813	3	527.3118896	0.191816773	49.48888082
													LFVTNDAATILR	2	1	1xTMT6plex [N-Term]	1.163	-	-	2.595323086	0	1562.910358	3	521.6414795	-0.302777082	87.00731128

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
115529484	CD109	CD109 antigen isoform 1 preproprotein	15.77854671	16	40	16	1445	161.587	5.85	0.753	0.84	0.812														
													TLTLPSLPLNSADEIYELR	5	1	1xTMT6plex [N-Term]	0.759	0.756	0.717	1.77664566	0	2374.306708	3	792.1077881	0.88592506	98.40106955
													TNIQVTVTGPSSPSPVK	3	1	2xTMT6plex [N-Term; K17]	0.779	1.168	0.95	1.432312608	0	2170.248354	2	1085.627319	-0.457075856	65.10267509
													FLIDTHNR	1	1	1xTMT6plex [N-Term]	0.745	-	-	0.888700664	0	1244.694887	3	415.5694275	-0.9298016	48.12574396
													CFLEADPYIDIDQNVLHR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.668	0.739	0.737	3.012509346	0	2447.222661	3	816.4080811	-5.300202612	89.08106291
													ISVTQPDSIVGIVAVDK	5	1	2xTMT6plex [N-Term; K17]	0.667	0.664	0.749	2.165177584	0	2199.300055	2	1100.153564	-0.092276517	94.161148
													SNLIQQWLSQQSDLGVISK	2	1	2xTMT6plex [N-Term; K19]	0.686	0.676	-	1.440029025	0	2602.460472	3	868.1575928	-0.863332877	99.15791194
													GDVTLTFLPLSFWGK	2	1	2xTMT6plex [N-Term; K15]	-	0.989	0.838	1.550856948	0	2139.225434	3	713.7470703	0.5720844	104.9843079
													NSLGGFASTQDTTVALK	1	1	2xTMT6plex [N-Term; K17]	0.78	-	-	1.122027159	0	2168.196318	2	1084.598022	-3.482220711	71.45408507
													VIHSELQGGNK	2	1	2xTMT6plex [N-Term; K11]	0.732	0.786	-	2.446216583	0	1639.953175	3	547.3226318	0.101769865	39.49862662
													ADGNQLTLEER	1	1	1xTMT6plex [N-Term]	-	1.04	-	0.837741673	0	1474.769902	2	737.8886108	0.029360301	44.22649765
													LQSTLK	1	1	2xTMT6plex [N-Term; K6]	0.981	-	-	1.09772265	0	1147.74508	2	574.3757935	-0.670903279	49.75218454
													VGSPFELVVSGNK	5	1	2xTMT6plex [N-Term; K13]	0.801	0.929	0.846	1.134550333	0	1791.041656	2	896.0213013	-3.53427343	89.22869592
													GQLVAVGK	2	1	2xTMT6plex [N-Term; K8]	-	1.107	0.942	1.849272609	0	1229.798178	2	615.4033203	0.963983376	57.88603292
													IEFPILEDSSELQLK	4	1	2xTMT6plex [N-Term; K15]	0.764	0.816	0.784	1.529040337	0	2219.257522	3	740.4234009	-0.843671031	98.93522571
													SYSQSILLDLTDNR	2	1	1xTMT6plex [N-Term]	-	0.823	0.822	2.183327436	0	1853.980623	2	927.4915161	-2.625174922	85.14920873
													YQPNIDVQESIHFLESEFSR	1	1	1xTMT6plex [N-Term]	-	-	0.799	1.432925463	0	2667.325211	3	889.7819824	2.318043409	97.66951212
4557417	CD14	monocyte differentiation antigen CD14 precursor	6.933333333	2	2	2	375	40.051	6.23	-	0.626	-														
													QYADTVK	1	1	2xTMT6plex [N-Term; K7]	-	0.622	-	0.732738197	0	1282.740723	2	641.8735962	-0.629423525	39.30174174
													AFPALTSLDLSDNPGLGER	1	1	1xTMT6plex [N-Term]	-	0.656	-	1.357589364	0	2202.160378	3	734.7249146	-0.085074483	93.60522139
11321634	CD2AP	CD2-associated protein	1.564945227	1	1	1	639	71.407	6.4	1.147	-	-														
													EGEIIHLISK	1	1	2xTMT6plex [N-Term; K10]	1.147	-	-	1.770484924	0	1596.972514	3	532.9954834	-0.386296371	72.12634726
48255935	CD44	CD44 antigen isoform 1 precursor	4.177897574	3	9	3	742	81.487	5.33	0.646	0.468	0.762														
													YGFIEGHVVIPR	6	1	1xTMT6plex [N-Term]	0.756	-	0.792	2.191960335	0	1615.915778	3	539.31073	1.150110316	66.83689271
													SQEMVHLVNK	2	1	2xTMT6plex [N-Term; K10]	0.491	0.468	-	1.917614698	0	1642.935082	3	548.315979	-1.033959466	50.9081757
													FAGVFHVEK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.74	0.861527741	0	1491.872406	3	497.9627991	0.963867145	66.11241252
27502423	CD46	membrane cofactor protein isoform 2 precursor	2.506265664	1	1	1	399	44.209	6.9	1.009	-	-														
													CRFPVVENGK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.009	-	-	1.114958763	1	1663.935417	3	555.3151855	-2.652614596	46.35725419
42761474	CD59	CD59 glycoprotein preproprotein	25	3	7	3	128	14.168	6.48	0.996	1.179	1.038														
													FEHCNFNDVTTR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.121	1.058	1.749881029	0	1768.827434	3	590.2800903	-0.970091188	45.27577556
													AGLQVYNK	3	1	2xTMT6plex [N-Term; K8]	0.996	1.304	1.01	1.795989752	0	1350.814557	2	675.9101563	-1.125920647	51.92923654
													LRENELTYYCCK	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	-	1.082	-	1.101304889	1	2107.071653	3	703.0280762	-0.938489383	56.73373109
4502693	CD9	CD9 antigen	3.947368421	1	1	1	228	25.399	7.15	-	0.754	-														
													DVLETFTVK	1	1	2xTMT6plex [N-Term; K9]	-	0.754	-	0.716514885	0	1509.892867	3	503.9691772	0.074116703	83.28424319
11386157	CDA	cytidine deaminase	11.64383562	1	1	1	146	16.174	6.92	-	0.969	-														
													GCNIENACYPLGICAER	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	0.969	-	0.976074994	0	2226.030309	3	742.680603	-1.371727939	64.87598109
5901922	CDC37	hsp90 co-chaperone Cdc37	16.66666667	5	13	5	378	44.44	5.25	1.374	1.594	1.455														
													EYEEEER	1	1	1xTMT6plex [N-Term]	-	-	2.048	0.766066551	0	1212.558178	2	606.7819214	-1.329112773	22.73807747
													LGPGGLDPVEVYESLPEELQK	1	1	2xTMT6plex [N-Term; K21]	-	-	2.217	1.731681943	0	2727.485683	3	909.8355103	2.307635108	99.12832434
													LQAEAQQLR	1	1	1xTMT6plex [N-Term]	1.369	-	-	0.818857908	0	1285.742565	2	643.375	0.123220623	44.92408961
													ELEVAEGGK	6	1	2xTMT6plex [N-Term; K9]	1.339	1.607	1.224	1.737618446	0	1389.798966	3	463.9372559	-1.260536176	52.6027286
													EGEEAGPGDPLLEAVPK	4	1	2xTMT6plex [N-Term; K17]	1.555	1.578	1.483	2.078458786	0	2166.169435	2	1083.586548	-1.669258562	76.73462206
4757952	CDC42	cell division control protein 42 homolog isoform 1 precursor	20.41884817	3	12	3	191	21.245	6.55	2.07	2.121	1.811														
													NVFDEAILAALEPPEPK	4	1	2xTMT6plex [N-Term; K17]	2.659	2.581	2.606	3.038807631	0	2311.29497	4	578.5790405	-0.27586294	101.8708236
													QKPITPETAEK	2	1	3xTMT6plex [N-Term; K2; K11]	-	3.066	1.965	1.316257954	0	1929.162389	3	643.7271729	2.372275509	44.68735225
													CVVVGDGAVGK	6	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.996	1.807	1.704	1.892708898	0	1518.87142	2	759.9384766	-1.147862141	54.41262272
4757960	CDH1	cadherin-1 isoform 1 preproprotein	8.503401361	5	10	5	882	97.396	4.73	1.569	0.958	0.925														
													GQVPENEANVVITTLK	1	1	2xTMT6plex [N-Term; K16]	-	1.007	-	0.897895455	0	2170.248354	3	724.0873413	-0.407024485	82.36733083
													VNFEDCTGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.605	0.736	0.936710775	0	1326.630966	2	663.8195801	0.691711767	43.93348052
													DWVIPPISCPENEK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.604	-	-	1.866235256	0	2142.130547	3	714.7145386	-0.693233821	88.19652361
													VFYSITGQGADTPPVGVFIIER	2	1	1xTMT6plex [N-Term]	-	-	1.253	2.063709259	0	2595.402005	3	865.8057861	0.308340841	99.67444378
													NTGVISVVTTGLDR	4	1	1xTMT6plex [N-Term]	1.539	1.234	1.058	1.906391859	0	1660.943115	3	554.3189087	-0.567265533	75.26163362
333944015	CDH13	cadherin-13 isoform 2	4.473684211	3	7	3	760	83.345	5.12	0.611	0.683	0.642														
													DIQGSLQDIFK	3	1	2xTMT6plex [N-Term; K11]	0.633	0.653	0.676	2.238875389	0	1721.983807	3	574.6668701	1.306842465	89.84234631
													TLFVHAR	3	1	1xTMT6plex [N-Term]	0.567	0.618	0.592	2.190235615	0	1072.64648	3	358.2203064	-0.10624241	48.41151759
													TPHAEDMAELVIVGGK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M7]	-	0.804	-	1.58988905	0	2141.167661	3	714.3948975	1.157229701	61.91338214
14589891	CDH3	cadherin-3 isoform 1 preproprotein	17.61158022	10	29	10	829	91.362	4.75	0.979	0.955	0.928														
													VFMGCPGQEPALFSTDNDDFTVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.115	1.126	-	1.400484562	0	2832.317031	3	944.7716064	-5.919208153	93.59887684
													EAEVTLEAGGAEQEPGQALGK	7	1	2xTMT6plex [N-Term; K21]	1.202	1.18	1.211	2.692774534	0	2542.340082	3	848.1176758	-0.63241195	65.31842505
													DWVVAPISVPENGK	1	1	2xTMT6plex [N-Term; K14]	0.892	-	-	1.568095684	0	1969.115883	2	985.0645142	2.980144725	87.93420624
													NGETVQER	1	1	1xTMT6plex [N-Term]	-	1	-	1.85853982	0	1161.606131	2	581.3070068	0.521675858	29.1812541
													YEAHVPENAVGHEVQR	2	1	1xTMT6plex [N-Term]	-	0.79	0.774	1.11166966	0	2064.046017	4	516.7667847	-0.34302439	45.81911123
													STGTISVISSGLDR	2	1	1xTMT6plex [N-Term]	-	0.754	1.051	1.210098386	0	1621.89583	2	811.4537354	2.690439819	64.74560844
													QITICNQSPVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.804	0.776	-	1.347476006	0	1544.841627	2	772.9237671	-0.886634777	51.19769266
													IFYSITGPGADSPPEGVFAVEK	5	1	2xTMT6plex [N-Term; K22]	0.921	0.804	0.81	2.176968098	0	2739.464554	4	685.6226807	1.583749731	96.86708471
													STGTISVISSGLDREK	2	1	2xTMT6plex [N-Term; K16]	0.889	0.787	-	1.293715239	1	2108.196318	3	703.4032593	-0.518859633	61.36754413
													LTVTDLDAPNSPAWR	5	1	1xTMT6plex [N-Term]	0.794	0.873	1.125	1.668083906	0	1885.001692	2	943.0083618	4.113817427	79.8416391
145309302	CDK13	cyclin-dependent kinase 13 isoform 1	0.529100529	1	1	1	1512	164.823	9.69	-	1.082	-														
													LADFGLAR	2	1	1xTMT6plex [N-Term]	-	1.082	-	0.90969032	0	1091.64106	2	546.3240356	-0.243176028	69.72157486
8923710	CDV3	protein CDV3 homolog isoform b	14.72868217	5	6	5	258	27.318	6.4	-	0.86	0.91														
													DEDEWK	1	1	2xTMT6plex [N-Term; K6]	-	-	1.433	0.95499742	0	1279.657053	2	640.3322754	0.172766015	44.76734417
													VQAMQISSEK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M4]	-	-	0.676	0.78734684	0	1594.887464	2	797.9473877	0.021820113	43.04043595

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													EVDYSGLR	2	1	1xTMT6plex [N-Term]	-	0.882	0.979	1.067605495	0	1167.620719	2	584.314209	0.362119945	44.79988226
													SSGPWNK	1	1	2xTMT6plex [N-Term; K7]	-	0.642	-	0.852292359	0	1233.699193	2	617.3529663	-0.435067815	52.17658759
													EEDDNEK	1	1	2xTMT6plex [N-Term; K7]	-	1.069	-	1.521080017	0	1336.663261	2	668.8352051	-0.09503796	26.29015818
22095367	CEP63	centrosomal protein of 63 kDa isoform a	1.564722617	1	1	1	703	81.293	6.13	-	0.945	-														
													MEALLEGIQNR	1	1	1xTMT6plex [N-Term]	-	0.945	-	1.294038653	0	1502.819829	3	501.6113586	-0.203765122	52.43322173
345199335	CFAP57	cilia- and flagella-associated protein 57 isoform a	0.779423227	1	1	1	1283	148.936	6.01	-	0.849	-														
													IMQENVSLIK	1	1	2xTMT6plex [N-Term; K10]	-	0.849	-	1.925587535	0	1632.975885	3	544.9973755	1.034029259	84.18832912
67782358	CFB	complement factor B preproprotein	18.84816754	13	47	13	764	85.479	7.06	0.634	0.667	0.699														
													DISEVVTPR	3	1	1xTMT6plex [N-Term]	0.761	0.683	0.709	1.319993973	0	1244.704782	2	622.8555298	-0.803009438	52.35810917
													EAGIPEFYDYDVALIK	7	1	2xTMT6plex [N-Term; K16]	0.69	0.717	0.675	2.202322483	0	2301.241872	2	1151.126465	1.643207325	96.00049301
													YGLVTYATYPK	8	1	2xTMT6plex [N-Term; K11]	0.524	0.538	0.547	1.630241275	0	1733.98783	3	578.6675415	0.1394022	72.0416266
													EELLPAQDIK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.701	1.3786304	0	1613.951444	2	807.4790039	-0.441666013	67.30264721
													QLNEINYEDHK	5	1	2xTMT6plex [N-Term; K11]	0.657	0.714	0.631	1.962463856	0	1860.985598	3	621.0005493	0.804481894	49.31121091
													VSEADSSNADWVTK	2	1	2xTMT6plex [N-Term; K14]	0.831	0.746	-	2.683661938	0	1967.012206	2	984.0111694	1.451997694	59.12974226
													ALFVSEEEK	7	1	2xTMT6plex [N-Term; K9]	0.624	0.617	0.628	2.392349243	0	1509.856481	2	755.4311523	-0.962338155	63.43374992
													FLCTGGVSPYADPNTCR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.902	0.743	0.676	1.528892756	0	2144.010226	3	715.3411255	-0.654071114	68.87210688
													DNEQHVFK	2	1	2xTMT6plex [N-Term; K8]	0.628	-	0.628	0.864253879	0	1474.805449	3	492.2739868	1.328045825	34.90548555
													DLLYIGK	2	1	2xTMT6plex [N-Term; K7]	0.826	0.812	-	1.164000154	0	1279.802595	2	640.4043579	-0.903232805	76.49074428
													GDSGGPLIVHK	2	1	2xTMT6plex [N-Term; K11]	-	0.882	0.95	1.793112159	0	1537.910248	3	513.3088379	1.113486224	49.57767681
													LPPTTTCQQQK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	0.597	0.632	1.991023898	0	1759.977676	3	587.3312378	0.843373712	44.69089141
													DAQYAPGYDK	3	1	2xTMT6plex [N-Term; K10]	-	0.535	0.853	2.146920681	0	1585.826244	2	793.4165039	-0.323079216	45.2376951
62739186	CFH	complement factor H isoform a precursor	2.761982128	3	7	3	1231	138.979	6.62	0.67	0.735	0.637														
													CFEGFGIDGPAIAK	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.769	0.831	0.723	1.647892237	0	1940.035191	3	647.3493652	-0.849570607	88.29528097
													SSNLIILEEHLK	3	1	2xTMT6plex [N-Term; K12]	0.561	0.577	0.578	1.870090842	0	1854.11007	3	618.7067871	-2.298537689	75.05624116
													FVCNSGYK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.706	-	1.31832099	0	1432.765892	2	716.8870239	0.613423007	50.190506
968121912	CFI	complement factor I isoform 1 preproprotein	38.24027073	19	98	19	591	66.551	7.59	0.741	0.712	0.694														
													EMECAGTYDGSIDACK	3	1	2xTMT6plex [N-Term; K16]; 2xCarbamidomethyl	0.964	0.998	0.913	0.960132241	0	2265.023776	2	1133.015503	-0.020507787	53.50139055
													EMECAGTYDGSIDACK	11	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M2];	0.623	0.606	0.668	2.037086725	0	2281.018691	3	761.0130615	2.604375991	52.27023641
													SFPTYCQQK	4	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.692	0.683	0.715	1.360132456	0	1616.850684	3	539.6223145	1.054896034	49.75045424
													VTYTSQEDLVEK	11	1	2xTMT6plex [N-Term; K12]	0.677	0.688	0.703	1.948517442	0	1870.02098	2	935.5147095	0.62156806	63.73944341
													VFSLQWGEVK	4	1	2xTMT6plex [N-Term; K10]	0.678	0.709	0.714	1.312796354	0	1650.961949	2	825.9854126	0.968759645	91.31866731
													YQIWTTVVDWIHPDLK	8	1	2xTMT6plex [N-Term; K16]	0.758	0.793	0.774	1.799767017	0	2472.369138	3	824.7946777	0.138374614	101.3303734
													HGNTDSEGIVEVK	4	1	2xTMT6plex [N-Term; K13]	0.856	0.644	-	1.562095881	0	1842.996162	3	615.0036621	0.146960765	50.71798357
													SLECLHPGTK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.935	0.862	-	1.21127212	0	1599.892884	2	800.4488525	-1.53459766	53.42596491
													CIEGTCVCK	4	1	2xTMT6plex [N-Term; K9]; 3xCarbamidomethyl	0.604	0.589	0.614	1.781356335	0	1584.794827	2	792.9023438	1.630722133	47.23052251
													EANVACLDLGFQQGADTQRR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.716	-	1.460318804	1	2478.235685	3	826.751709	1.972686922	64.75943563
													TMGYQDFADVVCYTQK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.958	0.849	-	1.71987021	0	2384.166675	3	795.3934937	-0.313385376	89.1391648
													TMGYQDFADVVCYTQK	3	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M2];	0.682	0.632	0.606	1.470169544	0	2400.16159	3	800.7261963	1.01899272	80.82974551
													YTHLSCDK	4	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.608	0.584	0.61	1.110666633	0	1481.782271	3	494.5994568	1.043662999	34.13742204
													ACDGINDCGDQSDELCCK	6	1	2xTMT6plex [N-Term; K18]; 4xCarbamidomethyl	0.858	0.888	0.931	2.915959597	0	2575.093329	3	859.0352783	-0.795046548	50.69842274
													LPYQCPK	3	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	0.492	0.502	1.050962448	0	1363.780814	3	455.2654724	0.769783764	53.09131154
													EANVACLDLGFQQGADTQR	10	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.824	0.826	0.846	2.81785655	0	2322.134574	3	774.7154541	-1.190674022	72.68126755
													AQLGDLPWQVAIK	5	1	2xTMT6plex [N-Term; K13]	0.774	0.776	0.806	2.291044235	0	1897.13114	2	949.0650024	-4.43374051	93.74843145
													IVIEYVDR	2	1	1xTMT6plex [N-Term]	0.817	0.787	-	1.097937942	0	1235.719704	2	618.3627319	-1.22765932	66.73611415
													GLETSLAECTFTK	6	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.898	0.88	0.911	1.546107292	0	1915.024685	2	958.0179443	2.050402747	75.72273893
													IIFHENYNAGTYQNDIALIEMK	3	1	2xTMT6plex [N-Term; K22]; 1xOxidation [M21]	-	0.803	0.638	2.133054018	0	3071.591228	3	1024.535767	0.494305581	89.42854924
													YLSQMK	2	1	2xTMT6plex [N-Term; K6]	-	-	1.061	0.930721462	0	1227.717151	2	614.3626709	0.744598928	51.60323957
5031635	CFL1	cofilin-1	64.45783133	9	53	6	166	18.491	8.09	1.223	1.256	1.054														
													EILVGDVGQTVDDPYATFVK	8	1	2xTMT6plex [N-Term; K20]	1.024	1.045	1.013	1.567485452	0	2624.422355	2	1312.716919	1.602741501	93.84940502
													HELQANCYEEVK	10	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.881	1.108	0.94	1.486553311	0	1978.010432	3	660.0089111	0.883594145	44.63491194
													SSTPEEVK	2	1	2xTMT6plex [N-Term; K8]	-	0.963	0.963	1.506126761	0	1334.756767	2	667.8826904	1.001807526	34.0711118
													NIILEEGK	8	1	2xTMT6plex [N-Term; K8]	1.209	1.207	1.169	2.195754766	0	1373.840437	3	458.6185913	0.57032517	63.16635117
													LGGSAVISLEGKPL	2	1	2xTMT6plex [N-Term; K12]	2.891	3.128	-	1.054164767	0	1799.104256	3	600.3716431	-2.156762604	88.80262153
													AVLFCLSEDK	3	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	0.963	0.982	1.696464658	0	1639.91295	3	547.3093872	0.401241477	81.94182828
													KEDLVFIFWAPESAPLK	7	2	3xTMT6plex [N-Term; K1; K17]	0.581	0.566	0.519	1.623660326	1	2677.557222	3	893.1912231	0.707444673	99.84079462
													YALYDATYETK	11	2	2xTMT6plex [N-Term; K11]	1.013	1.006	0.983	1.746913075	0	1795.951838	2	898.4778442	-1.907636589	64.71858912
													MIYASSK	2	3	2xTMT6plex [N-Term; K7]	0.644	0.649	-	1.219703078	0	1257.727716	2	629.367981	0.770925257	56.48881169
14719392	CFL2	cofilin-2 isoform 1	37.95180723	5	22	2	166	18.725	7.88	0.987	-	0.793														
													QILVGDIGDTVEDPYTSFVK	1	1	2xTMT6plex [N-Term; K20]	0.987	-	-	1.758775115	0	2654.43292	3	885.4813843	-1.250767328	95.00339007
													SSTQEEIK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.793	1.194129229	0	1379.778231	2	690.3933716	0.895639629	37.62726214
													KEDLVFIFWAPESAPLK	7	2	3xTMT6plex [N-Term; K1; K17]	0.581	0.566	0.519	1.623660326	1	2677.557222	3	893.1912231	0.707444673	99.84079462
													YALYDATYETK	11	2	2xTMT6plex [N-Term; K11]	1.013	1.006	0.983	1.746913075	0	1795.951838	2	898.4778442	-1.907636589	64.71858912
													MIYASSK	2	3	2xTMT6plex [N-Term; K7]	0.644	0.649	-	1.219703078	0	1257.727716	2	629.367981	0.770925257	56.48881169
4502805	CHGA	chromogranin-A isoform 1 preproprotein	3.719912473	2	4	2	457	50.658	4.6	3.209	3.626	4.633														
													HQNLLK	1	1	2xTMT6plex [N-Term; K6]	3.064	-	-	1.18807435	0	1210.767213	3	404.2605896	0.002311616	32.58863208
													ELQDLALQGAK	3	1	2xTMT6plex [N-Term; K11]	3.848	3.626	4.633	1.924256802	0	1643.973242	2	822.4902954	0.043869517	69.01752755
218083233	CHID1	chitinase domain-containing protein 1 isoform b precursor	2.870813397	1	2	1	418	47.585	8.66	0.385	-	0.663														
													FTQISPVWLQLK	2	1	2xTMT6plex [N-Term; K12]	0.385	-	0.663	1.351331592	0	1918.156626	3	640.0567627	-0.464666988	98.57075724
40548422	CHMP4A	charged multivesicular body protein 4a	3.396226415	1	1	1	265	29.785	5.14	1.148	-	-														
													VDEDEEALK	1	1	2xTMT6plex [N-Term; K9]	1.148	-	-	2.028250456	0	1505.809925	2	753.4092407	0.85009754	50.85805815
28827795	CHMP4B	charged multivesicular body protein 4b	4.910714286	1	2	1	224	24.935	4.82	0.838	0.861	-														
													GGPTPQEAIQR	2	1	1xTMT6plex [N-Term]	0.838	0.861	-	1.521110415	0	1382.758943	2	691.8847656	2.394770264	35.17686825

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
189409150	CHMP5	charged multivesicular body protein 5 isoform 1	7.305936073	1	5	1	219	24.555	4.83	0.916	0.78	0.755														
													DGVLVDEFGLPQIPAS	5	1	1xTMT6plex [N-Term]	0.916	0.78	0.755	2.686703205	0	1886.01086	3	629.3422852	0.764613174	99.52522413
221316566	CHORDC1	cysteine and histidine-rich domain-containing protein 1 isoform a	11.44578313	3	5	3	332	37.466	7.87	1.347	1.17	1.509														
													TTDFSDFLSIVGCTK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.628	-	-	1.403051257	0	2149.125128	2	1075.067261	0.985128482	98.02539412
													LSSGNEENK	3	1	2xTMT6plex [N-Term; K9]	1.709	1.048	1.509	1.278309822	0	1435.779293	3	479.2645874	-0.058785476	33.10681416
													RPSPDEPMTNLELK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M8]	-	1.323	-	0.980748057	0	2101.136361	3	701.0502319	-0.104057606	51.16563474
89274169	CIAPIN1	anamorsin isoform 1	6.41025641	2	2	2	312	33.561	5.62	0.887	0.705	-														
													LQALTGNEGR	1	1	1xTMT6plex [N-Term]	0.887	-	-	0.550460398	0	1287.721829	2	644.3651123	0.868587726	49.65252883
													SREQMSSQPK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M5]	-	0.705	-	0.577617586	1	1651.883776	3	551.2994995	0.102758535	21.88469572
664806037	CIRBP	cold-inducible RNA-binding protein isoform 3	7.070707071	1	1	1	297	31.898	9.61	-	-	1.041														
													LFVGGLSFDTNEQSLEQVFSK	1	1	2xTMT6plex [N-Term; K21]	-	-	1.041	0.780166984	0	2803.491831	3	935.1633301	-5.847880647	101.0416173
19920317	CKAP4	cytoskeleton-associated protein 4	1.827242525	1	4	1	602	65.983	5.92	0.326	0.352	0.343														
													GGHGAASPSEK	4	1	2xTMT6plex [N-Term; K11]	0.326	0.352	0.343	1.823506236	0	1455.795612	3	485.9366455	-0.15722438	22.25867894
153251984	CKMT2	creatine kinase S-type, mitochondrial precursor	3.818615752	1	3	1	419	47.474	8.19	0.66	0.624	0.636														
													LGYILTCPSNLGTGLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.66	0.624	0.636	1.438190818	0	1964.083648	3	655.3630371	-4.628205058	91.52174507
14251209	CLIC1	chloride intracellular channel protein 1	68.04979253	11	49	11	241	26.906	5.17	1.324	1.435	1.502														
													LHIVQVVCK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.513	1.559	1.41745472	0	1553.960175	2	777.4827881	-1.207159717	58.91271312
													GVTFNVTTVDTK	3	1	2xTMT6plex [N-Term; K12]	1.328	1.378	-	1.575468898	0	1739.994371	2	870.5019531	1.297837532	68.7907227
													FLDGNELTLADCNLLPK	8	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.548	1.57	1.574	2.082969189	0	2391.299404	2	1196.155273	1.616984889	96.51453008
													IEEFLEAVLCPPRYPK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.987	1.824	1.685	1.984837055	1	2419.34596	3	807.1206055	0.538689494	101.9264682
													IEEFLEAVLCPPR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.747	1.895	1.793	1.79078722	0	1801.971973	3	601.3291016	0.432191794	104.8656761
													GFTIPEAFR	1	1	1xTMT6plex [N-Term]	1.269	-	-	0.972563207	0	1266.704389	2	633.8553467	-0.76723554	76.02112775
													NSNPALNDNLEK	10	1	2xTMT6plex [N-Term; K12]	1.364	1.367	1.443	2.850343943	0	1786.969948	3	596.328186	0.032090897	50.70983449
													LCPGGQLPFLLYGTEVHTDTNK	7	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	0.755	1.277	1.327	4.27915144	0	2918.548635	3	973.5227661	1.750849646	93.69937943
													EEFASTCPDDEEIELAYEQVAK	2	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.391	-	1.19	1.202250957	0	3031.449434	3	1011.151917	-2.717425595	89.20605938
													LAALNPESNTAGLDIFAK	6	1	2xTMT6plex [N-Term; K18]	1.25	1.245	1.382	2.108813286	0	2303.301118	3	768.4379272	-0.820275605	95.64520087
													VLDNYLTSPLPEEVDETSAEDEGVSQR	1	1	1xTMT6plex [N-Term]	-	1.353	-	1.606021404	0	3221.553492	3	1074.52478	1.954271543	89.98712458
7330335	CLIC4	chloride intracellular channel protein 4	30.83003953	7	19	7	253	28.754	5.59	0.991	1.001	0.948														
													HPESNTAGMDIFAK	2	1	2xTMT6plex [N-Term; K14]	1.002	-	0.993	1.651831388	0	1976.031168	3	659.348938	0.55321741	58.09957243
													HPESNTAGMDIFAK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M9]	0.887	-	-	0.771508217	0	1992.026083	3	664.680542	0.497075099	48.23055528
													NSRPEANEALER	2	1	1xTMT6plex [N-Term]	0.943	1.712	-	1.859698653	0	1614.839713	3	538.9520264	1.122867829	23.48828007
													AGSDGESIGNCPFSQR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.933	1.862180471	0	1910.886405	2	955.9465332	-0.321936327	45.72135523
													GVVFSVTTVDLK	3	1	2xTMT6plex [N-Term; K12]	1.333	-	1.044	1.815637112	0	1723.040593	2	862.0241089	0.201854465	89.33583017
													EVEIAYSDVAK	3	1	2xTMT6plex [N-Term; K11]	-	0.938	0.956	1.432914257	0	1681.941273	2	841.472168	-2.505380281	65.67033308
													EEDKEPLIELFVK	3	1	3xTMT6plex [N-Term; K4; K13]	1.018	1.042	-	2.01957798	1	2276.335662	3	759.4490356	-1.365293554	94.25588424
													EPLIELFVK	4	1	2xTMT6plex [N-Term; K9]	0.882	0.871	0.843	1.997054935	0	1545.965638	3	515.9936523	0.495587503	99.10765116
351542242	CLIP1	CAP-Gly domain-containing linker protein 1 isoform c	0.695410292	1	1	1	1438	162.147	5.36	-	-	1.812														
													SRDEVTSHQK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.812	1.09904027	1	1644.906953	3	548.9735718	-0.481077648	21.94897426
57242755	CLSTN1	calsyntenin-1 isoform 2 precursor	16.78681771	17	48	17	971	108.574	4.93	1.15	1.218	1.193														
													FAGEICGFK	5	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.27	1.263	1.304	1.716718912	0	1486.812843	3	496.2755737	-0.453707807	72.21991695
													RATEDVLVK	2	1	2xTMT6plex [N-Term; K9]	-	-	1.393	1.182796955	1	1488.914999	2	744.9609985	-0.187089046	44.22453983
													IPDGVVSVSPK	3	1	2xTMT6plex [N-Term; K11]	1.107	-	-	1.084134459	0	1555.945965	2	778.4770508	0.552835715	69.10328158
													STGEGVIR	2	1	1xTMT6plex [N-Term]	0.933	1.27	-	1.580838203	0	1047.599589	2	524.3034668	0.064684781	28.86207974
													ETILCSSDK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.111	-	1.079	1.314581871	0	1510.818716	2	755.9125977	-0.527493796	48.77426441
													LTVTAYDCGK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.08	1.208	1.856476903	0	1585.866	3	529.2939453	0.808704834	58.84262196
													IISTITR	1	1	1xTMT6plex [N-Term]	1.078	-	-	0.952810824	0	1032.661461	2	516.8340454	-0.62655547	55.33909827
													EGLDLQVLEDSGR	3	1	1xTMT6plex [N-Term]	0.923	1.134	1.125	1.510706544	0	1659.875095	2	830.4398804	-1.572942338	74.72337631
													AASEFESSEGVFLFPELR	5	1	1xTMT6plex [N-Term]	1.341	1.183	1.231	1.600874305	0	2244.13858	3	748.7171021	-0.814026225	96.21975618
													LDCELQK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	1.4	-	1.133574009	0	1363.765558	2	682.3869629	0.80013111	59.16717913
													VIDCLYTCK	3	1	2xTMT6plex [N-Term; K9]; 2xCarbamidomethyl	-	1.256	1.266	1.157334685	0	1629.874457	3	543.9641113	2.0394297	67.96250112
													ISLSGVHHFAR	2	1	1xTMT6plex [N-Term]	-	1.755	1.639	1.505336404	0	1452.827298	3	484.9476318	0.719037847	45.72752421
													ATVIEGK	3	1	2xTMT6plex [N-Term; K7]	1.213	1.18	-	1.802557707	0	1175.739995	2	588.3736572	0.036498822	47.829224
													DYSFTIQAYDCGK	6	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.016	1.07	1.005	2.682879686	0	2025.999199	3	676.00354	-1.545964487	73.61051811
													IHGQNVPFDAVVVDK	6	1	2xTMT6plex [N-Term; K15]	1.222	1.068	0.943	1.621724248	0	2096.190445	3	699.4008179	-1.214086594	66.4083164
													ATEDVLVK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.725	1.05452323	0	1332.813888	2	666.9103394	-0.364611344	53.97911896
													QDPSEEK	1	1	2xTMT6plex [N-Term; K7]	-	1.225	-	1.549806237	0	1290.694167	3	430.9029236	0.039259458	37.34197009
4502899	CLTA	clathrin light chain A isoform a	20.18348624	4	5	4	218	23.647	4.53	1.407	1.581	1.647														
													QDEQLQK	1	1	2xTMT6plex [N-Term; K7]	-	1.626	-	1.582085013	0	1346.768	2	673.8880005	0.537499081	34.73094557
													LCDFNPK	2	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	1.524	1.526	0.996546566	0	1351.744429	2	676.3760986	0.363970892	59.39211519
													LEALDANSR	1	1	1xTMT6plex [N-Term]	-	-	1.849	0.974494994	0	1217.668731	2	609.3375854	-0.68740499	49.04781644
													AAEEAFVNDIDESSPGTEWER	1	1	1xTMT6plex [N-Term]	1.407	-	-	0.994618773	0	2581.189171	3	861.0633545	-5.29244179	80.44938671
4502901	CLTB	clathrin light chain B isoform a	22.74881517	5	8	5	211	23.167	4.69	0.83	0.903	1.017														
													ASEEAFVK	2	1	2xTMT6plex [N-Term; K8]	-	1.036	1.082	0.98700273	0	1338.766938	2	669.8867798	-0.489196192	48.63943232
													EETPGTEWEK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.397	1.447059751	0	1663.857938	2	832.4316406	-1.161691726	49.49783903
													VAQLCDFNPK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	0.885	0.898	1.546122909	0	1649.908534	3	550.6413574	0.597188029	67.86179721
													RLQELDAASK	1	1	2xTMT6plex [N-Term; K10]	0.837	-	-	1.352880597	1	1588.942276	3	530.3195801	1.202469343	45.51227574
													LTQEPESIRK	2	1	2xTMT6plex [N-Term; K10]	0.825	0.891	-	1.059415936	1	1658.984141	3	553.666748	0.934174467	45.23680149
568815719	CLTC	clathrin heavy chain 1 isoform 2	40.55985706	48	122	48	1679	191.936	5.69	1.584	1.654	1.616														
													NNRPSEGPLQTR	1	1	1xTMT6plex [N-Term]	1.669	-	-	0.741476178	0	1597.860782	3	533.2922974	0.974058479	25.31613162
													HELIEFR	3	1	1xTMT6plex [N-Term]	-	2.004	2.009	1.559206724	0	1172.662524	3	391.5592651	0.612571939	47.52850513
													EAIDSYIK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.579	0.924724638	0	1396.808803	3	466.2736816	-1.654469903	59.16484364
													VSQPIEGHAASFAQFK	1	1	2xTMT6plex [N-Term; K16]	1.652	-	-	1.207015753	0	2175.196259	3	725.7385254	2.190134272	59.95297872

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NNLAGAEELFAR	2	1	1xTMT6plex [N-Term]	1.963	-	1.879	1.305121899	0	1533.822272	3	511.9447937	-1.593311383	69.93280482
													LLLPWLEAR	2	1	1xTMT6plex [N-Term]	1.789	-	1.953	0.98518163	0	1339.829923	2	670.4180908	-0.760118398	99.04640305
													VAANAPK	3	1	2xTMT6plex [N-Term; K7]	1.695	1.864	1.728	1.139446497	0	1128.714115	2	564.8599243	-1.366650038	34.87304217
													LLYNNVSNFGR	1	1	1xTMT6plex [N-Term]	-	1.139	-	0.777710676	0	1525.832443	2	763.4198608	0.001671014	67.65010498
													FQSVPAQPGQTSPLLQYFGILLDQGQLNK	3	1	2xTMT6plex [N-Term; K29]	1.201	-	1.204	1.852919698	0	3646.004488	3	1216.005249	-0.903572581	106.7560063
													AVNYFSK	1	1	2xTMT6plex [N-Term; K7]	-	1.283	-	0.955561578	0	1286.750894	2	643.880249	1.808801444	57.59738997
													YESLELCRPVLQQGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.569	1.279803157	0	2077.106175	3	693.0412598	1.469109722	59.10787961
													EVCFACVDGK	1	1	2xTMT6plex [N-Term; K10]; 2xCarbamidomethyl	-	-	1.954	1.098306894	0	1642.83332	2	821.9213257	1.250630336	60.53827571
													VIQCFAETGQVQK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.48	1.439	-	1.438734055	0	1966.083203	2	983.5440063	-1.254959446	71.42432378
													EHLELFWSR	3	1	1xTMT6plex [N-Term]	1.186	1.446	1.244	1.286211491	0	1445.773865	3	482.5968323	1.437642651	71.88512104
													LASTLVHLGEYQAAVDGAR	2	1	1xTMT6plex [N-Term]	1.554	-	1.458	1.721795201	0	2200.192347	3	734.0690918	0.170680816	79.6844439
													FNALFAQGNYSEAAK	4	1	2xTMT6plex [N-Term; K15]	-	1.413	1.464	2.004609585	0	2089.111861	3	697.041748	-0.559931422	79.82941267
													ISGETIFVTAPHEATAGIIGVNR	2	1	1xTMT6plex [N-Term]	1.121	-	1.171	1.574609399	0	2582.413967	3	861.4726563	-4.085715976	82.67373748
													VGEQAQVVIIDMNDPSNPIR	2	1	1xTMT6plex [N-Term]	1.218	-	1.13	1.397523403	0	2424.275424	3	808.758728	-5.689682711	84.98597471
													KFDVNTSAVQVLIEHIGNLDR	1	1	2xTMT6plex [N-Term; K1]	1.56	-	-	0.973326147	1	2826.587798	4	707.402832	0.601681293	96.75991444
													SVQNHNNK	1	1	2xTMT6plex [N-Term; K8]	-	1.535	-	1.263389349	0	1398.785382	3	466.9332275	-0.180515764	29.13067554
													DAMQYASESK	1	1	2xTMT6plex [N-Term; K10]	-	1.356	-	0.911065161	0	1587.808879	2	794.4078979	-0.2264892	53.85842236
													RPISADSAIMNPASK	3	1	2xTMT6plex [N-Term; K15]	1.658	1.618	1.587	1.873570919	0	2016.131216	3	672.7144165	-1.249739234	55.4314637
													RPISADSAIMNPASK	2	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M10]	1.621	1.675	-	2.275411844	0	2032.126131	3	678.0471191	0.331314019	47.56468189
													ADDPSSYMEVVQAANTSGNWEELVK	2	1	2xTMT6plex [N-Term; K25]	1.006	-	1.743	2.373196363	0	3198.566529	3	1066.854614	-5.389775828	95.85256873
													ADDPSSYMEVVQAANTSGNWEELVK	2	1	2xTMT6plex [N-Term; K25]; 1xOxidation [M8]	0.684	1.207	-	2.354645014	0	3214.561444	3	1072.18689	-4.768421744	91.68898163
													LAELEEFINGPNNAHIQQVGDR	3	1	1xTMT6plex [N-Term]	1.589	1.227	-	2.134004593	0	2693.384457	3	898.4656982	-0.711277379	91.72303774
													DPELWGSVLLESNPYR	6	1	1xTMT6plex [N-Term]	1.963	1.382	1.666	1.76684463	0	2104.091236	3	702.0331421	-3.023932784	96.10180477
													LDASESLR	1	1	1xTMT6plex [N-Term]	1.042	-	-	0.995806694	0	1119.620719	2	560.3140259	0.050559812	45.64401965
													CNEPAVWSQLAK	6	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.676	1.636	1.737	1.964517117	0	1861.004225	2	931.006897	1.231821659	71.9299042
													HDVVFLITK	4	1	2xTMT6plex [N-Term; K9]	1.833	1.706	1.702	1.566226602	0	1529.945571	2	765.4754028	-1.334593842	72.22612752
													ALEHFTDLYDIK	2	1	2xTMT6plex [N-Term; K12]	1.821	-	1.633	2.134612799	0	1923.062785	3	641.6933594	1.424605073	80.67640982
													VANVELYYR	2	1	1xTMT6plex [N-Term]	1.491	1.854	-	0.990183055	0	1355.752067	2	678.3792114	-0.679164325	61.66791098
													TSIDAYDNFDNISLAQR	5	1	1xTMT6plex [N-Term]	1.408	1.49	1.211	1.926485419	0	2172.077042	3	724.6977539	0.767200572	77.51724571
													LHIIEVGTPPTGNQPFPK	3	1	2xTMT6plex [N-Term; K18]	1.592	1.695	1.977	1.082688689	0	2403.380037	3	801.7982788	0.102483077	79.72081426
													AVDVFFPPEAQNDFPVAMQISEK	2	1	2xTMT6plex [N-Term; K23]	1.85	1.863	-	1.877256751	0	3037.574515	3	1013.196716	0.355706757	98.55541351
													AVDVFFPPEAQNDFPVAMQISEK	1	1	2xTMT6plex [N-Term; K23]; 1xOxidation [M18]	-	1.312	-	1.510073423	0	3053.56943	3	1018.530762	2.718692481	97.0985173
													FDVNTSAVQVLIEHIGNLDR	3	1	1xTMT6plex [N-Term]	2.153	1.937	2.357	2.841384411	0	2469.329903	3	823.7813721	-0.137534908	100.6050028
													YHEQLSTQSLIELFESFK	2	1	2xTMT6plex [N-Term; K18]	1.812	1.633	-	1.130963802	0	2657.422689	3	886.4783936	-0.775923208	101.8840671
													LPVVIGGLLDVDCSEDVIK	3	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.727	1.969	1.542	2.514493704	0	2499.414433	3	833.8093262	-0.40328421	102.3986403
													NLILVVR	1	1	1xTMT6plex [N-Term]	-	-	1.112	1.278009892	0	1055.713831	2	528.3605957	0.079203519	70.23192249
													IYIDSNNNPER	2	1	1xTMT6plex [N-Term]	-	1.759	1.693	2.210454702	0	1563.796451	2	782.401062	-1.025355034	55.16272594
													RPLIDQVVQTALSETQDPEEVSVTVK	1	1	2xTMT6plex [N-Term; K26]	-	1.219	-	1.197094798	0	3339.841171	5	668.7749023	1.267814406	96.24844203
													LLEMNLMHAPQVADAILGNQMFTHYDR	1	1	1xTMT6plex [N-Term]	-	1.043	-	1.143092036	0	3357.674373	4	840.1748657	0.970865624	98.36715659
													SVNESLNNLFITEEDYQALR	1	1	1xTMT6plex [N-Term]	-	-	1.549	0.863680899	0	2584.309227	3	862.1087036	0.901974044	92.16501091
													LECSEELGDLVK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.085	1.725	-	1.576075554	0	1849.998136	2	925.5003052	-2.596034203	78.82734096
													NLQNLLILTAIK	4	1	2xTMT6plex [N-Term; K12]	1.632	1.689	1.657	1.215135098	0	1812.172276	3	604.729248	0.504748162	100.4284743
													AHIAQLCEK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.81	1.893	-	1.099809051	0	1527.871754	3	509.9620972	-0.010521887	43.02851838
													TLQIFNIEMK	6	1	2xTMT6plex [N-Term; K10]	1.594	1.63	1.596	1.541247129	0	1694.991535	2	848.000061	0.773290182	93.71346115
													AFMTADLPNELIELLEK	1	1	2xTMT6plex [N-Term; K17]	-	1.601	-	0.896703124	0	2405.340205	3	802.4519043	0.396705058	108.4562195
													AFMTADLPNELIELLEK	3	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M3]	1.647	2.015	2.011	1.180125237	0	2421.33512	2	1211.168335	-2.36527694	106.2768808
													GQFSTDELVAEVEK	6	1	2xTMT6plex [N-Term; K14]	1.966	1.812	1.841	2.430739164	0	2010.079557	2	1005.540771	-2.632269569	79.9252342
													VGYTPDWIFLLR	1	1	1xTMT6plex [N-Term]	-	1.704	-	1.13157773	0	1708.962394	2	854.9851685	0.389870523	100.8460195
355594753	CLU	clusterin preproprotein	4.899777283	2	2	2	449	52.461	6.27	-	1.245	-														
													EIQNAVNGVK	1	1	2xTMT6plex [N-Term; K10]	-	1.031	-	1.4793818	0	1529.905163	2	765.4537964	-3.167795417	52.10683189
													ASSIIDELFQDR	1	1	1xTMT6plex [N-Term]	-	1.443	-	1.866324663	0	1622.858717	2	811.9298706	-3.85254058	95.47049306
7706497	CMPK1	UMP-CMP kinase isoform a	22.80701754	4	16	4	228	25.838	7.97	1.412	1.478	1.369														
													IVPVEITISLLK	4	1	2xTMT6plex [N-Term; K12]	1.572	1.488	1.477	1.783015847	0	1783.170879	3	595.0617065	-0.175446502	103.636237
													YGYTHLSAGELLR	2	1	1xTMT6plex [N-Term]	0.885	-	1.088	1.992255807	0	1708.921986	3	570.3113403	-1.473416532	61.84430965
													NPDSQYGELIEK	5	1	2xTMT6plex [N-Term; K12]	1.502	1.452	1.468	1.396446943	0	1850.990014	2	925.9993286	0.73818689	63.06255667
													SVDEVFDEVVQIFDK	5	1	2xTMT6plex [N-Term; K15]	1.666	1.535	1.688	1.517516255	0	2227.189836	2	1114.099976	1.274467865	106.6321201
4827071	CNBP	cellular nucleic acid-binding protein isoform 3	41.8079096	7	18	7	177	19.45	7.71	1.645	1.648	1.796														
													DCDLQEDACYNCGR	2	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	1.576	-	1.869	0.761986375	0	2004.804726	2	1002.904419	-1.578637228	39.77285826
													CGESGHLAK	5	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.68	1.657	1.802	1.977957726	0	1416.766955	2	708.8875732	0.645783255	26.83376126
													TSEVNCYR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.102	-	-	0.845069408	0	1257.609502	2	629.3092041	1.295619286	27.67872784
													DCDHADEQK	4	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.54	1.631	2.238	1.584809184	0	1575.747342	3	525.9202271	-0.770217169	21.86338595
													CGETGHVAINCSK	4	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	1.501	1.736	1.68	1.925247192	0	1890.956623	2	945.9790039	-3.115807855	36.11126366
													CYSCGEFGHIQK	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	-	2.137	-	1.144291043	0	1943.950809	3	648.6548462	-0.42392831	50.98727618
													CGESGHLAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.112	-	1.223419905	0	1215.610171	3	405.8749084	0.000947505	28.81870163
271398239	CNDP2	cytosolic non-specific dipeptidase isoform 1	31.36842105	11	34	11	475	52.845	5.97	0.801	0.784	0.745														
													LPDGSEIPLPPILLGR	4	1	1xTMT6plex [N-Term]	0.876	0.821	0.803	2.117403984	0	1916.141815	2	958.572876	-1.74279213	100.9130834
													TGQEIPVNVR	1	1	1xTMT6plex [N-Term]	-	-	0.889	1.306405425	0	1341.76878	2	671.3880005	-0.041224269	52.4081834
													MLAAYLYEVSQLK	4	1	2xTMT6plex [N-Term; K13]	-	0.732	0.791	1.621445537	0	1987.133842	3	663.0498047	0.512840393	101.4957323
													MLAAYLYEVSQLK	1	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M1]	-	0.661	-	1.198685646	0	2003.128757	3	668.3825684	2.194116634	97.44412339
													WVAIQSVSAWPEK	3	1	2xTMT6plex [N-Term; K13]	0.728	0.737	0.712	2.259622335	0	1959.110404	3	653.7084961	0.270960355	91.81655085
													NVMLLPVGSADDGAHSQNEK	3	1	2xTMT6plex [N-Term; K20]	0.905	0.897	0.973	1.225800991	0	2540.317907	3	847.444458	0.35981065	66.21231921
													LYDDIDFDIEEFAK	2	1	2xTMT6plex [N-Term; K14]	0.902	-	0.859	1.521686554	0	2191.121088	3	731.0455322	0.436123632	98.66074429

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													YNYIEGTK	2	1	2xTMT6plex [N-Term; K8]	0.859	0.904	-	1.19841373	0	1445.804052	3	482.6061096	-0.190905938	52.6760283
													GNILIPGINEAVAAVTEEEHK	4	1	2xTMT6plex [N-Term; K21]	0.603	0.69	0.594	2.309370518	0	2662.481601	3	888.1653442	-0.045714929	96.7945196
													LVPNMTPEVVGEQVTSYLTK	3	1	2xTMT6plex [N-Term; K20]	0.716	0.813	0.948	2.933094025	0	2663.47301	3	888.4957886	-0.074300488	99.2808022
													LVPNMTPEVVGEQVTSYLTK	1	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M5]	-	-	0.82	1.395967603	0	2679.467925	3	893.8267212	-0.863994586	94.46582008
													QLGGSVELVDIGK	5	1	2xTMT6plex [N-Term; K13]	0.828	0.835	0.634	2.314353704	0	1773.052221	2	887.0293579	-0.440714424	79.48402633
													RGNILIPGINEAVAAVTEEEHK	1	1	2xTMT6plex [N-Term; K22]	-	-	1.138	1.356956005	1	2818.582712	4	705.4015503	0.588647574	88.92545215
116642889	CNGB3	cyclic nucleotide-gated cation channel beta-3	1.483312732	1	2	1	809	92.108	7.93	-	0.678	0.665														
													SVLYLPGDFVCK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	0.678	0.665	1.748518467	0	1856.039213	2	928.5196533	-3.870300435	67.76678159
746576376	CNN2	calponin-2 isoform d	18.48484848	5	6	4	330	35.92	7.3	0.558	0.677	0.55														
													TWIEGLTGLSIGPDFQK	1	1	2xTMT6plex [N-Term; K17]	0.558	-	-	1.698554754	0	2320.295304	3	774.1033936	0.139298676	98.6731048
													LQPGSVPK	1	1	2xTMT6plex [N-Term; K8]	-	0.713	-	1.149640083	0	1283.808743	2	642.4087524	1.156794437	49.79899942
													GPSYGLSAEVK	2	2	2xTMT6plex [N-Term; K11]	-	0.534	0.757	1.735346794	0	1565.893929	2	783.4507446	0.181019804	57.89326588
													AGQCVIGLQMGTNK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M10];	-	0.634	-	1.50148356	0	1951.050523	2	976.0264893	-2.471286272	68.27333676
													GLQSGVDIGVK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.55	0.986837268	0	1530.925564	2	765.9656982	-0.943093289	61.61297681
4502923	CNN3	calponin-3 isoform 1	6.686930091	2	3	1	329	36.391	6.05	-	1.197	-														
													GPSYGLSAEVK	2	2	2xTMT6plex [N-Term; K11]	-	0.534	0.757	1.735346794	0	1565.893929	2	783.4507446	0.181019804	57.89326588
													DGIILCELINK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.197	-	1.501029134	0	1746.023563	3	582.6797485	0.646592344	94.37551173
313482818	CNOT2	CCR4-NOT transcription complex subunit 2	2.037037037	1	1	1	540	59.7	7.66	-	1.12	-														
													SSTTQNNNQQK	1	1	2xTMT6plex [N-Term; K11]	-	1.12	-	0.877945065	0	1707.902596	3	569.9725342	0.265266335	21.37660627
85067507	CNOT7	CCR4-NOT transcription complex subunit 7 isoform 1	3.50877193	1	2	1	285	32.724	4.84	1.183	1.083	-														
													LFFPVIYDVK	2	1	2xTMT6plex [N-Term; K10]	1.183	1.083	-	1.552887082	0	1699.023487	2	850.0146484	-0.863187008	101.5046183
7657176	CNPY2	protein canopy homolog 2 isoform 1 precursor	43.95604396	7	20	7	182	20.639	4.92	0.757	0.741	0.771														
													INPDGSQSVVEVPYAR	4	1	1xTMT6plex [N-Term]	0.746	0.698	0.561	1.748582959	0	1960.033721	3	654.0178833	2.742729519	65.53809428
													SEAHLTELLEEICDR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.718	-	-	1.463516235	0	2044.021836	3	682.0109863	-1.678067017	83.81512043
													EYGEQIDPSTHR	3	1	1xTMT6plex [N-Term]	0.843	0.776	0.817	1.324875355	0	1660.812829	3	554.276062	0.48388665	38.07778106
													EYGEQIDPSTHRK	1	1	2xTMT6plex [N-Term; K13]	0.774	-	-	1.711491108	1	2018.070724	4	505.2726746	-0.919560346	34.68163144
													IDSDISGTLK	2	1	2xTMT6plex [N-Term; K10]	0.652	0.655	-	1.475705266	0	1506.877945	2	753.9418945	-0.950513281	64.38447019
													SQDLHCGACR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.766	0.853	0.854	1.147979021	0	1432.662283	2	716.8339844	-1.110485017	20.92689627
													ALVDELEWEIAQVDPK	6	1	2xTMT6plex [N-Term; K16]	0.832	0.744	0.817	2.260206223	0	2313.274234	4	579.0739746	-0.071678704	101.931312
974005396	CNPY3	protein canopy homolog 3 isoform 3 precursor	2.572347267	1	1	1	311	34.107	5.25	-	-	0.8														
													SAFEETGK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.8	0.892359555	0	1326.730552	2	663.8685913	-0.487177152	42.48395723
325197106	COG3	conserved oligomeric Golgi complex subunit 3	1.93236715	1	1	1	828	94.01	5.57	-	-	1.02														
													TYTVNTLQTLTSQLLK	1	1	2xTMT6plex [N-Term; K16]	-	-	1.02	1.256017327	0	2282.337169	3	761.4489136	-2.18263428	98.83454713
240849531	COG5	conserved oligomeric Golgi complex subunit 5 isoform 1	1.744186047	1	1	1	860	94.842	6.6	-	0.918	-														
													EFAPVYPIMVQLLQK	1	1	2xTMT6plex [N-Term; K15]	-	0.918	-	0.933989882	0	2234.302304	3	745.4393921	0.59036753	104.0491744
93141047	COL12A1	collagen alpha-1(XII) chain long isoform precursor	0.718250082	2	3	2	3063	332.941	5.53	1.453	1.014	1.222														
													VEDIIEAINTFPYR	2	1	1xTMT6plex [N-Term]	1.453	-	1.222	0.839131296	0	1909.026845	2	955.0164795	-0.608800043	100.5585666
													NADEVELK	1	1	2xTMT6plex [N-Term; K8]	-	1.014	-	1.267040849	0	1375.783316	2	688.3960571	1.105899305	48.82322176
119829187	COL17A1	collagen alpha-1(XVII) chain	7.748830995	10	17	10	1497	150.326	8.79	0.658	0.604	0.75														
													IGLHSDSQEELWMFVR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M13]	0.765	-	-	1.399178386	0	2192.100755	3	731.3699341	-2.51168834	78.94697645
													WTELDDVK	1	1	2xTMT6plex [N-Term; K8]	0.759	-	-	1.677298188	0	1463.814616	2	732.4112549	0.421409664	68.84788413
													RDGTEVTER	1	1	1xTMT6plex [N-Term]	0.465	-	-	1.508661032	1	1291.680359	3	431.2315979	-0.091445865	20.16592618
													GAMGPAGPDGHQGPR	1	1	1xTMT6plex [N-Term]	0.794	-	-	0.800790846	0	1633.806638	3	545.2735596	-0.313959468	26.28756158
													GAMGPAGPDGHQGPR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	0.67	0.712	-	1.079969645	0	1649.801553	3	550.6055298	0.292577897	22.59190964
													LLSTDASHSR	2	1	1xTMT6plex [N-Term]	0.651	0.582	-	1.433624864	0	1315.716744	2	658.3627319	1.096860091	34.25857091
													IVTETVTTR	1	1	1xTMT6plex [N-Term]	-	0.379	-	1.212463021	0	1248.736083	2	624.8723145	1.016793114	47.12709806
													DRLQGMAPAAGADLDK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M6]	0.315	-	-	1.399702191	1	2103.126859	3	701.7123413	-2.086633148	48.21499227
													GEQGLTGMPGIR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	0.872	0.801	0.953	1.593413115	0	1460.772879	2	730.8905029	0.58196547	51.46570284
													SELISYLTSPDVR	3	1	1xTMT6plex [N-Term]	0.736	0.699	0.73	1.167131901	0	1708.931882	3	570.3135986	-3.299705286	87.28757551
													EFASSSTR	1	1	1xTMT6plex [N-Term]	-	-	0.665	1.280661345	0	1113.573768	2	557.2902222	-0.53937519	30.98123199
110349772	COL1A1	collagen alpha-1(I) chain preproprotein	1.707650273	3	3	3	1464	138.827	5.8	-	0.862	2.16														
													GDRGDAGPK	1	1	2xTMT6plex [N-Term; K9]	-	-	2.16	1.534780502	1	1330.747934	3	444.2541809	0.041874654	25.82939753
													GAAGEPGK	1	1	2xTMT6plex [N-Term; K8]	-	0.583	-	0.925706327	0	1144.672644	2	572.8399658	0.009933517	38.13556123
													GADGSPGK	1	1	2xTMT6plex [N-Term; K8]	-	2.03	-	1.150253177	0	1146.651908	2	573.829895	0.527822836	24.97257956
116256354	COL4A2	collagen alpha-2(IV) chain preproprotein	1.285046729	2	5	2	1712	167.449	8.66	1.519	1.602	1.613														
													SVSIGYLLVK	3	1	2xTMT6plex [N-Term; K10]	1.556	1.602	1.639	0.800989747	0	1536.976537	2	768.987915	-5.194088319	91.71137512
													GLDGYQGPDGPR	2	1	1xTMT6plex [N-Term]	1.313	-	1.557	1.58968854	0	1460.733122	2	730.8707886	0.806545987	45.16710936
4502961	COL7A1	collagen alpha-1(VII) chain precursor	2.751358696	6	9	6	2944	295.041	6.27	1.101	1.048	0.949														
													TAPEPVGR	2	1	1xTMT6plex [N-Term]	-	1.048	0.804	2.03174305	0	1055.604675	2	528.3057251	-0.474642354	28.47881874
													SQDLVDTAAQR	2	1	1xTMT6plex [N-Term]	1.173	-	1.032	1.693006396	0	1432.759337	2	716.8844604	1.610304241	39.01644878
													SFLEGLVLPFSGAASAQGVR	2	1	1xTMT6plex [N-Term]	0.899	-	1.019	1.367296219	0	2235.233483	3	745.7492065	-0.186459758	100.8885042
													GPEASVTQTPVCPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.866	1.1530478	0	1727.894785	2	864.4505615	-0.543154093	44.72431885
													VVQSQGTGTAQD	1	1	1xTMT6plex [N-Term]	0.975	-	-	1.234652758	0	1419.727703	2	710.3668213	-0.941484675	32.19958573
													TEFGLDALGSGGDVIR	1	1	1xTMT6plex [N-Term]	-	-	1.466	0.982857883	0	1835.970058	3	612.661438	-0.16190632	85.06337706
31377697	COLGALT1	procollagen galactosyltransferase 1 precursor	8.360128617	6	8	6	622	71.59	7.31	0.794	0.721	1.97														
													SYPDEEGPK	3	1	2xTMT6plex [N-Term; K9]	0.794	0.595	-	1.47768259	0	1479.773145	2	740.3900757	-0.182874526	39.02397395
													HPVSEYK	1	1	2xTMT6plex [N-Term; K7]	-	0.767	-	1.085707068	0	1317.756708	3	439.9238892	0.30859298	30.33068498
													EWLVAVK	1	1	2xTMT6plex [N-Term; K7]	-	0.793	-	1.180728912	0	1302.81858	2	651.9133301	0.617082273	79.46158712
													EEYGFLPVPLR	1	1	1xTMT6plex [N-Term]	-	0.554	-	0.923062265	0	1548.862346	2	774.9344482	-0.46859918	89.22923111
													HPPAEPSR	1	1	1xTMT6plex [N-Term]	-	0.672	-	1.371929526	0	1119.610823	3	373.8752136	0.236697552	30.0893862
													ALQAQEIECR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.97	1.019445419	0	1446.757229	2	723.8817749	-0.660639735	47.65643715
40217843	COMP	cartilage oligomeric matrix protein precursor	3.038309115	1	1	1	757	82.808	4.6	-	0.652	-														

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QMEQTYWQANPFRAVAEPGIQLK	1	1	2xTMT6plex [N-Term; K23]	-	0.652	-	1.475062251	1	3163.676295	3	1055.227173	-2.94896963	103.4422501
148536855	COPA	coatomer subunit alpha isoform 1	12.89537713	13	24	13	1233	139.235	7.59	1.473	1.237	1.457														
													CLFTLLGHLDYIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.259	-	-	0.887666404	0	1850.019592	3	617.3450317	0.513726908	97.30120721
													SILLSVPLLVVDNK	4	1	2xTMT6plex [N-Term; K14]	1.477	1.464	1.656	1.58841455	0	1968.25092	2	984.6290894	-0.009281877	102.9959842
													VTTVTEIGK	3	1	2xTMT6plex [N-Term; K9]	1.295	1.504	1.372	1.329394698	0	1405.866652	2	703.4360962	-1.234894636	56.48649527
													DADSITLFDVQQK	2	1	2xTMT6plex [N-Term; K13]	1.47	-	1.402	1.974680066	0	1938.058428	3	646.6903687	-0.967665856	78.66475145
													VLTIDPTEFK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.625	1.196200609	0	1620.96128	2	810.9801025	-5.152493138	90.94087677
													LLQPPAPIMPLDTNWPLLTVSK	3	1	2xTMT6plex [N-Term; K22]	1.172	1.141	-	1.468835831	0	2902.688029	4	726.4273682	-0.133029711	105.8156663
													DADSQNPDAPEGK	1	1	2xTMT6plex [N-Term; K13]	1.699	-	-	1.641738057	0	1801.896842	2	901.4515381	-0.578583691	32.99250113
													GYPEVALHFVK	1	1	2xTMT6plex [N-Term; K11]	1.717	-	-	0.991483629	0	1718.004148	3	573.3397827	0.376340495	74.83091754
													LLELGPKPEVAQQTR	3	1	2xTMT6plex [N-Term; K7]	1.555	1.414	1.384	1.276713371	0	2137.274509	3	713.0955811	-1.085183923	66.41059489
													FEEAVEK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.897	1.339722395	0	1309.740389	2	655.3745728	1.130077247	52.23054947
													YAVTTGDHGIIR	2	1	1xTMT6plex [N-Term]	-	1.022	1.359	1.144168496	0	1531.843007	3	511.285675	-0.349431053	45.39950664
													NLSPGAVESDVR	1	1	1xTMT6plex [N-Term]	-	1.279	-	0.714176595	0	1472.790637	2	736.8983765	-0.78823852	51.75517075
													QLDFNSSK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.984	0.948534191	0	1396.783651	2	698.8955688	0.150735808	52.0190247
221316630	COPB1	coatomer subunit beta	10.70304302	9	15	9	953	107.074	6.05	1.54	1.673	1.595														
													FVLPLQDHTIK	1	1	2xTMT6plex [N-Term; K11]	1.597	-	-	1.000025153	0	1769.072562	3	590.3618164	-0.941872756	77.94350195
													MLEVFHAIK	2	1	2xTMT6plex [N-Term; K9]	1.532	1.43	-	1.687390924	0	1545.922727	3	515.9783325	-1.476588297	78.32108645
													TLQLALDLVSSR	1	1	1xTMT6plex [N-Term]	1.592	-	-	1.188883662	0	1544.920923	2	772.9645386	0.567943915	95.12802191
													SLGEIPIVESEIK	2	1	2xTMT6plex [N-Term; K13]	1.503	-	1.607	1.609055042	0	1872.109401	2	936.5582886	-0.053710303	89.29487286
													TNNVSEHEDTDK	2	1	2xTMT6plex [N-Term; K12]	-	2.033	1.892	1.100645423	0	1846.918306	3	616.3114014	0.728273448	26.20938021
													DLQHPNEFIR	2	1	1xTMT6plex [N-Term]	1.343	-	1.387	1.307026386	0	1497.801142	3	499.9382629	-0.605435271	49.98827354
													EAGELKPEEEITVGPVQK	2	1	3xTMT6plex [N-Term; K6; K18]	1.606	-	1.487	1.318759084	0	2640.506308	3	880.8406372	0.397613553	68.44199405
													ESDNNVK	1	1	2xTMT6plex [N-Term; K7]	-	1.828	-	1.139733434	0	1263.694501	2	632.3516846	1.259260544	25.84005105
													NVEELVIVLK	2	1	2xTMT6plex [N-Term; K10]	-	1.768	-	2.395734549	0	1614.024215	2	807.5150757	-0.830416793	95.47331321
4758032	COPB2	coatomer subunit beta'	5.187637969	4	4	4	906	102.422	5.27	0.994	1.066	1.505														
													AMGDAEIK	1	1	2xTMT6plex [N-Term; K8]	-	1.374	-	1.643624067	0	1292.728444	2	646.8684692	0.942151902	47.37126012
													TMYLLGYIPK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.505	0.606087506	0	1656.979907	3	552.9984131	0.469853502	94.87579228
													QYPLVTPNEER	1	1	1xTMT6plex [N-Term]	0.994	-	-	1.554953933	0	1574.837587	2	787.9213867	-1.327490858	51.0247992
													VWQLGSSSPNFTLEGHEK	1	1	2xTMT6plex [N-Term; K18]	-	0.825	-	1.151313543	0	2474.307994	3	825.4401855	-0.804535805	77.58359701
31542319	COPE	coatomer subunit epsilon isoform a	17.85714286	3	6	3	308	34.46	5.12	1.377	1.391	1.441														
													LQDAYYIFQEMADK	1	1	2xTMT6plex [N-Term; K14]	1.364	-	-	1.123650551	0	2193.130213	3	731.7156982	1.061809531	100.2723022
													WEAAEGLLQEALDK	4	1	2xTMT6plex [N-Term; K14]	1.381	1.411	1.441	1.53026998	0	2031.116277	3	677.7081909	-3.080968905	100.1924641
													DSGYPETLVNLIVLSQHLGKPPEVTNR	1	1	2xTMT6plex [N-Term; K20]	-	1.341	-	0.639463246	0	3434.904774	4	859.4827881	1.32411349	97.87813574
11559929	COPG1	coatomer subunit gamma-1	19.10755149	13	21	12	874	97.655	5.47	1.428	1.427	1.387														
													QLEEEDGSR	3	1	1xTMT6plex [N-Term]	1.281	1.275	1.279	1.517022848	0	1291.63274	2	646.3191528	-1.324374867	25.85730618
													ILHLLGQEGPK	2	1	2xTMT6plex [N-Term; K11]	1.518	1.576	-	2.550877571	0	1663.030697	3	555.0147095	-0.674829414	70.32529066
													ELAPAVSVLQLFCSSPK	3	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.339	-	1.397	1.70338881	0	2304.303761	4	576.8306885	-1.231045923	101.8351381
													FGAQNEEMLPSILVLLK	3	1	2xTMT6plex [N-Term; K17]	1.487	1.33	1.597	1.626615405	0	2360.366361	3	787.4592285	-1.367738152	105.106194
													EMSCIAEDVIIVTSSLTK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	-	1.716	-	1.628081441	0	2454.323569	3	818.7786865	-0.840561413	106.1798035
													TESTPITAVK	1	1	2xTMT6plex [N-Term; K10]	-	1.455	-	1.855570912	0	1504.89868	2	752.9537354	1.005963488	51.49173558
													TLEEAVGNIVK	2	1	2xTMT6plex [N-Term; K11]	1.543	1.281	-	0.990768731	0	1630.977993	2	815.993042	0.499243018	78.45291506
													TGSESSIDR	1	1	1xTMT6plex [N-Term]	-	1.38	-	1.095811486	0	1180.600711	2	590.8042603	0.451115951	25.6401222
													VVLEHEEVR	1	1	1xTMT6plex [N-Term]	-	1.673	-	2.318623066	0	1338.757881	3	446.9240723	-0.16216011	39.2683687
													DEESGGGSNPFQHLEK	1	1	2xTMT6plex [N-Term; K16]	-	1.066	-	0.959469974	0	2189.087496	3	730.3658447	-2.062649538	56.79346318
													SLEELPVDIILASVG	1	1	1xTMT6plex [N-Term]	1.234	-	-	1.208125949	0	1784.025448	3	595.347229	0.945138827	110.4893206
													AIVDCIISIIEENSESK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	-	1.544	1.933597207	0	2378.288898	3	793.4344482	-0.044953932	108.4142637
													SAVLQEAR	1	2	1xTMT6plex [N-Term]	-	0.94	-	1.030757189	0	1102.641788	2	551.8248901	0.648708806	44.982441
109134349	COPG2	coatomer subunit gamma-2 isoform 1	2.985074627	2	2	1	871	97.56	5.81	-	1.527	-														
													FGAQNESLLPSILVLLQR	1	1	1xTMT6plex [N-Term]	-	1.527	-	2.576478004	0	2227.301169	3	743.1056519	0.553816621	105.5329887
													SAVLQEAR	1	2	1xTMT6plex [N-Term]	-	0.94	-	1.030757189	0	1102.641788	2	551.8248901	0.648708806	44.982441
219842262	COPS2	COP9 signalosome complex subunit 2 isoform 2	6	2	3	2	450	52.371	5.47	0.973	1.379	0.934														
													IDQVNQLLELDHQK	2	1	2xTMT6plex [N-Term; K14]	0.973	-	0.934	1.276949525	0	2151.217388	3	717.7398071	-5.820022351	81.26860047
													SINSILDYISTSK	1	1	2xTMT6plex [N-Term; K13]	-	1.379	-	1.377887845	0	1899.083915	3	633.7004395	1.500997062	96.39086608
23238222	COPS3	COP9 signalosome complex subunit 3 isoform 1	7.56501182	2	2	2	423	47.842	6.65	1.282	0.936	-														
													YATDTFAGLCHQLTNALVER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.936	-	0.700463593	0	2509.270673	3	837.0948486	-0.271322488	91.19003316
													DGMVSFHDNPEK	1	1	2xTMT6plex [N-Term; K12]	1.282	-	-	1.644623041	0	1833.920555	3	611.9787598	0.638810047	48.55980775
38373690	COPS4	COP9 signalosome complex subunit 4 isoform 1	11.8226601	3	8	3	406	46.24	5.83	1.433	1.484	0.849														
													ATTADGSSILDR	2	1	1xTMT6plex [N-Term]	1.51	1.466	-	1.513388872	0	1435.759003	2	718.3838501	0.989612679	45.96976499
													NAAQVLVGIPLETGQK	2	1	2xTMT6plex [N-Term; K16]	1.424	1.538	-	1.335846663	0	2096.24796	3	699.420166	-0.961414472	89.5606695
													LYNNITFEELGALLEIPAAK	4	1	2xTMT6plex [N-Term; K20]	1.365	1.345	0.849	1.728031993	0	2677.521675	2	1339.257935	-4.886089064	106.5526041
38027923	COPS5	COP9 signalosome complex subunit 5	10.77844311	3	9	3	334	37.555	6.54	1.513	1.557	1.562														
													LLELLWNK	5	1	2xTMT6plex [N-Term; K8]	1.575	1.679	1.475	1.548536658	0	1486.939757	3	496.3183594	0.516231405	101.2203535
													GYKPPDEGPSEYQTIPLNK	2	1	3xTMT6plex [N-Term; K3; K19]	1.34	1.331	-	1.738224626	0	2820.538671	3	940.8492432	-1.948190914	65.42087099
													IEDFGVHCK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.499	1.619	1.500863075	0	1562.84012	3	521.618042	-0.350076397	56.64492169
12232385	COPS7B	COP9 signalosome complex subunit 7b isoform b	3.409090909	1	3	1	264	29.603	6.15	1.424	1.498	1.531														
													ECPPHAEQR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.424	1.498	1.531	1.299489856	0	1352.657849	3	451.5575256	0.128860596	19.22650849
414144870	COPZ1	coatomer subunit zeta-1 isoform 4	16.75675676	2	4	2	185	21.056	4.88	1.37	0.903	1.44														
													TDSEIALLEGLTVVYK	3	1	2xTMT6plex [N-Term; K16]	1.37	0.857	1.44	1.429552078	0	2209.273172	3	737.0950928	-1.107468157	100.6086412
													AILILDNDGDRLFAK	1	1	2xTMT6plex [N-Term; K15]	-	0.962	-	1.083206177	1	2132.24796	3	711.4203491	-0.687559208	89.28871203
300934762	CORO1A	coronin-1A	1.735357918	1	3	1	461	50.994	6.68	1.674	1.665	1.414														
													HVFGQPAK	3	1	2xTMT6plex [N-Term; K8]	1.674	1.665	1.414	1.349731922	0	1341.804326	3	447.9398804	0.567417519	40.58873455

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
65787364	CORO1B	coronin-1B	1.63599182	1	1	1	489	54.2	5.88	-	-	2.096														
													HVFGQPVK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.096	0.879741132	0	1369.835627	3	457.2835999	0.452383144	47.16507609
157412328	CORO1C	coronin-1C isoform a	9.867172676	5	8	5	527	58.91	7.75	1.43	1.252	1.494														
													NADPILISLK	3	1	2xTMT6plex [N-Term; K10]	1.488	1.458	1.432	1.104923487	0	1541.9667	3	514.6602173	-0.390160521	84.44621782
													AIFLADGNVFTTGFSR	2	1	1xTMT6plex [N-Term]	0.997	1.298	-	1.991930485	0	1945.038078	2	973.0232544	0.593401782	95.37749424
													NDQCYDDIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.38	0.923922777	0	1427.642259	2	714.324707	-0.08499153	33.78433938
													HVFGQAVK	1	1	2xTMT6plex [N-Term; K8]	-	1.18	-	0.893855155	0	1343.819977	3	448.6117249	0.479789375	42.22908789
													DTICNQDER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.979	0.76284796	0	1379.642259	2	690.3252563	0.708368641	26.310903
21624607	COTL1	coactosin-like protein	43.66197183	5	13	5	142	15.935	5.67	0.733	0.946	0.816														
													FTTGDAMSK	1	1	2xTMT6plex [N-Term; K9]	-	0.935	-	1.851390719	0	1415.760472	2	708.3843994	0.741614239	52.42453467
													FTTGDAMSK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M7]	0.672	-	0.71	1.418400645	0	1431.755387	2	716.3811035	-0.319082962	43.44682886
													AAYNLVR	1	1	1xTMT6plex [N-Term]	-	1.029	-	0.72506392	0	1035.614845	2	518.3112793	0.421550301	44.99885053
													YDGSTIVPGEQGAEYQHFIQQCTDDVR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.881	0.936	0.975	1.311913729	0	3342.553449	3	1114.853271	-2.449671187	73.0930137
													EVVQNFAK	3	1	2xTMT6plex [N-Term; K8]	0.832	0.848	0.976	1.174243569	0	1392.825121	2	696.9160156	-0.263364003	52.85782235
													AGGANYDAQTE	3	1	1xTMT6plex [N-Term]	0.848	0.923	0.967	1.5757792	0	1325.61709	2	663.3121338	-0.074404499	31.25865015
4557485	CP	ceruloplasmin precursor	0.938967136	1	1	1	1065	122.128	5.72	-	1.742	-														
													DNEDFQESNR	1	1	1xTMT6plex [N-Term]	-	1.742	-	1.648809552	0	1482.665831	2	741.836853	0.40389053	37.72844801
513126885	CPB2	carboxypeptidase B2 isoform 1 preproprotein	7.328605201	4	6	4	423	48.393	7.71	0.957	0.926	0.876														
													IAWHVIR	2	1	1xTMT6plex [N-Term]	0.981	1.05	-	1.65224278	0	1123.693764	3	375.2368469	1.978360613	53.14045949
													IHIGSSFEK	2	1	2xTMT6plex [N-Term; K9]	-	0.865	0.876	2.181627512	0	1475.862235	3	492.6257019	0.214967822	59.29523956
													AVASFLR	1	1	1xTMT6plex [N-Term]	0.804	-	-	1.091829062	0	992.6090318	2	496.8078918	-0.528615574	57.99221347
													EAFAAVSK	1	1	2xTMT6plex [N-Term; K8]	-	1.067	-	0.866612852	0	1280.761459	2	640.8842163	-0.236275702	52.7469234
56676371	CPSF1	cleavage and polyadenylation specificity factor subunit 1	0.900900901	1	3	1	1443	160.782	6.4	1.101	0.896	1.091														
													AEGGGAEEGAGAR	3	1	1xTMT6plex [N-Term]	1.101	0.896	1.091	1.875523686	0	1360.665437	2	680.8362427	-0.167571272	20.80281136
119943104	CREBBP	CREB-binding protein isoform a	0.286650287	1	1	1	2442	265.182	8.53	0.383	-	-														
													QIISHWK	1	1	2xTMT6plex [N-Term; K7]	0.383	-	-	1.069832802	0	1369.835627	3	457.2832336	-0.349634844	52.74115108
10092639	CRIM1	cysteine-rich motor neuron 1 protein precursor	4.536679537	4	4	4	1036	113.66	5.21	-	0.893	0.708														
													VCQPGNLNILVSK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.638	-	1.266728759	0	1900.109024	3	634.0402222	-1.53203635	79.85701918
													CECNTIR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.142	-	1.229120612	0	1181.560444	2	591.2837524	-0.182493573	23.60706618
													TCQCINTEELCSERK	1	1	2xTMT6plex [N-Term; K15]; 3xCarbamidomethyl	-	-	0.708	1.337187409	1	2386.156521	3	796.0560913	-1.17375964	50.71006607
													LTADGCCTLPTR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.88	-	1.086229801	0	1593.792628	2	797.4008179	1.085882916	49.69185459
399498490	CRIP2	cysteine-rich protein 2 isoform 2	6.737588652	1	2	1	282	30.202	8.22	-	1.065	1.094														
													GVNTGAVGSYIYDRDPEGK	2	1	2xTMT6plex [N-Term; K19]	-	1.065	1.094	1.757212758	1	2456.282173	3	819.4310303	-1.480135192	58.18830786
41327712	CRK	adapter molecule crk isoform a	22.03947368	5	12	5	304	33.81	5.55	1.432	1.383	1.485														
													IHYLDTTTLIEPVSR	3	1	1xTMT6plex [N-Term]	1.324	1.422	1.169	1.482363939	0	1987.106157	3	663.0404663	0.346330657	73.76016925
													IGDQEFDSLPALLEFYK	3	1	2xTMT6plex [N-Term; K17]	1.406	1.546	1.511	1.513500333	0	2443.316099	3	815.1102905	0.089706785	102.4552444
													QEEAEYVR	1	1	1xTMT6plex [N-Term]	-	1.002	-	1.500722289	0	1252.637097	2	626.8215942	-0.945975048	31.38558239
													QEAVALLQGQR	2	1	1xTMT6plex [N-Term]	1.349	1.35	-	1.997046947	0	1441.832443	2	721.4193726	-0.675538144	55.8815888
													ALFDFNGNDEEDLPFK	3	1	2xTMT6plex [N-Term; K16]	1.508	1.693	1.587	2.154141903	0	2329.175249	3	777.0645142	1.605984982	96.32849154
4885153	CRKL	crk-like protein	26.07260726	5	9	5	303	33.756	6.74	1.3	1.611	-														
													TLYDFPGNDAEDLPFK	1	1	2xTMT6plex [N-Term; K16]	-	1.565	-	1.536736846	0	2300.185085	3	767.399292	-0.766161579	93.0836163
													GLFPFTHVK	3	1	2xTMT6plex [N-Term; K9]	1.47	1.569	-	1.342110991	0	1503.908792	3	501.9762878	3.669607773	72.49488942
													YPSPPMGSVSAPNLPTAEDNLEYVR	1	1	1xTMT6plex [N-Term]	0.847	-	-	1.591748595	0	2933.455239	3	978.4899902	0.060901943	87.38925119
													TALALEVGDIVK	2	1	2xTMT6plex [N-Term; K12]	1.409	1.428	-	1.336338639	0	1687.040593	2	844.024231	0.35087719	89.78450186
													IGDQEFDHLPALLEFYK	2	1	2xTMT6plex [N-Term; K17]	1.751	1.78	-	1.386569262	0	2493.342983	3	831.7853394	-0.60873839	97.83388048
194239674	CRYZ	quinone oxidoreductase isoform a	5.775075988	2	5	2	329	35.185	8.44	1.415	1.295	1.261														
													VFEFGGPEVLK	3	1	2xTMT6plex [N-Term; K11]	1.415	1.391	1.428	1.741680622	0	1679.977265	3	560.6641846	0.437851722	91.47414445
													GTIEINPR	2	1	1xTMT6plex [N-Term]	-	1.175	1.167	1.606301546	0	1128.657438	2	564.8322144	-0.253689962	43.99738165
38327625	CS	citrate synthase, mitochondrial precursor	4.291845494	2	8	2	466	51.68	8.32	1.208	1.223	1.317														
													IVPNVLLEQGK	5	1	2xTMT6plex [N-Term; K11]	1.208	1.182	-	1.664136171	0	1668.046013	3	556.6854248	-2.573044091	86.96144019
													DILADLIPK	3	1	2xTMT6plex [N-Term; K9]	-	1.293	1.317	1.602968097	0	1455.918687	2	728.4625244	-0.628628427	96.57095513
29029559	CSE1L	exportin-2 isoform 1	18.12564367	14	31	14	971	110.346	5.77	1.853	1.689	1.711														
													LLQTDDEEEAGLLELLK	2	1	2xTMT6plex [N-Term; K17]	-	1.803	1.986	1.522049546	0	2387.332143	3	796.4490967	0.248695626	101.337871
													LVLDAFALPLTNLFK	3	1	2xTMT6plex [N-Term; K15]	1.709	1.665	2.138	1.180336237	0	2133.30877	3	711.7745361	0.133866434	110.6573751
													TAHSLFK	1	1	2xTMT6plex [N-Term; K7]	1.941	-	-	1.01706028	0	1261.766878	3	421.2599792	-1.183963444	44.20129996
													DAAIYLVTSLASK	6	1	2xTMT6plex [N-Term; K13]	1.762	1.816	1.753	2.179608345	0	1810.072622	2	905.5391846	-0.844816587	97.58507775
													TGNIPALVR	2	1	1xTMT6plex [N-Term]	1.892	1.658	-	1.100473642	0	1169.720373	2	585.3639526	0.2185338	53.66182152
													YGALALQEIFDGIQPK	6	1	2xTMT6plex [N-Term; K16]	1.928	1.991	1.892	2.253929138	0	2221.263276	3	741.0935669	1.292770481	100.842066
													NLFEDQNTLTSICEK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.609	-	-	1.990452051	0	2270.173869	2	1135.588745	-1.610050964	78.1723613
													GSNTIASAAADK	2	1	2xTMT6plex [N-Term; K12]	-	2.083	1.583	1.164558172	0	1563.874256	2	782.4400635	-0.899040872	43.48603634
													ICAVGITK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.813	-	1.095367312	0	1319.812114	2	660.4100952	0.605782959	64.92467457
													IIIPEIQK	1	1	2xTMT6plex [N-Term; K8]	-	0.784	-	0.781779528	0	1411.928858	2	706.4685059	0.621036071	89.58641794
													FLESVEGNQNYPLLLLTLLEK	2	1	2xTMT6plex [N-Term; K21]	-	1.318	1.655	1.424364448	0	2891.653417	3	964.5554199	-0.591687221	111.0718299
													SANVNEFPVLK	1	1	2xTMT6plex [N-Term; K11]	-	1.352	-	1.23318994	0	1675.978327	2	838.4938965	1.306024496	72.78003336
													EHDPVGQMVNNPK	1	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M8]	-	-	1.427	1.14378953	0	1939.010767	3	647.0084229	-0.026583304	34.05855269
													QLSDAISIIGR	1	1	1xTMT6plex [N-Term]	-	-	1.365	0.700917184	0	1401.826295	2	701.4165039	-0.401845437	75.3620548
27262667	CSF1	macrophage colony-stimulating factor 1 isoform a precursor	2.166064982	1	2	1	554	60.082	5.29	0.637	-	0.607														
													TFYETPLQLLEK	2	1	2xTMT6plex [N-Term; K12]	0.637	-	0.607	1.358663321	0	1940.114486	2	970.562439	1.605487568	97.46709979
4503079	CSF3	granulocyte colony-stimulating factor isoform a precursor	8.695652174	2	7	2	207	22.279	5.97	0.687	0.702	0.729														
													IQGDGAALQEK	6	1	2xTMT6plex [N-Term; K11]	0.687	0.702	0.703	2.086948156	0	1587.910642	3	529.9746094	-0.860857635	49.61599856
													CLEQVRK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	-	0.769	1.062721729	1	1390.824076	3	464.2799988	0.982991246	36.74805439
302191615	CSRP1	cysteine and glycine-rich protein 1 isoform 1	31.60621762	5	11	5	193	20.554	8.57	0.427	0.547	0.997														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													CSQAVYAAEK	4	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.424	0.481	0.55	1.501342177	0	1584.845599	3	528.9526367	-1.414771099	42.63279982
													HEEAPGHRPTTNPNASK	3	1	2xTMT6plex [N-Term; K17]	0.435	0.266	-	1.064338684	0	2301.210011	4	576.0585938	1.101033798	32.342509
													GLESTTLADK	1	1	2xTMT6plex [N-Term; K10]	-	1.027	-	1.523816109	0	1492.862295	2	746.9353027	0.692735528	59.17559747
													NLDSTTVAVHGEEIYCK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	-	1.148	1.494290948	0	2394.237532	3	798.7513428	0.811749163	58.60289011
													DGELYCK	4	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	1.059	1.046	1.11420393	0	1342.707709	2	671.8587036	1.803703477	44.53759153
258679433	CSRP2BP	cysteine-rich protein 2-binding protein	1.023017903	1	1	1	782	88.746	6.57	1.198	-	-														
													WIPASQLR	1	1	1xTMT6plex [N-Term]	1.198	-	-	1.412736773	0	1199.709808	2	600.3577881	-1.257652571	66.11386839
19882251	CST1	cystatin-SN precursor	12.76595745	1	1	1	141	16.377	7.21	-	-	-														
													SQPNLDTCAFHEQPELQK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	-	-	-	1.042000294	0	2600.317907	3	867.4450073	0.985138259	118.8871918
4503107	CST3	cystatin-C precursor	36.98630137	5	27	5	146	15.789	8.75	0.656	0.636	0.646														
													ASNDMYHSR	5	1	1xTMT6plex [N-Term]	0.71	0.843	0.689	1.486798286	0	1309.61565	3	437.210083	0.035035804	21.68162711
													ASNDMYHSR	7	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	0.627	0.733	2.023606062	0	1325.610565	3	442.541687	-0.043078145	17.25098823
													TQPNLDNCPFHDQPHLK	3	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	0.608	0.616	-	1.789125681	0	2519.286547	4	630.5778198	1.151904248	51.43430486
													LVGGPMDASVEEEGVRR	2	1	1xTMT6plex [N-Term]	0.779	-	0.651	1.461402893	1	2030.053804	3	677.3563843	0.39175909	54.05734944
													LVGGPMDASVEEEGVRR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	-	0.513	1.363114119	1	2046.048719	3	682.6884766	1.054299186	50.6254979
													LVGGPMDASVEEEGVR	2	1	1xTMT6plex [N-Term]	0.816	0.867	-	0.961432874	0	1873.952693	2	937.4795532	-0.460793216	65.86508166
													LVGGPMDASVEEEGVR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	0.554	-	0.602	0.775633216	0	1889.947608	2	945.4765625	-0.93121629	54.98753846
													ALDFAVGEYNK	5	1	2xTMT6plex [N-Term; K11]	0.648	0.628	0.637	1.915885091	0	1684.931043	3	562.3153076	0.193878298	74.45517138
4885165	CSTA	cystatin-A	30.6122449	2	9	2	98	11	5.5	0.933	0.83	0.789														
													TQVVAGTNYYIK	4	1	2xTMT6plex [N-Term; K12]	0.948	0.975	-	1.488978505	0	1815.041656	2	908.0240479	-0.461073096	63.15977289
													SLPGQNEDLVLTGYQVDK	5	1	2xTMT6plex [N-Term; K18]	0.917	0.727	0.789	1.705656052	0	2434.322975	3	812.1107178	-2.208133326	78.77199519
4503117	CSTB	cystatin-B	24.48979592	2	12	2	98	11.133	7.56	0.931	0.963	0.931														
													VHVGDEDFVHLR	6	1	1xTMT6plex [N-Term]	1.076	1.351	1.065	3.360947847	0	1651.87537	3	551.2958984	-1.348665608	54.8896125
													SQVVAGTNYFIK	6	1	2xTMT6plex [N-Term; K12]	0.837	0.837	0.842	1.979551792	0	1785.031091	2	893.0177002	-1.662446884	67.06931997
14149675	CSTF2T	cleavage stimulation factor subunit 2 tau variant	2.75974026	1	1	1	616	64.396	7.25	-	1.144	-														
													SVFVGNIPYEATEEQLK	1	1	2xTMT6plex [N-Term; K17]	-	1.144	-	1.614977241	0	2382.295698	3	794.7663574	-4.692551132	88.38723644
4557495	CSTF3	cleavage stimulation factor subunit 3 isoform 1	4.881450488	2	4	2	717	82.869	8.12	0.665	0.691	0.651														
													LAAIIPDPVVAPSIVPVLK	3	1	2xTMT6plex [N-Term; K19]	0.665	0.661	0.651	1.413346171	0	2370.514011	3	790.8417969	-1.338867851	104.1021185
													HHVYVTAALMEYYCSK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M10];	-	0.966	-	1.212778568	0	2446.229944	2	1223.618286	-0.265144483	93.99346427
4503123	CTGF	connective tissue growth factor precursor	5.157593123	2	3	2	349	38.043	7.94	0.662	-	0.462														
													SGESFQSSCK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.662	-	0.499	1.090071559	0	1574.788478	2	787.897522	-0.451358832	34.19609793
													CPDEPAPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.449	0.398004055	0	1170.577474	2	585.7928467	0.805490791	26.67179224
55770844	CTNNA1	catenin alpha-1 isoform 1	7.505518764	4	9	4	906	100.009	6.29	0.997	1.092	1.316														
													EELVAAVEDVRK	1	1	2xTMT6plex [N-Term; K12]	0.776	-	-	0.981202364	1	1816.058034	3	606.0241699	-0.042798398	68.13856576
													LLEPLVTQVTTLVNTNSK	3	1	2xTMT6plex [N-Term; K18]	-	0.952	1.635	1.929190516	0	2428.442697	3	810.1533813	1.19178969	101.4477742
													LLILADMADVYK	4	1	2xTMT6plex [N-Term; K12]	1.088	1.281	1.083	1.451886535	0	1823.075264	2	912.0407715	-0.547394433	101.3263695
													AEVQNLGGELVVSGVDSAMSLIQAAK	1	1	2xTMT6plex [N-Term; K26]	-	-	-	0.833944976	0	3044.670206	3	1015.562012	0.41893741	106.6745358
4503131	CTNNB1	catenin beta-1	10.75544174	7	9	5	781	85.442	5.86	0.761	1.298	1.409														
													GLNTIPLFVQLLYSPIENIQR	1	1	1xTMT6plex [N-Term]	0.761	-	-	1.37646687	0	2657.522789	3	886.5114136	-1.166961712	109.5467577
													TMQNTNDVETAR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M2]	-	0.938	-	1.036264062	0	1624.779815	2	812.8932495	-0.364625752	24.70964251
													LHYGLPVVVK	2	1	2xTMT6plex [N-Term; K10]	-	-	0.919	1.101550698	0	1583.008506	3	528.3406982	-0.60898816	70.98507533
													HQEAEMAQNAVR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	2.097	1.979	1.847265959	0	1628.801219	3	543.6055298	0.501636086	22.75893451
													NLSDAATK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.693	1.794447422	0	1277.746537	2	639.3768921	-0.02286863	44.03748762
													VAAGVLCELAQDK	1	2	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.858	-	1.833083153	0	1832.035191	3	611.3513184	2.298633862	89.52285443
													EGLLAIFK	1	2	2xTMT6plex [N-Term; K8]	-	-	0.774	1.111163259	0	1348.860444	2	674.9304199	-5.101451584	95.22955716
148491070	CTPS1	CTP synthase 1 isoform a	1.353637902	1	1	1	591	66.648	6.46	-	-	0.962														
													DNNITTGK	2	1	2xTMT6plex [N-Term; K8]	-	-	0.962	2.063680649	0	1320.75235	2	660.8779907	-2.760233352	35.67614383
4503139	CTSB	cathepsin B isoform 1 preproprotein	23.00884956	6	20	6	339	37.797	6.3	0.638	0.608	0.665														
													LCGTFLGGPKPPQR	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.139	-	-	0.901384473	0	1986.135908	3	662.71698	0.241142313	59.30938151
													EQWPQCPTIK	6	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.544	0.62	0.54	2.528772116	0	1744.945647	2	872.9746704	-2.053507909	61.63315195
													GQDHCGIESEVVAGIPR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.662	0.562	0.857	1.772774935	0	2053.033404	3	685.0167236	1.078471706	55.7606951
													DIMAEIYK	2	1	2xTMT6plex [N-Term; K8]	0.552	-	1.47	1.357642055	0	1440.817259	2	720.9121704	-0.135110602	77.41210164
													ICEPGYSPTYK	7	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.57	0.558	0.591	1.573660851	0	1772.929329	3	591.6472168	-1.258662339	56.11072259
													NGPVEGAFSVYSDFLLYK	1	1	2xTMT6plex [N-Term; K18]	-	1.324	-	1.096347094	0	2464.316434	3	822.1098022	-0.641164299	100.6387257
189083844	CTSC	dipeptidyl peptidase 1 isoform a preproprotein	26.99784017	9	24	9	463	51.808	6.99	0.895	1.043	0.886														
													NVHGINFVSPVR	6	1	1xTMT6plex [N-Term]	0.896	0.907	0.963	1.962383389	0	1567.890626	3	523.302063	0.643938312	54.06782755
													GTDECAIESIAVAATPIPK	3	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	-	0.858	0.758	1.64049089	0	2401.304883	4	601.0820923	0.689808544	90.18841779
													NWACFTGK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.716	1.32	-	1.328267097	0	1441.766227	3	481.2597961	-0.96515804	66.05643949
													YYSSEYHYVGGFYGGCNEALMK	2	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	-	0.766	0.773	1.340602994	0	3053.421386	3	1018.476929	-1.687561766	75.01489345
													ILHLPTSWDWR	1	1	1xTMT6plex [N-Term]	0.926	-	-	0.642329693	0	1652.911027	3	551.6419067	0.084568886	90.48708827
													YAQDFGLVEEACFPYTGTDSPCK	3	1	2xTMT6plex [N-Term; K23]; 2xCarbamidomethyl	0.841	0.824	-	1.707734585	0	3113.463645	3	1038.493408	0.650943646	91.51508528
													YDHNFVK	1	1	2xTMT6plex [N-Term; K7]	-	1.114	-	1.763456702	0	1380.767607	3	460.9268799	-1.10099017	41.41019263
													VGTASENVYVNTAHLK	5	1	2xTMT6plex [N-Term; K16]	1.048	1.034	1.105	3.503353596	0	2161.201738	3	721.0710449	-1.46061995	56.51350401
													VVVYLQK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.627	0.925760746	0	1306.84988	2	653.928772	0.296602784	65.14414323
4503143	CTSD	cathepsin D preproprotein	26.45631068	9	17	9	412	44.524	6.54	0.685	0.753	0.849														
													QVFGEATK	2	1	2xTMT6plex [N-Term; K8]	0.735	0.726	-	1.179083943	0	1337.782922	2	669.3956909	0.884236088	48.45177064
													VSTLPAITLK	2	1	2xTMT6plex [N-Term; K10]	0.64	0.642	-	0.776385963	0	1500.976537	3	500.9976196	1.17855721	83.65291955
													FDGILGMAYPR	2	1	1xTMT6plex [N-Term]	0.886	0.893	-	1.673446059	0	1468.781987	2	734.8938599	-1.05108413	91.05840594
													ISVNNVLPVFDNLMQQK	2	1	2xTMT6plex [N-Term; K17]	0.888	-	0.878	1.553435087	0	2417.362672	3	806.4581909	-1.097363719	100.84632
													TMSEVGGSVEDLIAK	1	1	2xTMT6plex [N-Term; K15]	0.88	-	-	1.398573995	0	1994.088014	2	997.5440063	-3.649570449	84.41616317
													LSPEDYTLK	1	1	2xTMT6plex [N-Term; K9]	0.658	-	-	1.962616563	0	1523.872131	3	508.6281738	-1.419335376	68.66573273
													QPGITFIAAK	4	1	2xTMT6plex [N-Term; K10]	0.603	0.598	-	1.485080719	0	1503.929921	3	501.9807739	-1.431125631	72.92498861

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													YYTVFDRDNNR	2	1	1xTMT6plex [N-Term]	-	0.731	0.798	0.982722521	1	1691.833899	3	564.6159058	-0.434401299	50.39614638
													AIGAVPLIQGEYMIPCEK	1	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M13];	-	1.389	-	0.978988945	0	2463.33916	4	616.59021	-0.061029456	91.43175826
384081592	CTSL	cathepsin L1 isoform 1 preproprotein	3.603603604	1	1	1	333	37.54	5.45	-	-	0.591														
													VFQEPLFYEAPR	1	1	1xTMT6plex [N-Term]	-	-	0.591	1.460093498	0	1724.920923	3	575.6449585	-0.348341602	84.70580849
23110960	CTSV	cathepsin L2 preproprotein	3.592814371	1	1	1	334	37.305	8.76	-	2.353	-														
													VFREPLFLDLPK	1	1	2xTMT6plex [N-Term; K12]	-	2.353	-	1.116693497	1	1932.172276	3	644.7288208	-0.189966319	93.23611416
22538442	CTSZ	cathepsin Z preproprotein	12.87128713	4	7	4	303	33.846	7.11	0.775	0.864	0.695														
													GDGLAPLGR	3	1	1xTMT6plex [N-Term]	0.775	0.784	0.712	1.372960687	0	1084.631224	2	542.8190918	-0.292012845	46.72701258
													NVDGVNYASITR	2	1	1xTMT6plex [N-Term]	-	0.676	0.738	1.015062928	0	1537.817186	2	769.4118652	-0.4762993	55.03339548
													IVTSTYK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.664	1.217230797	0	1269.78186	2	635.3942871	-0.442675445	53.11861203
													FNQCGTCNEFK	1	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	-	1.447	-	1.396221638	0	1862.89296	2	931.9500732	-0.048497486	52.25974986
20357552	CTTN	src substrate cortactin isoform a	11.81818182	6	9	6	550	61.549	5.4	1.008	1.372	1.068														
													HESQQDYSK	2	1	2xTMT6plex [N-Term; K9]	1.101	-	1.092	1.04361701	0	1579.811656	3	527.2759399	1.019421659	24.96289987
													SAVGHEYQSK	2	1	2xTMT6plex [N-Term; K10]	0.979	-	0.998	1.880517602	0	1563.853127	3	521.9553833	-0.978575053	27.42765696
													SAVGFEYQGK	1	1	2xTMT6plex [N-Term; K10]	0.914	-	-	1.11178565	0	1543.852064	2	772.4287109	-1.243088664	54.8699812
													ASHGYGGK	2	1	2xTMT6plex [N-Term; K8]	-	1.506	1.374	2.158029556	0	1234.694442	2	617.8502197	-1.035784103	27.3319711
													DYSSGFGGK	1	1	2xTMT6plex [N-Term; K9]	-	1.285	-	1.107202411	0	1375.725801	2	688.366394	-0.21069174	48.86802248
													HCSQVDSVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.47	-	1.308476925	0	1316.657849	3	439.5575867	0.271452273	29.80457945
32307161	CUL1	cullin-1	6.31443299	4	5	4	776	89.622	8	1.857	1.326	1.704														
													ERNGETINTR	1	1	1xTMT6plex [N-Term]	-	-	1.138	0.872821152	1	1418.75492	3	473.5899048	0.16963146	19.856715
													QEQETTHK	2	1	2xTMT6plex [N-Term; K8]	1.857	-	1.791	2.037964106	0	1458.795278	3	486.936615	0.009549457	20.33046204
													LLVLEDENANVDEVELKPDTLIK	1	1	3xTMT6plex [N-Term; K17; K23]	-	1.5	-	1.509976983	0	3296.8808	4	824.9741211	-1.864045251	96.07708124
													SQNPHGLK	1	1	2xTMT6plex [N-Term; K8]	-	1.314	-	1.133553386	0	1338.789405	3	446.9343567	-0.663174983	28.72040708
380714665	CUL3	cullin-3 isoform 3	1.679586563	1	1	1	774	89.674	7.97	-	2.203	-														
													NPVDYIQGLLDLK	1	1	2xTMT6plex [N-Term; K13]	-	2.203	-	2.302047014	0	1946.136285	3	649.3845215	1.401064842	103.1057299
62198241	CUTA	protein CutA isoform 1	22.22222222	3	8	3	198	20.912	5.48	1.234	1.086	1.308														
													TQSSLVPALTDFVR	5	1	1xTMT6plex [N-Term]	1.25	1.214	1.537	1.471723199	0	1762.990065	2	881.9939575	-5.34704144	92.11511045
													LAACVNLIPQITSIYEWK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.124	-	-	1.016349673	0	2577.451487	3	859.8226929	0.79065049	102.6726629
													IEEDSEVLMMIK	2	1	2xTMT6plex [N-Term; K12]	-	1.047	1.047	1.624280453	0	1895.026993	3	632.3478394	1.040315739	94.1039487
54144650	CXCL3	C-X-C motif chemokine 3 precursor	33.64485981	3	9	3	107	11.335	10.37	1.143	1.14	1.215														
													NIQSVNVR	3	1	1xTMT6plex [N-Term]	1.295	1.313	1.508	1.136419058	0	1158.679236	2	579.8433838	0.21962776	38.78039804
													ACLNPASPMVQK	3	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M9];	1.155	1.075	1.076	1.301609516	0	1789.970482	3	597.3280029	-0.573658028	51.51937813
													SPGPHCAQTEVIATLK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.007	1.093	1.08	2.192497015	0	2167.194545	3	723.0686035	-1.516884182	55.84041186
11128019	CYCS	cytochrome c	40	3	14	3	105	11.741	9.57	0.805	0.819	0.919														
													GIIWGEDTLMEYLENPK	1	1	2xTMT6plex [N-Term; K17]	1.039	-	-	1.620321512	0	2466.299069	3	822.7706299	-0.702462075	101.3224704
													GIIWGEDTLMEYLENPK	4	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M10]	0.686	0.619	0.765	2.426831961	0	2482.293984	3	828.1005859	-2.731069544	97.93897502
													TGPNLHGLFGR	4	1	1xTMT6plex [N-Term]	1.013	1.013	1.012	1.504899859	0	1397.785098	2	699.3955688	-0.885253884	56.2126136
													TGQAPGYSYTAANK	5	1	2xTMT6plex [N-Term; K14]	0.869	0.799	0.89	2.120730639	0	1887.001248	2	944.0027466	-1.606297792	46.64860178
24307969	CYFIP1	cytoplasmic FMR1-interacting protein 1 isoform a	3.351955307	4	6	4	1253	145.089	6.9	1.192	0.965	1.371														
													DCPDSAEEYER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.402	-	-	1.195946813	0	1599.679432	2	800.3441772	1.028863755	31.02291535
													YSNSEVVTGSGR	2	1	1xTMT6plex [N-Term]	1.04	1.133	-	1.353587151	0	1484.754252	2	742.8798828	-1.187196466	34.29548233
													FINMFAVLDELK	2	1	2xTMT6plex [N-Term; K12]	1.158	0.759	-	1.301075459	0	1898.086163	3	633.3654785	-2.255441933	106.9587531
													NDHSAYK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.371	1.506080508	0	1292.699921	3	431.5716858	0.451112464	24.69307844
31542331	CYR61	protein CYR61 precursor	19.94750656	7	12	7	381	41.998	8.21	0.383	0.294	0.371														
													TQPCDHTK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.257	-	-	0.803528011	0	1444.76187	3	482.2588196	0.024883156	22.71281853
													ELGFDASEVELTR	1	1	1xTMT6plex [N-Term]	1.291	-	-	1.080306292	0	1694.879846	2	847.9433594	-0.238311878	73.51560828
													QLNEDCSK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.268	0.24	1.261872649	0	1451.75645	2	726.3823242	0.635125472	37.5819005
													GLECNFGASSTALK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.674	0.561	-	0.956555724	0	1913.020269	2	957.0141602	0.405051903	65.659934
													AQSEGRPCEYNSR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.552	1.388248086	0	1782.839061	3	594.9512939	0.150129052	21.93124393
													IYQNGESFQPNCK	3	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.404	0.533	0.529	1.077881098	0	2043.036981	2	1022.021851	-0.272598161	55.26945305
													DGCGCCK	1	1	2xTMT6plex [N-Term; K7]; 3xCarbamidomethyl	-	-	0.353	1.345473647	0	1314.600484	3	438.87146	-0.500005283	27.80756477
294997306	DAG1	dystroglycan preproprotein	11.17318436	7	15	7	895	97.48	8.56	1.095	1.138	1.252														
													FVGDPALVLNDIHK	2	1	2xTMT6plex [N-Term; K14]	0.581	0.55	-	1.617675781	0	1996.163168	3	666.057312	-2.898167312	90.07001831
													KPPLPK	1	1	3xTMT6plex [N-Term; K1; K6]	-	1.278	-	1.212648273	0	1366.938919	3	456.3175049	-0.70023726	46.51967827
													EGAMSAQLGYPVVGWHIANK	1	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M4]	-	-	1.058	1.28349781	0	2602.385199	3	868.1328735	-0.434818232	74.4236793
													VTIPTDLIASSGDIIK	8	1	2xTMT6plex [N-Term; K16]	1.274	1.115	1.288	2.304545641	0	2101.252042	3	701.09021	1.919894773	95.90825838
													LFDMSAFMAGPGNAK	1	1	2xTMT6plex [N-Term; K15]	1.112	-	-	1.539193511	0	2015.04946	3	672.3543701	-0.448171846	96.46716187
													LGCSLNQNSVPDIHGVEAPAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.98	-	-	0.653261125	0	2463.261171	3	821.7576904	-1.077178079	61.88949197
													LVPVVNNR	1	1	1xTMT6plex [N-Term]	-	1.184	-	0.732945263	0	1139.709808	2	570.3583374	-0.359903292	54.94930706
634743288	DAP	death-associated protein 1 isoform 1	3.921568627	1	1	1	204	23.209	9.54	-	1.455	-														
													AGHPPAVK	1	1	2xTMT6plex [N-Term; K8]	-	1.455	-	0.719714582	0	1234.767213	3	412.2608032	0.521286897	29.84250582
295849266	DBI	acyl-CoA-binding protein isoform 4	29.72972973	3	12	3	148	16.484	9.38	1.074	0.939	1.01														
													TKPSDEEMLFIYGHYK	3	1	3xTMT6plex [N-Term; K2; K16]	0.957	1.057	1.04	1.344712496	0	2645.425221	4	662.1123657	0.911577695	70.53469256
													TKPSDEEMLFIYGHYK	1	1	3xTMT6plex [N-Term; K2; K16]; 1xOxidation [M8]	-	0.585	-	0.967534065	0	2661.420136	4	666.1108398	0.523402893	64.36147419
													WDAWNELK	4	1	2xTMT6plex [N-Term; K8]	1.223	1.256	1.186	1.72036159	0	1519.830935	2	760.4211426	2.680203538	81.62733594
													QATVGDINTERPGMLDFTGK	4	1	2xTMT6plex [N-Term; K20]	0.974	0.951	0.817	1.424564958	0	2608.380507	4	652.8496094	-1.494935263	73.22138134
18426913	DBN1	drebrin isoform b	7.066052227	5	6	5	651	71.565	4.53	0.456	0.52	0.592														
													DSQAALPK	1	1	2xTMT6plex [N-Term; K8]	-	0.517	-	1.529971004	0	1287.767272	2	644.3886719	2.170337809	41.82401597
													EREQQIEEHR	1	1	1xTMT6plex [N-Term]	-	-	0.484	0.611349761	1	1582.813498	4	396.4588318	-0.000386377	21.59363522
													EQQIEEHR	2	1	1xTMT6plex [N-Term]	0.456	-	0.5	2.132995844	0	1297.669794	3	433.2281189	0.007343512	25.92749394
													SPSDSSTASTPVAEQIER	1	1	1xTMT6plex [N-Term]	-	0.552	-	0.787631273	0	2091.040322	2	1046.027954	3.973822521	48.02518155
													QQTLEAEEAK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.877	0.973923266	0	1604.889572	2	802.9487915	0.457587753	41.19236052

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
62198235	DBNL	drebrin-like protein isoform b	5.581395349	2	3	2	430	48.178	5.05	1.592	1.207	-														
													NRNEQESAVHPR	1	1	1xTMT6plex [N-Term]	-	0.877	-	1.651295543	1	1665.861845	3	555.958374	-0.766095755	24.91870412
													YQEQGGEASPQR	2	1	1xTMT6plex [N-Term]	1.592	1.239	-	1.542063236	0	1578.770964	2	789.8875122	-2.037386049	26.92431177
54792129	DCBLD2	discoidin, CUB and LCCL domain-containing protein 2 precursor	2.580645161	1	2	1	775	84.981	7.17	0.755	0.714	-														
													QDLITCLDTASNFLEPEFSK	2	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	0.755	0.714	-	1.759717345	0	2786.432268	3	929.4817505	-0.563363831	99.38803082
665505971	DCD	dermcidin isoform 2 preproprotein	9.090909091	1	1	1	121	12.406	7.97	-	0.972	-														
													ENAGEDPGLAR	1	1	1xTMT6plex [N-Term]	-	0.972	-	1.174835205	0	1357.690923	2	679.3479004	-1.767021278	31.38002872
7661734	DCPS	m7GpppX diphosphatase	17.8041543	4	6	4	337	38.585	6.38	-	0.945	0.953														
													ELDVEEAHAASTEEK	1	1	2xTMT6plex [N-Term; K15]	-	0.715	-	1.96709919	0	2116.081014	3	706.0318604	0.006580413	48.56886713
													IVFENPDPSDGFVLIPDLK	3	1	2xTMT6plex [N-Term; K19]	-	1.017	0.953	1.789338827	0	2573.426712	4	644.1125488	0.642436209	101.8339712
													TTVVYPATEK	1	1	2xTMT6plex [N-Term; K10]	-	0.967	-	1.587908745	0	1566.91433	2	783.9589844	-2.321849976	53.05991733
													AHLLAEVIENLECDPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.769	-	1.701675653	0	2108.100755	3	703.3707275	-1.482572787	95.3208447
61742821	DCTD	deoxycytidylate deaminase isoform a	10.05291005	2	7	2	189	21	7.53	3.237	3.196	2.01														
													LIIQAGIK	2	1	2xTMT6plex [N-Term; K8]	2.016	-	1.984	0.988472164	0	1313.892079	2	657.4506836	1.531105585	75.18792663
													YHDSDEATAAR	5	1	1xTMT6plex [N-Term]	4.883	3.196	2.06	1.19046545	0	1464.691651	3	488.9023438	0.5643099	21.7315284
13259510	DCTN1	dynactin subunit 1 isoform 1	3.129890454	3	5	3	1278	141.607	5.81	1.356	1.388	1.458														
													GSDGAASSYQLK	1	1	2xTMT6plex [N-Term; K12]	1.032	-	-	1.523338556	0	1641.884821	2	821.4453125	-0.896896044	45.30286746
													SLDFLIELLHK	3	1	2xTMT6plex [N-Term; K11]	1.431	1.388	1.458	1.779429197	0	1786.087878	3	596.0343628	0.367971204	102.022667
													AFLQGGQEATDIALLLR	1	1	1xTMT6plex [N-Term]	1.186	-	-	0.896606028	0	2045.159256	3	682.3897095	-2.288570936	97.80626614
5453629	DCTN2	dynactin subunit 2 isoform 1	28.07881773	8	13	8	406	44.792	5.17	1.019	1.052	1.064														
													RLTELETAVR	1	1	1xTMT6plex [N-Term]	-	1.062	-	1.460485339	1	1416.837194	3	472.9510498	0.989968409	48.50009634
													VHQLYETIQR	3	1	1xTMT6plex [N-Term]	1.234	1.276	1.022	1.802304029	0	1515.848093	3	505.9544067	0.378926389	46.92094483
													LLGPDAAINLTDPDGALAK	3	1	2xTMT6plex [N-Term; K19]	1.236	1.023	1.034	1.71156013	0	2323.327333	3	775.1126099	-1.745862539	94.51269347
													LLHEVQELTTEVEK	1	1	2xTMT6plex [N-Term; K14]	-	-	1.177	1.714804769	0	2126.210906	3	709.4082031	-0.399666372	88.82121769
													WSPIASTLPELVQR	2	1	1xTMT6plex [N-Term]	0.722	0.532	-	0.987811327	0	1826.03735	3	609.3482056	-3.990225491	93.21129432
													YADLPGIAR	1	1	1xTMT6plex [N-Term]	-	1.075	-	1.151635766	0	1204.688739	2	602.84729	-1.191247024	58.9701047
													VSALDLAVLDQVEAR	1	1	1xTMT6plex [N-Term]	-	1.015	-	1.053287625	0	1828.037744	2	914.5214844	-1.122230658	94.81688265
													TTGTPPDSSLVTYELHSRPEQDK	1	1	2xTMT6plex [N-Term; K23]	-	0.929	-	1.561152697	0	3016.562764	4	754.8954468	-0.93058585	58.5428319
13129100	DCTPP1	dCTP pyrophosphatase 1	7.647058824	1	1	1	170	18.669	5.03	-	-	2.216														
													GDTGGEDTAAPGR	1	1	1xTMT6plex [N-Term]	-	-	2.216	1.287959695	0	1432.686566	2	716.8462524	-0.933768222	26.3664421
36030883	DCUN1D1	DCN1-like protein 1 isoform 1	9.266409266	2	3	2	259	30.105	5.34	0.872	2.132	-														
													LDVATDNFFQNPELYIR	2	1	1xTMT6plex [N-Term]	0.872	-	-	1.070283651	0	2284.181113	3	762.0646973	-0.689377526	97.2303953
													DPQDENK	1	1	2xTMT6plex [N-Term; K7]	-	2.132	-	1.058511615	0	1303.689416	2	652.3488159	0.720582622	27.2519251
148529014	DDB1	DNA damage-binding protein 1	17.28070175	17	26	17	1140	126.887	5.26	0.965	0.928	0.944														
													IEHSFWR	1	1	1xTMT6plex [N-Term]	-	-	1.001	0.755074322	0	1203.647208	3	401.8873901	0.339825618	49.89673014
													ICYQEVSQCFGVLSSR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.076	-	0.845	1.450161576	0	2162.057176	3	721.3569946	-0.344622376	86.09602312
													DLLFILTAK	3	1	2xTMT6plex [N-Term; K9]	1.005	-	0.967	1.260085106	0	1491.955073	2	746.4818115	0.853555779	100.6698654
													DSAATTDEER	1	1	1xTMT6plex [N-Term]	-	0.902	-	1.699229598	0	1323.622569	2	662.3148193	-0.156236475	29.24226754
													ALYYLQIHPQELR	1	1	1xTMT6plex [N-Term]	-	-	0.983	1.098569155	0	1873.053334	3	625.0230103	0.610410658	73.95416953
													IVVFQYSDGK	4	1	2xTMT6plex [N-Term; K10]	0.927	0.934	0.96	1.125726581	0	1613.930315	3	538.6488037	0.956164463	79.69470322
													TEPATGFIDGDLIESFLDISRPK	2	1	2xTMT6plex [N-Term; K23]	-	0.987	-	0.895391047	0	2979.607924	4	745.6583252	1.190475841	102.3387999
													QGQGQLVTCSGAFK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.887	-	1.038	1.097383738	0	1939.047152	2	970.0275269	0.322225758	55.50662046
													LEELHVIDVK	1	1	2xTMT6plex [N-Term; K10]	0.954	-	-	1.456580162	0	1652.998729	3	551.6702881	-1.462531184	75.50308427
													LVFSNVNLK	2	1	2xTMT6plex [N-Term; K9]	-	0.991	0.951	1.331999183	0	1491.929921	2	746.46875	0.202784324	84.90310735
													GDFILVGDLMR	1	1	1xTMT6plex [N-Term]	-	0.766	-	0.827657163	0	1464.808202	2	732.9087524	1.383541415	94.64106363
													VTLGTQPTVLR	1	1	1xTMT6plex [N-Term]	-	-	0.905	0.876087725	0	1413.86268	2	707.4359741	1.408617835	61.78831543
													LPSFELLHK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.583	0.547736526	0	1541.945571	3	514.6528931	-0.937095841	78.40506563
													IGRPSETGIIGIIDPECR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.014	-	1.570231795	0	2212.195718	3	738.0691528	-1.271358535	79.13921145
													LGDSQLVK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.963	0.972097576	0	1317.814222	2	659.4108276	0.118554979	55.31035068
													QSTIVCHNR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.936	1.584950089	0	1343.705134	3	448.5731506	-0.175072415	26.32668218
													REATADDLIK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.09	0.936914146	1	1589.926292	3	530.6472778	0.621630134	48.57856229
83977452	DDR1	epithelial discoidin domain-containing receptor 1 isoform 3 precursor	3.917301415	4	8	4	919	101.731	6.83	1.426	1.425	1.446														
													HAGGLGK	4	1	2xTMT6plex [N-Term; K7]	1.437	-	1.458	1.829954505	0	1097.683149	3	366.5662842	1.04808848	23.80645077
													HNLGGNLGDPR	2	1	1xTMT6plex [N-Term]	1.364	1.4	-	2.005695105	0	1378.738877	3	460.2511292	-0.030693867	40.65610631
													AVSVPLGGR	1	1	1xTMT6plex [N-Term]	-	1.486	-	1.474983096	0	1084.667609	2	542.8383789	1.725848992	50.77316353
													VELYGCLWR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.864	1.399176478	0	1424.755773	2	712.8823242	1.122513438	81.45060548
13027602	DDRGK1	DDRGK domain-containing protein 1	8.598726115	2	2	2	314	35.589	5.12	-	-	0.855														
													EAEEAEREER	1	1	1xTMT6plex [N-Term]	-	-	0.83	1.317875981	1	1476.712781	3	492.908783	-0.667125699	20.37898284
													FIYITPEELAAVANFIR	1	1	1xTMT6plex [N-Term]	-	-	1.052	0.963802874	0	2196.226607	3	732.7460938	-1.310852892	109.153897
4503291	DDT	D-dopachrome decarboxylase	9.322033898	1	6	1	118	12.704	7.3	1.696	1.813	1.722														
													FFPLESWQIGK	6	1	2xTMT6plex [N-Term; K11]	1.696	1.813	1.722	1.540859461	0	1810.030363	2	905.5195923	0.853516242	98.06467899
4826686	DDX1	ATP-dependent RNA helicase DDX1	4.054054054	2	3	2	740	82.38	7.23	-	0.702	0.681														
													TGAFSIPVIQIVYETLK	1	1	2xTMT6plex [N-Term; K17]	-	0.734	-	1.341314673	0	2337.383391	3	779.7984619	-1.094573454	109.6428141
													SQHSGNAQVTQTK	2	1	2xTMT6plex [N-Term; K13]	-	0.696	0.681	1.080932856	0	1844.002645	3	615.3393555	0.471016814	33.84465429
148613856	DDX17	probable ATP-dependent RNA helicase DDX17 isoform 3	1.641586867	1	1	1	731	80.407	8.37	-	-	0.892														
													APILIATDVASR	1	1	1xTMT6plex [N-Term]	-	-	0.892	1.419094205	0	1455.873245	2	728.4414673	1.657603312	77.22125805
41327771	DDX23	probable ATP-dependent RNA helicase DDX23	1.341463415	1	1	1	820	95.524	9.55	-	0.741	-														
													ETNGNEDEEGR	1	1	1xTMT6plex [N-Term]	-	0.741	-	1.606836796	0	1478.65566	2	739.8309326	-0.7244321	17.7751738
18375623	DDX39B	spliceosome RNA helicase DDX39B	18.45794393	8	19	8	428	48.96	5.67	1.093	1.218	1.07														
													NCPHIVVGTPGR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.2	1.139	1.165	1.517643332	0	1535.831397	3	512.616272	1.865887085	38.01950572
													MTPHEK	2	1	2xTMT6plex [N-Term; K6]	-	1.23	1.034	1.576656461	0	1200.6811	3	400.8986511	0.250065684	26.17783915
													HFILDECDK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.293	1.344	1.267	2.605872869	0	1634.861249	3	545.6246338	-1.162815996	55.25167604

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LTLHGLQQYYVK	2	1	2xTMT6plex [N-Term; K12]	1.016	-	1.007	1.214500785	0	1921.13114	3	641.0477295	-1.303619199	70.83753434
													GLAITFVSDENDAK	5	1	2xTMT6plex [N-Term; K14]	1.155	1.228	0.98	1.776440501	0	1938.058428	3	646.6905518	-0.684229404	78.35906816
													ELAFQISK	2	1	2xTMT6plex [N-Term; K8]	0.67	0.818	-	1.143555999	0	1393.845523	2	697.4256592	-1.062385035	73.2915207
													DEEVLK	1	1	2xTMT6plex [N-Term; K6]	-	1.565	-	1.704068542	0	1190.703275	2	595.8556519	0.631610707	44.97216208
													GSYVSIHSSGFR	1	1	1xTMT6plex [N-Term]	-	1.237	-	1.530737519	0	1525.796057	3	509.2704163	0.418495836	44.31588888
380692342	DDX6	probable ATP-dependent RNA helicase DDX6	7.453416149	3	5	3	483	54.382	8.66	1.029	1.124	1.337														
													TSDVTSTK	2	1	2xTMT6plex [N-Term; K8]	0.896	-	1.337	1.009430289	0	1296.741117	2	648.8735352	-1.020494748	32.06124887
													SLYVAEYHSEPVEDEKP	2	1	2xTMT6plex [N-Term; K16]	1.143	1.195	-	1.436809778	0	2450.249142	3	817.4223022	1.310784371	60.70652645
													SGAYLIPLLER	1	1	1xTMT6plex [N-Term]	-	1.028	-	1.060267448	0	1460.867431	2	730.9370728	-0.384820809	91.20998625
613410189	DDX60L	probable ATP-dependent RNA helicase DDX60-like isoform 1	0.703399766	1	1	1	1706	197.487	8.28	-	-	4.273														
													MPLNAYVLNFYK	1	1	2xTMT6plex [N-Term; K12]	-	-	4.273	1.219776511	0	1931.086498	3	644.3670044	-0.019551898	42.76059281
27501446	DENR	density-regulated protein	9.090909091	1	5	1	198	22.078	5.3	1.078	1.237	1.11														
													QEAGISEGQGTAGEEEK	5	1	2xTMT6plex [N-Term; K18]	1.078	1.237	1.11	2.509364605	0	2307.135234	3	769.7174683	1.134474095	38.41617358
4758148	DFFA	DNA fragmentation factor subunit alpha isoform 1	6.948640483	2	3	2	331	36.5	4.79	1.079	0.873	1.105														
													KTETVQEACER	2	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	1.079	-	1.105	1.408807516	1	1808.957669	3	603.6572266	-0.299698832	28.72774526
													LQHTLQQVLDQR	1	1	1xTMT6plex [N-Term]	-	0.873	-	1.871985316	0	1707.970333	3	569.994873	-0.156302115	69.03317317
188536092	DFNA5	non-syndromic hearing impairment protein 5 isoform a	1.612903226	1	1	1	496	54.52	5.17	-	0.948	-														
													LNLGGSSR	1	1	1xTMT6plex [N-Term]	-	0.948	-	1.605656147	0	1032.599924	2	516.803772	0.332893025	41.10882716
67782362	DHX29	ATP-dependent RNA helicase DHX29	0.949598247	1	4	1	1369	155.139	8.09	1.011	0.86	0.989														
													QQQQQQQQHSENK	4	1	2xTMT6plex [N-Term; K13]	1.011	0.86	0.989	2.038528204	0	2097.083748	3	699.6984863	-1.355499334	17.42614315
100913206	DHX9	ATP-dependent RNA helicase A	5.196850394	5	8	5	1270	140.869	6.84	1.198	0.964	0.671														
													LGGIGQFLAK	1	1	2xTMT6plex [N-Term; K10]	1.209	-	-	1.465850949	0	1461.919356	2	731.461731	-2.168988271	90.75950169
													TTQVPQFILDDFIQNDR	2	1	1xTMT6plex [N-Term]	1.238	-	1.043	2.505510807	0	2279.186927	3	760.3988647	-2.143681881	97.90110786
													ETPFELIEALLK	3	1	2xTMT6plex [N-Term; K12]	0.795	0.628	0.61	1.476294398	0	1861.108673	3	621.0408936	-0.29307044	110.1634687
													YPSPFFVFGEK	1	1	2xTMT6plex [N-Term; K11]	-	1.023	-	1.274503708	0	1775.977265	2	888.4940186	1.968273719	96.09880969
													ELDALDANDELTPLGR	1	1	1xTMT6plex [N-Term]	-	1.114	-	1.413515091	0	1971.023216	2	986.0159912	0.756034664	71.26560631
119395758	DIAPH1	protein diaphanous homolog 1 isoform 1	2.51572327	3	4	3	1272	141.258	5.41	-	1.277	1.169														
													NSETFPTILEEAK	2	1	2xTMT6plex [N-Term; K13]	-	1.177	1.169	1.472873092	0	1937.063179	3	646.3590088	-0.364475883	78.78192206
													ELGEYFLFDPK	1	1	2xTMT6plex [N-Term; K11]	-	1.218	-	1.436572433	0	1815.993309	3	606.003418	1.317106312	95.64079349
													AEMDEVER	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	1.655	-	0.918059826	0	1223.577533	2	612.2922363	-0.275743662	34.06446013
75677335	DIEXF	digestive organ expansion factor homolog	1.058201058	1	1	1	756	87.001	5.88	0.981	-	-														
													HFFLQGEK	1	1	2xTMT6plex [N-Term; K8]	0.981	-	-	1.772138119	0	1463.841106	3	488.6202393	3.455732605	71.42568143
7110719	DKK1	dickkopf-related protein 1 precursor	7.142857143	2	2	2	266	28.653	8.4	0.442	-	0.606														
													GQEGSVCLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.606	1.581009984	0	1234.641137	2	617.8234863	-1.166860318	32.44150679
													GSHGLEIFQR	1	1	1xTMT6plex [N-Term]	0.442	-	-	1.57631433	0	1372.753464	3	458.2544861	-3.321046471	47.64485491
40548389	DKK3	dickkopf-related protein 3 precursor	19.14285714	5	13	5	350	38.365	4.65	0.966	0.987	1.087														
													QELEDLER	1	1	1xTMT6plex [N-Term]	-	0.705	-	0.868367136	0	1260.663312	2	630.8360596	1.214424669	47.4021993
													DQDGEILLPR	1	1	1xTMT6plex [N-Term]	-	0.741	-	0.578628361	0	1384.76336	2	692.8860474	1.053036645	63.77643116
													GLLFPVCTPLPVEGELCHDPASR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.237	0.915	2.528116465	0	2793.426522	3	931.8145752	0.948632769	95.16355612
													EVEELMEDTQHK	3	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M6]	0.899	0.904	0.875	1.234649062	0	1961.989028	3	654.6679688	0.165505513	47.6260801
													SAVEEMEAEEAAAK	5	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M6]	1.12	1.201	1.218	2.143426657	0	1938.973044	3	646.9963379	0.730578426	51.89769814
91199540	DLD	dihydrolipoyl dehydrogenase, mitochondrial isoform 1	9.233791749	4	7	4	509	54.143	7.85	1.507	1.13	1.125														
													NQVTATK	2	1	2xTMT6plex [N-Term; K7]	-	-	1.196	1.316340685	0	1219.741058	2	610.3745728	0.665196771	31.25382625
													ALTGGIAHLFK	1	1	2xTMT6plex [N-Term; K11]	1.458	-	-	0.912821174	0	1585.983019	3	529.333313	1.492257367	76.27810043
													EANLAASFGK	2	1	2xTMT6plex [N-Term; K10]	1.554	-	1.061	1.438910604	0	1465.8415	3	489.2850342	-0.648399529	62.57126793
													IPNIYAIGDVVAGPMLAHK	2	1	2xTMT6plex [N-Term; K19]	-	1.13	0.983	2.001002789	0	2437.404143	3	813.142334	3.407540415	98.24458393
148539578	DLG1	disks large homolog 1 isoform 2	1.295896328	1	1	1	926	103.258	5.92	-	0.851	-														
													AASHEQAAAALK	1	1	2xTMT6plex [N-Term; K12]	-	0.851	-	1.46668148	0	1625.937525	3	542.6505737	-0.219786178	33.75578118
5453690	DNAJB1	dnaJ homolog subfamily B member 1 isoform 1	2.352941176	1	1	1	340	38.02	8.63	-	-	1.455														
													GASDEEIK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.455	1.533222675	0	1306.725467	2	653.8656616	-1.086936658	35.40564929
7706495	DNAJB11	dnaJ homolog subfamily B member 11 precursor	9.776536313	3	4	3	358	40.489	6.18	0.734	0.763	-														
													FQDLGAAYEVLSDSEK	1	1	2xTMT6plex [N-Term; K16]	0.729	-	-	1.254889131	0	2230.16435	3	744.0567627	-3.862829241	93.75828895
													QYDTYGEEGLK	2	1	2xTMT6plex [N-Term; K11]	0.751	0.755	-	1.618177772	0	1760.910701	2	880.9593506	0.410709001	52.04892389
													EQLTEEAR	1	1	1xTMT6plex [N-Term]	-	0.769	-	1.367542982	0	1204.637097	2	602.8216553	-0.882334711	30.48460105
24308127	DNAJC10	dnaJ homolog subfamily C member 10 isoform 1 precursor	2.774274905	1	1	1	793	91.021	7.18	-	0.483	-														
													IWGLGFLPQVSTDLTPQTFSEK	1	1	2xTMT6plex [N-Term; K22]	-	0.483	-	1.215877295	0	2922.601716	3	974.8703613	-1.774284055	103.3588453
112293277	DNAJC8	dnaJ homolog subfamily C member 8	11.46245059	3	3	3	253	29.823	9.06	-	1.806	1.091														
													QREEEIEAQEK	1	1	2xTMT6plex [N-Term; K11]	-	1.289	-	1.763025522	1	1846.991077	3	616.3348389	-0.602860756	31.83737682
													RDSVLTSK	1	1	2xTMT6plex [N-Term; K8]	-	1.959	-	1.574662566	1	1363.830935	3	455.2819519	0.269375684	36.05919831
													QLSILVHPDK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.091	0.800332069	0	1607.988498	3	536.668457	1.442525088	67.19031831
510937025	DNM1L	dynamin-1-like protein isoform 5	2.803738318	1	3	1	749	83.347	7.08	1.739	1.923	1.507														
													TLESVDPLGGLNTIDILTAIR	3	1	1xTMT6plex [N-Term]	1.739	1.923	1.507	1.665245891	0	2440.38602	3	814.1334229	-0.125039772	103.6085238
981220813	DNPEP	aspartyl aminopeptidase isoform a	1.622718053	1	1	1	493	54.468	7.74	1.32	-	-														
													EAVQTAAK	1	1	2xTMT6plex [N-Term; K8]	1.32	-	-	0.791908324	0	1275.767272	2	638.3867798	-0.77544683	33.39887776
5454002	DNPH1	2'-deoxynucleoside 5'-phosphate N-hydrolase 1 isoform 1	9.770114943	1	1	1	174	19.097	5.05	-	0.782	-														
													FGTVLTEHVAAAELGAR	1	1	1xTMT6plex [N-Term]	-	0.782	-	0.873929679	0	1971.086091	3	657.7006226	0.620807882	74.2775011
117190326	DPH5	diphthine methyl ester synthase isoform a	2.456140351	1	2	1	285	31.631	5.31	1.559	1.696	-														
													VGADDQK	2	1	2xTMT6plex [N-Term; K7]	1.559	1.696	-	1.141517997	0	1190.678123	2	595.8427124	0.021227137	31.38729936
18491024	DPP3	dipeptidyl peptidase 3 isoform 1	16.41791045	9	12	9	737	82.538	5.1	1.035	1.274	1.153														
													AQDPDQLR	1	1	1xTMT6plex [N-Term]	-	-	1.245	0.684675813	0	1171.626867	2	586.3169556	-0.198029931	32.05537423
													SGETWDSK	1	1	2xTMT6plex [N-Term; K8]	-	1.359	-	0.907031	0	1367.720716	2	684.3637085	-0.420807995	50.66629476
													VILGSEAAQQHPEEVR	3	1	1xTMT6plex [N-Term]	0.975	1.077	1.104	1.93181932	0	1992.071169	3	664.6949463	-0.443414285	55.05594458

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LVASAEQLLK	2	1	2xTMT6plex [N-Term; K10]	1.089	-	1.057	1.890098691	0	1529.9667	2	765.486145	-1.102508268	83.07769219
													LASVLGSEPSLDSEVTSK	1	1	2xTMT6plex [N-Term; K18]	-	1.539	-	1.383665919	0	2277.258978	3	759.7577515	-0.121648645	87.33720418
													FLTPDFTSLDVLTFAGSGIPAGINIPNYDDLR	1	1	1xTMT6plex [N-Term]	-	1.122	-	1.610924244	0	3668.904944	3	1223.640869	0.847653979	108.2303238
													LIVQPNTR	1	1	1xTMT6plex [N-Term]	-	-	1.05	0.855572522	0	1169.720373	2	585.3640747	0.427250883	53.66828615
													FSTIASSYEECR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.934	-	1.602592349	0	1678.794402	2	839.9005737	-0.316518248	59.97761349
													LTFLEEDDK	1	1	2xTMT6plex [N-Term; K9]	-	0.929	-	1.512919188	0	1567.86196	2	784.4331055	-1.930018443	78.14916872
14211889	DPY30	protein dpy-30 homolog	9.090909091	1	1	1	99	11.243	4.88	1.215	-	-														
													VDLQSLPTR	1	1	1xTMT6plex [N-Term]	1.215	-	-	1.174377561	0	1257.736417	2	629.3710327	-1.294500414	57.69883236
308818195	DPYSL2	dihydropyrimidinase-related protein 2 isoform 1	28.36041359	13	23	13	677	73.457	6.35	2.727	3.402	2.934														
													KPFPDFVYK	2	1	3xTMT6plex [N-Term; K1; K9]	2.343	2.562	-	1.757923245	0	1828.097604	3	610.0376587	0.447981671	73.0607145
													MVIPGGIDVHTR	3	1	1xTMT6plex [N-Term]	4.074	3.463	3.132	1.749363422	0	1523.856549	3	508.6239929	0.575329591	65.04488699
													SSAEVIAQAR	3	1	1xTMT6plex [N-Term]	3.708	4.093	3.318	1.376382351	0	1260.71093	2	630.8586426	-0.731272909	35.83403567
													GLYDGPVCEVSVTPK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	1.93	-	0.989424825	0	2079.119648	2	1040.064453	0.952898503	72.20170147
													GTVVYGEPITASLGTDGSHYWSK	2	1	2xTMT6plex [N-Term; K23]	1.139	-	1.984	2.066372633	0	2883.492894	3	961.8372803	1.523673015	79.06521343
													IAVGSDADLVIWDPDSVK	1	1	2xTMT6plex [N-Term; K18]	3.565	-	-	2.044020414	0	2358.295698	3	786.7664795	-4.58502021	95.95788999
													DRFQLTDCQIYEVLSVIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	3.069	-	-	1.5698632	1	2484.31181	3	828.7741089	-1.624840259	97.28716051
													DIGAIAQVHAENGDIIAEEQQR	1	1	1xTMT6plex [N-Term]	1.274	-	-	1.599252343	0	2606.337173	3	869.4509277	0.405658614	65.42711362
													AITIANQTNCPLYITK	4	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.001	2.818	2.096	1.938671708	0	2279.28336	3	760.434082	1.901125515	80.25036252
													TVTPASSAK	1	1	2xTMT6plex [N-Term; K9]	-	-	2.784	0.836084723	0	1319.793487	2	660.4005737	0.290864398	38.12306132
													GSPLVVISQGK	2	1	2xTMT6plex [N-Term; K11]	-	4.212	3.731	1.13246417	0	1542.961949	3	514.9919434	-0.435760503	69.84987992
													DNFTLIPEGTNGTEER	1	1	1xTMT6plex [N-Term]	-	-	1.96	0.724099755	0	2021.997729	2	1011.503357	0.844757224	69.8020345
													QIGENLIVPGGVK	1	1	2xTMT6plex [N-Term; K13]	3.1	-	-	1.422328949	0	1782.08894	2	891.5494385	1.492536688	76.69444235
308818200	DPYSL3	dihydropyrimidinase-related protein 3 isoform 1	3.216374269	2	3	2	684	73.865	6.35	-	1.846	2.324														
													EVLQNLGPK	2	1	2xTMT6plex [N-Term; K9]	-	1.846	2.294	1.401972651	0	1455.893535	3	485.9693909	0.05772223	61.9365279
													QIGDNLIVPGGVK	1	1	2xTMT6plex [N-Term; K13]	-	-	2.387	1.426200747	0	1768.07329	3	590.0288086	-0.801951343	75.5926955
18426973	DRAP1	dr1-associated corepressor	5.365853659	1	2	1	205	22.336	5.17	1.558	1.191	-														
													ALELFLESLLK	2	1	2xTMT6plex [N-Term; K11]	1.558	1.191	-	1.176130056	0	1734.08173	2	867.5448608	0.412414061	110.2720842
4758796	DRG1	developmentally-regulated GTP-binding protein 1	3.814713896	1	1	1	367	40.517	8.9	-	1.64	-														
													IQLLDLPGIIEGAK	1	1	2xTMT6plex [N-Term; K14]	-	1.64	-	1.724025846	0	1938.20397	3	646.7390137	-0.764839201	101.8515895
148539846	DSC3	desmocollin-3 isoform Dsc3a preproprotein	6.138392857	6	8	6	896	99.906	6.1	0.981	0.954	1.014														
													DEPDTMHTR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	-	1.014	1.527953863	0	1346.620795	3	449.5447693	-0.77272583	17.76411132
													VILNVPSK	1	1	2xTMT6plex [N-Term; K8]	-	0.959	-	1.141501188	0	1327.871343	3	443.2952881	-0.024394071	69.69522177
													VLNDGSVYTAR	2	1	1xTMT6plex [N-Term]	0.711	0.709	-	1.505292535	0	1423.774259	2	712.3895264	-1.74382674	49.16517801
													DRAGQAATK	2	1	2xTMT6plex [N-Term; K9]	1.163	1.005	-	2.091722965	1	1375.805783	3	459.2732239	-0.483047207	22.04725843
													ENLAVGSK	1	1	2xTMT6plex [N-Term; K8]	0.954	-	-	1.31399107	0	1275.767272	2	638.3873901	0.181391577	45.42926441
													ILDREVETPK	1	1	2xTMT6plex [N-Term; K10]	-	1.185	-	1.68264854	1	1657.988892	3	553.3342896	-0.347853752	50.93081345
116534898	DSG2	desmoglein-2 preproprotein	11.80679785	11	36	11	1118	122.218	5.24	0.871	0.894	0.914														
													EVDYEEMK	1	1	2xTMT6plex [N-Term; K8]	0.912	-	-	1.078133583	0	1500.765617	2	750.887146	0.931672589	51.874806
													AWITAPVALR	3	1	1xTMT6plex [N-Term]	0.874	0.884	1.077	1.250521064	0	1326.809522	2	663.9052124	-4.804137448	81.69738308
													EGEDLSK	1	1	2xTMT6plex [N-Term; K7]	0.987	-	-	1.121280193	0	1235.688353	2	618.3474731	-0.553158032	36.48914632
													LEDRDNWISVDSVTSEIK	2	1	2xTMT6plex [N-Term; K18]	1.011	0.942	-	1.389912844	1	2564.360817	3	855.458374	-0.096920716	85.74261965
													IVSLEPAYPPVFYLNK	11	1	2xTMT6plex [N-Term; K16]	0.756	0.76	0.761	1.837514043	0	2308.335713	2	1154.671997	0.435378883	99.42339602
													GITEPPFGIFVFNK	6	1	2xTMT6plex [N-Term; K14]	0.965	0.988	0.97	1.470428228	0	2024.162105	3	675.3916626	-0.825456137	100.3682844
													IVAISEDYPR	1	1	1xTMT6plex [N-Term]	-	1.086	-	1.17001915	0	1391.773196	2	696.3897095	-0.757310667	65.00383965
													ILDVNDNIPVVENK	8	1	2xTMT6plex [N-Term; K14]	0.889	0.884	0.96	2.060866833	0	2040.174127	3	680.7261963	-4.946098807	86.24092585
													NLDFSVIVANK	1	1	2xTMT6plex [N-Term; K11]	0.774	-	-	1.077944517	0	1677.993978	3	560.0023804	-0.828177417	89.57151379
													AASYTEEDENHTAK	1	1	2xTMT6plex [N-Term; K14]	-	0.915	-	1.847816467	0	2023.997284	3	675.3375244	0.363474889	31.46708225
													TLAEVCLGQK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	-	1.328	1.360243917	0	1576.913285	2	788.9602051	-0.0958859	60.52912348
119964718	DSG3	desmoglein-3 preproprotein	1.801801802	1	4	1	999	107.465	5	0.342	0.397	0.339														
													ISGVGIDQPPFGIFVVDK	4	1	2xTMT6plex [N-Term; K18]	0.342	0.397	0.339	1.754967809	0	2346.34734	3	782.7874756	0.227471783	100.5331822
58530840	DSP	desmoplakin isoform I	1.114594218	3	3	3	2871	331.569	6.81	-	1.536	1.004														
													EEDTSGYR	1	1	1xTMT6plex [N-Term]	-	1.536	-	0.7856915	0	1185.558512	2	593.2831421	0.417870297	33.47038408
													ALLQAILQTEDMLK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.841	1.483202219	0	2045.208069	3	682.4076538	0.165726796	105.1283826
													AELIVQPELK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.021	1.45969069	0	1597.992915	3	533.3366089	1.475895252	77.74665304
4502443	DST	dystonin isoform 1e precursor	0.415251038	1	1	1	2649	306.564	6.32	-	1.432	-														
													ECQHSGELSSR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.432	-	1.815864205	0	1518.716821	3	506.9105835	0.247964779	19.16028227
5802966	DSTN	destrin isoform a	56.96969697	8	18	7	165	18.493	7.85	1.257	1.239	1.264														
													MIYASSK	2	3	2xTMT6plex [N-Term; K7]	0.644	0.649	-	1.219703078	0	1257.727716	2	629.367981	0.770925257	56.48881169
													HECQANGPEDLNR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.594	-	1.484	1.602435589	0	1768.823411	3	590.2792969	-0.041550219	23.15855288
													YALYDASFETK	4	1	2xTMT6plex [N-Term; K11]	1.245	1.316	1.296	1.416156888	0	1765.941273	2	883.4735718	-0.796337531	71.94275013
													HFVGMLPEK	3	1	2xTMT6plex [N-Term; K9]	1.246	1.244	1.211	1.559435725	0	1515.875777	3	505.9629517	-0.973093939	58.00685724
													EILVGDVGVTITDPFK	3	1	2xTMT6plex [N-Term; K16]	1.205	1.238	1.26	2.860626698	0	2161.252042	3	721.0869751	-2.623667633	98.36942461
													LGGSLIVAFEGCPV	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.283	1.07	1.983751059	0	1647.897745	2	824.4524536	-0.069502758	101.0739495
													CSTPEEIK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.189	-	0.907867432	0	1421.771037	3	474.5951538	-0.090770043	41.96127498
													EELMFFLWAPELAPLK	1	1	2xTMT6plex [N-Term; K16]	-	0.992	-	0.893932104	0	2392.339083	3	798.1176758	-0.254665509	109.6246812
968121891	DTD1	D-tyrosyl-tRNA(Tyr) deacylase 1 isoform 1	3.755868545	1	2	1	213	23.952	7.42	0.896	-	0.883														
													VFEDESGK	2	1	2xTMT6plex [N-Term; K8]	0.896	-	0.883	1.137610197	0	1368.741117	2	684.8744507	0.370951951	48.3597894
41352718	DTX1	E3 ubiquitin-protein ligase DTX1	3.870967742	1	2	1	620	67.325	9.6	0.879	-	0.971														
													MSRPGHGGLMPVNGLGFPPQNVAR	2	1	1xTMT6plex [N-Term]; 2xOxidation [M1; M10]	0.879	-	0.971	1.315100074	0	2750.418024	3	917.473999	-3.846618804	102.2044592
70906441	DUT	deoxyuridine 5'-triphosphate nucleotidohydrolase,	21.42857143	4	14	4	252	26.547	9.36	1.393	1.335	1.351														
													HFIDVGAGVIDEDYR	3	1	1xTMT6plex [N-Term]	1.49	1.414	1.24	1.665939808	0	1934.980957	3	645.6638184	-2.095716684	69.47717879
													GNVGVVLFNFGK	5	1	2xTMT6plex [N-Term; K12]	1.382	1.41	1.407	1.734686852	0	1709.015047	2	855.0097046	-1.705549824	93.9627868

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IFYPEIEEVQALDDTER	5	1	1xTMT6plex [N-Term]	1.386	0.991	0.952	1.851344466	0	2296.154624	3	766.0568237	0.563695229	94.76085433
													LSEHATAPTR	1	1	1xTMT6plex [N-Term]	-	1.24	-	1.035682559	0	1311.721829	3	437.9125977	1.075097416	28.11925986
33350932	DYNC1H1	cytoplasmic dynein 1 heavy chain 1	4.498493328	16	27	16	4646	532.072	6.4	1.219	1.337	1.348														
													ADLAAVEAK	2	1	2xTMT6plex [N-Term; K9]	1.391	-	1.531	1.399363041	0	1345.809137	2	673.4089966	1.173661271	54.89844757
													VDDLLIIEEK	1	1	2xTMT6plex [N-Term; K10]	-	1.16	-	1.209263921	0	1644.98241	2	822.9957886	1.149409517	91.83712945
													NTISLLVAGLK	3	1	2xTMT6plex [N-Term; K11]	-	1.415	1.305	1.255206227	0	1587.024549	2	794.015625	-0.362974851	95.6210823
													LSLSNAISTALPLTQLR	2	1	1xTMT6plex [N-Term]	1.211	-	1.182	1.610319614	0	2027.206206	3	676.4076538	1.086389621	98.81172718
													FGNPLLVQDVESYDPVLNPVLNR	2	1	1xTMT6plex [N-Term]	1.009	1.024	-	1.904708266	0	2827.51916	3	943.1781616	0.272978975	100.1144922
													INEWLTLVEK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.288	1.519119382	0	1703.014379	2	852.0119019	1.261563593	98.52709257
													IFVFEPPPGVK	3	1	2xTMT6plex [N-Term; K11]	1.507	1.466	-	1.489343524	0	1688.018736	3	563.3450928	1.178464593	94.97912017
													VNFLPEIITLSK	1	1	2xTMT6plex [N-Term; K12]	-	1.42	-	0.689824402	0	1832.129743	3	611.3811646	-0.437893473	100.8068929
													DLEASIAR	1	1	1xTMT6plex [N-Term]	0.76	-	-	1.142618299	0	1103.625804	2	552.3162842	-0.464098088	47.21779566
													LVPLLLEDGGEAPAALEALEEK	3	1	2xTMT6plex [N-Term; K23]	1.007	-	1.282	1.846049309	0	2806.585397	3	936.199646	-0.360837664	105.3384219
													EVDGLDVSK	1	1	2xTMT6plex [N-Term; K9]	-	1.225	-	2.011022806	0	1419.809531	2	710.4088745	0.663133623	58.2057533
													VQVALEELQDLK	2	1	2xTMT6plex [N-Term; K12]	0.488	0.744	-	2.064021111	0	1843.094085	2	922.0479736	-2.937855651	95.59414702
													DFPLNDLLSATELDK	2	1	2xTMT6plex [N-Term; K15]	1.322	1.404	-	1.176020622	0	2149.179271	3	717.064209	-0.5572857	99.20893729
													EHSNPNYDK	1	1	2xTMT6plex [N-Term; K9]	-	1.34	-	0.713054895	0	1561.801091	3	521.2722778	0.761189181	35.77889382
													ETVDQVEELRR	1	1	1xTMT6plex [N-Term]	-	1.063	-	1.676007152	1	1602.864865	3	534.960083	0.518480039	44.4694078
													GIFEALRPLETLPVEGLIR	1	1	1xTMT6plex [N-Term]	-	-	1.917	1.207728624	0	2352.385233	3	784.7985229	-1.792704819	100.75355
24307879	DYNC1I2	cytoplasmic dynein 1 intermediate chain 2 isoform 1	11.91222571	5	10	5	638	71.412	5.2	1.321	1.35	1.435														
													APPHELTEEEK	3	1	2xTMT6plex [N-Term; K11]	1.383	1.43	1.464	2.223161936	0	1737.942336	3	579.9851685	-0.796170781	38.38974396
													SVSTPSEAGSQDSGDGAVGSR	1	1	1xTMT6plex [N-Term]	1.21	-	-	0.978529274	0	2180.026463	3	727.3476563	0.895663439	34.03231961
													TLAEINANRADAEEEAATR	1	1	1xTMT6plex [N-Term]	1.226	-	-	1.270535707	1	2274.152332	3	758.7219849	-0.409299827	49.7279441
													EAVAPVQEESDLEK	4	1	2xTMT6plex [N-Term; K14]	1.175	1.147	1.145	3.03154397	0	2002.074472	2	1001.540955	0.080186671	56.04360541
													ETQTPVMAQPK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M7]	1.463	-	-	1.157589674	0	1703.940228	3	568.6508789	-1.258442764	38.15923527
4505813	DYNLL1	dynein light chain 1, cytoplasmic	20.2247191	2	7	2	89	10.359	7.4	0.958	0.943	1.051														
													DIAAHIK	4	1	2xTMT6plex [N-Term; K7]	0.909	0.943	0.954	1.191167951	0	1225.766878	3	409.260437	-0.09838318	44.72054237
													NFGSYVTHETK	3	1	2xTMT6plex [N-Term; K11]	1.146	-	1.198	1.644146919	0	1740.932106	2	870.9712524	1.793713151	48.30421197
70995211	ECH1	delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial precursor	5.182926829	1	1	1	328	35.793	8	-	1.603	-														
													EVMLDAALALAAEISSK	1	1	2xTMT6plex [N-Term; K17]	-	1.603	-	1.088680148	0	2190.245577	3	730.7530518	-0.44507181	109.0333803
62530384	ECI1	enoyl-CoA delta isomerase 1, mitochondrial isoform 1 precursor	10.59602649	2	2	2	302	32.795	8.54	-	0.679	-														
													YCIGLNETQLGIIAPFWLK	1	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	-	0.78	-	1.046855092	0	2694.509337	3	898.84021	-1.209896415	104.6297653
													DADVQNFVSFISK	1	1	2xTMT6plex [N-Term; K13]	-	0.641	-	1.298955917	0	1928.052949	3	643.3556519	-0.28345881	93.9973355
322302700	ECM1	extracellular matrix protein 1 isoform 3 precursor	7.936507937	4	4	4	567	63.523	6.89	0.813	0.957	0.778														
													ELLALIQLER	1	1	1xTMT6plex [N-Term]	-	-	0.606	1.352101207	0	1426.883081	2	713.9447632	-0.582649569	96.59596233
													LLPAQLPAEK	1	1	2xTMT6plex [N-Term; K10]	0.813	-	-	0.994220674	0	1537.971786	2	769.4891357	-0.514154832	78.73388346
													ELPSLQHPNEQK	1	1	2xTMT6plex [N-Term; K12]	-	0.957	-	0.808294535	0	1878.048532	3	626.6875	-0.311722509	47.41901648
													NVALVSGDTENAK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.505	0.72028029	0	1775.990349	2	888.4992676	0.512354276	54.57144943
4503453	EDF1	endothelial differentiation-related factor 1 isoform alpha	12.16216216	2	2	2	148	16.359	9.95	0.221	0.673	-														
													KGPTAAQAK	1	1	3xTMT6plex [N-Term; K1; K9]	0.221	-	-	1.522074223	1	1558.988388	3	520.3342896	-0.046451697	30.77645092
													RGEDVETSK	1	1	2xTMT6plex [N-Term; K9]	-	0.673	-	1.390861988	1	1478.821493	3	493.6121521	0.27761216	23.42718508
55770888	EEA1	early endosome antigen 1	4.677533664	7	8	6	1411	162.367	5.66	1.346	1.014	1.294														
													QAQENLHDQVQEQK	2	1	2xTMT6plex [N-Term; K14]	1.494	-	1.549	1.836363316	0	2153.135115	3	718.3825684	-0.91185261	33.58621047
													SSVNELTQK	1	1	2xTMT6plex [N-Term; K9]	1.002	-	-	1.584164739	0	1463.846979	2	732.4268799	-0.338733749	48.58196451
													NQIGNQNK	1	1	2xTMT6plex [N-Term; K8]	-	0.514	-	1.611860514	0	1373.790133	2	687.3986816	-0.033657797	28.96006666
													GEGEIEK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.125	1.384847164	0	1219.693439	2	610.3504028	0.074153111	35.6391315
													VTNSTELQHQLDK	1	1	2xTMT6plex [N-Term; K13]	-	1.402	-	0.907722652	0	1971.091125	3	657.7029419	1.596701215	49.47291062
													TEELEGQIK	1	1	2xTMT6plex [N-Term; K9]	-	1.2	-	1.579738855	0	1504.862295	2	752.9331055	-2.233009965	52.58976016
													LNEELK	1	2	2xTMT6plex [N-Term; K6]	0.848	-	-	1.353881598	0	1203.73491	2	602.3709106	-0.303099075	50.22353762
4503471	EEF1A1	elongation factor 1-alpha 1	18.61471861	10	30	10	462	50.109	9.01	0.821	0.998	0.796														
													RGNVAGDSK	3	1	2xTMT6plex [N-Term; K9]	1.564	-	1.585	2.370135069	1	1361.790133	3	454.6014099	-0.335157129	21.48706329
													GNVAGDSK	2	1	2xTMT6plex [N-Term; K8]	-	0.942	0.968	0.839062572	0	1205.689022	2	603.3496704	2.523254552	26.82421199
													YYVTIIDAPGHR	4	1	1xTMT6plex [N-Term]	0.934	0.901	1.026	1.231674552	0	1633.889957	3	545.3005981	-1.662392497	61.76522784
													EAAEMGK	3	1	2xTMT6plex [N-Term; K7]	1.028	1.052	1.08	1.615499377	0	1193.66003	2	597.3339233	0.45240661	35.9874427
													EAAEMGK	1	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M5]	-	1.252	-	1.094776392	0	1209.654945	2	605.331604	0.815396007	25.05483264
													LPLQDVYK	2	1	2xTMT6plex [N-Term; K8]	0.422	-	0.441	1.11062181	0	1433.876823	3	478.6307373	0.583037573	77.60447242
													STTTGHLIYK	4	1	2xTMT6plex [N-Term; K10]	1.16	1.019	1.065	1.241200566	0	1578.925564	2	789.9658203	-0.759798326	44.2977455
													QLIVGVNK	2	1	2xTMT6plex [N-Term; K8]	-	1.134	1.324	1.633128285	0	1328.866592	2	664.9375	0.851108762	65.13446546
													QTVAVGVIK	4	1	2xTMT6plex [N-Term; K9]	0.394	0.412	0.422	2.150778055	0	1372.892807	3	458.3028259	0.813933322	57.43231357
													IGGIGTVPVGR	4	1	1xTMT6plex [N-Term]	1.118	1.187	1.17	1.491606474	0	1254.773137	2	627.8894043	-1.279009092	62.04696762
													EHALLAYTLGVK	1	1	2xTMT6plex [N-Term; K12]	-	1.023	-	1.184105396	0	1773.067477	3	591.6935425	-0.791068931	72.55012131
4503477	EEF1B2	elongation factor 1-beta	51.11111111	8	29	6	225	24.748	4.67	1.491	1.866	1.629														
													SIQADGLVWGSSK	6	1	2xTMT6plex [N-Term; K13]	1.271	1.325	1.452	1.2973665	0	1806.016169	3	602.6773682	0.765099566	71.924122
													SPAGLQVLNDYLADK	5	1	2xTMT6plex [N-Term; K15]	2.376	2.573	2.691	2.010485649	0	2062.158476	2	1031.583618	0.719269708	92.61881818
													LEECVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.426	1.110649109	0	1034.550197	2	517.7788086	0.139227174	35.78597296
													VGTDMLEEQITAFEDYVQSMDVAAFNK	3	1	2xTMT6plex [N-Term; K27]; 2xOxidation [M5; M20]	0.686	0.678	0.602	2.841697454	0	3541.711873	4	886.18396	0.603277123	102.4031872
													SSILLDVKPWDDETDMAK	1	1	3xTMT6plex [N-Term; K8; K18]	1.53	-	-	1.358103156	0	2750.488944	3	917.5023193	1.258295483	89.37108628
													SSILLDVKPWDDETDMAK	1	1	3xTMT6plex [N-Term; K8; K18]; 1xOxidation [M16]	1.911	-	-	0.795505881	0	2766.483859	3	922.8284302	-4.743043273	86.368024
													YGPADVEDTTGSGATDSK	2	1	2xTMT6plex [N-Term; K18]	-	1.575	1.494	1.334688067	0	2229.092307	3	743.7022095	-0.103899704	50.1764398
													KPALVAK	2	2	3xTMT6plex [N-Term; K1; K7]	-	0.484	0.479	1.44906044	0	1413.976032	3	471.9966736	-0.399460835	48.22646032
													LQIQCVVEDDK	8	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.343	1.312	1.451	1.594392776	0	1804.987906	3	602.3334961	-1.092012164	71.82196354
304555581	EEF1D	elongation factor 1-delta isoform 1	13.75579598	7	21	5	647	71.378	6.42	1.014	1.042	1.186														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SLAGSSGPGASSGTSGDHGELVVR	1	1	1xTMT6plex [N-Term]	0.687	-	-	2.925759315	0	2414.21091	3	805.4089355	0.556621055	46.62039275
													SIQLDGLVWGASK	2	1	2xTMT6plex [N-Term; K13]	1.18	-	1.188	1.154073	0	1832.068205	3	611.3588867	-3.328551706	91.82912467
													LVPVGYGIR	2	1	1xTMT6plex [N-Term]	-	1.12	1.089	1.336141467	0	1202.74586	2	601.8768921	0.538800182	68.66891111
													ATAPQTQHVSPMR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M12]	-	0.915	0.822	1.055132151	0	1668.868905	3	556.961731	1.039591	25.40069689
													VGTDLLEEEITK	4	1	2xTMT6plex [N-Term; K12]	-	1.007	1.321	2.610290051	0	1805.030816	2	903.0200195	1.078115943	84.15726779
													KPALVAK	2	2	3xTMT6plex [N-Term; K1; K7]	-	0.484	0.479	1.44906044	0	1413.976032	3	471.9966736	-0.399460835	48.22646032
													LQIQCVVEDDK	8	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.343	1.312	1.451	1.594392776	0	1804.987906	3	602.3334961	-1.092012164	71.82196354
4503481	EEF1G	elongation factor 1-gamma	35.01144165	12	22	12	437	50.087	6.67	2.088	2.249	1.835														
													QAFPNTNR	1	1	1xTMT6plex [N-Term]	-	1.768	-	0.81172663	0	1176.632286	2	588.8199463	0.280170899	31.27279392
													AVLGEVK	1	1	2xTMT6plex [N-Term; K7]	1.896	-	-	0.999411106	0	1173.76073	2	587.3841553	0.258610522	53.61462046
													ILGLLDAYLK	4	1	2xTMT6plex [N-Term; K10]	2.433	2.392	2.259	2.264856339	0	1577.007837	2	789.0075684	0.014793046	103.1758393
													ALIAAQYSGAQVR	2	1	1xTMT6plex [N-Term]	1.484	-	1.7	1.226081252	0	1576.900856	2	788.9538574	-0.265175993	55.44415144
													DPFAHLPK	2	1	2xTMT6plex [N-Term; K8]	2.167	-	1.845	0.931825221	0	1382.819642	2	691.9130859	-0.540153594	56.84233742
													STFVLDEFK	3	1	2xTMT6plex [N-Term; K9]	2.197	2.159	1.646	1.310685396	0	1543.877217	3	515.2972412	-0.029883975	82.96985586
													FPEELTQTFMSCNLITGMFQR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.488	1.408207178	0	2779.345495	3	927.1201172	0.10927123	104.3033157
													TFLVGER	1	1	1xTMT6plex [N-Term]	-	-	1.622	0.876196384	0	1050.614511	2	525.8114624	1.08236149	52.27171147
													LDPGSEETQTLVR	2	1	1xTMT6plex [N-Term]	-	2.155	1.968	0.792942464	0	1673.890745	2	837.4477539	-1.501816954	56.45826004
													VLSAPPHFHFGQTNR	1	1	1xTMT6plex [N-Term]	1.417	-	-	0.876087129	0	1937.03433	4	485.0134888	-1.138266803	56.35345138
													AAAPAPEEEMDECEQALAAEPK	3	1	2xTMT6plex [N-Term; K22]; 1xOxidation [M10];	1.886	2.171	2.147	1.507573485	0	2831.347946	3	944.4557495	1.677273598	60.89594538
													YSNEDTLSVALPYFWEHFDK	1	1	2xTMT6plex [N-Term; K20]	-	1.231	-	1.016589165	0	2919.460531	3	973.8236084	-1.458969779	98.8192577
4503483	EEF2	elongation factor 2	40.79254079	28	82	27	858	95.277	6.83	3.254	3.292	3.144														
													STLTDSLVCK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	3.453	3.576	-	0.982017517	0	1581.892215	2	791.4503174	0.722701341	59.71480209
													VFSGLVSTGLK	1	1	2xTMT6plex [N-Term; K11]	-	-	3.579	1.016066909	0	1565.9667	2	783.4868774	-0.141738127	88.35819707
													AYLPVNESFGFTADLR	2	1	1xTMT6plex [N-Term]	-	2.873	3.184	1.251732826	0	2029.059207	3	677.0252075	0.917670902	92.74814541
													WLPAGDALLQMITIHLPSPVTAQK	4	1	2xTMT6plex [N-Term; K24]	3.25	3.336	3.657	1.392780542	0	3058.752754	3	1020.254395	-1.348267278	106.115422
													WLPAGDALLQMITIHLPSPVTAQK	1	1	2xTMT6plex [N-Term; K24]; 1xOxidation [M11]	1.563	-	-	0.973572373	0	3074.747669	4	769.4428101	0.566223496	102.0913577
													EGALCEENMR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.32	1.653	1.394793749	0	1437.666365	2	719.3372803	0.63913777	37.75005502
													EGALCEENMR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M9];	-	3.761	-	0.548073232	0	1453.66128	2	727.3341675	-0.152524571	28.9738688
													NMSVIAHVDHGK	3	1	2xTMT6plex [N-Term; K12]	-	2.687	1.269	1.450305104	0	1765.978344	3	589.3324585	2.53570396	45.22546397
													NMSVIAHVDHGK	3	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M2]	2.712	3.014	2.771	1.099494576	0	1781.973259	4	446.2483826	-0.874786731	33.86626452
													SDPVVSYR	1	1	1xTMT6plex [N-Term]	-	3.131	-	0.895767927	0	1151.625804	2	576.3167114	0.297233321	38.7118368
													YFDPANGK	1	1	2xTMT6plex [N-Term; K8]	-	3.735	-	1.011802316	0	1369.751622	2	685.3794556	0.009003685	52.84560895
													GVQYLNEIK	3	1	2xTMT6plex [N-Term; K9]	3.444	-	3.25	1.416795731	0	1521.9041	2	761.4547729	-1.20290205	66.30204755
													ARPFPDGLAEDIDK	2	1	2xTMT6plex [N-Term; K14]	-	3.601	3.91	1.840885997	0	2002.100962	3	668.0378418	-0.993695829	66.47992034
													VFDAIMNFK	2	1	2xTMT6plex [N-Term; K9]	3.555	-	3.706	1.450620174	0	1542.875442	3	514.9613037	-3.94365418	95.64252992
													VFDAIMNFK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M6]	-	-	3.747	1.688434601	0	1558.870357	3	520.2949219	-0.093064185	86.63077874
													TFCQLILDPIFK	5	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	3.281	3.24	3.617	1.605003595	0	1953.128363	2	977.0671387	-0.697371599	100.5538382
													EGIPALDNFLDKL	2	1	2xTMT6plex [N-Term; K12]	-	6.055	6.406	0.861741543	1	1903.094085	3	635.0360718	-0.222431446	101.678781
													NPADLPK	1	1	2xTMT6plex [N-Term; K7]	3.768	-	-	0.800097227	0	1212.735244	3	404.9167786	0.44408156	49.09579122
													IMGPNYTPGK	5	1	2xTMT6plex [N-Term; K10]	2.9	3.19	2.147	1.309499145	0	1535.865606	3	512.6271973	0.932716293	58.68581766
													DLEEDHACIPIK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	3.003	-	3.779	1.438004494	0	1898.00937	2	949.507019	-1.374241932	59.66954224
													ETVSEESNVLCLSK	4	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	3.555	3.26	2.076	2.390148163	0	2053.088742	3	685.0343628	-0.100848585	68.37211543
													IWCFGPDGTGPNILTDITK	5	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	3.984	4.025	4.252	2.258245707	0	2563.363066	3	855.1252441	-0.736231301	100.2060173
													YVEPIEDVPCGNIVGLVGVDQFLVK	3	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	-	4.037	3.681	2.068359375	0	3217.758293	3	1073.260498	2.687420818	102.4903304
													STAISLFYELSENDLNFIK	3	1	2xTMT6plex [N-Term; K19]	4.038	2.564	7.759	2.718971729	0	2662.438005	3	888.1495972	-1.414795795	104.8920912
													CLYASVLTAQPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.966	-	-	1.690912604	0	1607.877678	2	804.4420166	-0.573325252	66.59780448
													DSVVAGFQWATK	5	1	2xTMT6plex [N-Term; K12]	3.337	3.024	3.453	2.46875	0	1766.984141	2	883.9943237	-1.567795091	81.24702999
													ALLELQLEPEELYQTFQR	4	1	1xTMT6plex [N-Term]	3.654	3.404	2.984	1.939455867	0	2449.317607	3	817.107605	-3.815302911	100.381853
													SATSPEGK	1	1	2xTMT6plex [N-Term; K8]	-	-	4.25	0.901716471	0	1234.704338	2	617.8563232	0.836017453	28.40215561
													GEGQLGPAER	1	1	1xTMT6plex [N-Term]	-	1.746	-	1.231562614	0	1242.66398	2	621.8356934	0.104468104	30.21690688
													CELLYEGPPDDEAAMGIK	2	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M15];	-	3.635	2.785	1.122196078	0	2482.224584	3	828.0785522	-1.402162295	75.26206343
													EGIPALDNFLDK	2	1	2xTMT6plex [N-Term; K12]	-	3.237	2.388	1.166478515	0	1790.010021	2	895.5090332	0.429230139	94.35229473
													GGGQIIPTAR	6	2	1xTMT6plex [N-Term]	2.19	2.218	3.378	2.045538664	0	1198.710537	2	599.8588867	-0.033187745	43.19347432
86788015	EFEMP1	EGF-containing fibulin-like extracellular matrix protein 1 precursor	33.46855984	11	21	11	493	54.604	5.07	0.669	0.695	0.682														
													IQCAAGYEQSEHNVCQDIDECTAGTHNCR	1	1	1xTMT6plex [N-Term]; 4xCarbamidomethyl	0.793	-	-	1.128412127	0	3652.547078	4	913.8936157	1.520944291	51.09448677
													TCQDINECETTNECR	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.936	-	-	1.032736659	0	2158.900083	2	1079.953369	-0.287780224	31.1500959
													CVCPVSNAMCR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M9];	0.504	-	-	0.620689034	0	1598.71089	2	799.8583374	-0.933267748	33.59984393
													LNCEDIDECR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.784	0.72	1.542421699	0	1552.693308	2	776.8511353	1.085576787	43.64855794
													QTSPVSAMLVLVK	2	1	2xTMT6plex [N-Term; K13]	0.716	0.605	-	0.879479587	0	1831.112712	2	916.0604248	0.469976189	96.12515135
													SGNENGEFYLR	1	1	1xTMT6plex [N-Term]	-	-	0.819	0.745997429	0	1514.743687	2	757.8760376	0.733810824	48.47913673
													SVPSDIFQIQATTIYANTINTFR	2	1	1xTMT6plex [N-Term]	0.544	0.713	-	1.862710238	0	2829.498424	3	943.8391113	1.539648984	100.0659906
													IPSNPSHR	1	1	1xTMT6plex [N-Term]	-	-	0.487	1.240284085	0	1136.637372	3	379.5509644	0.851737265	25.62565274
													NPCQDPYILTPENR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.808	0.818	0.95	1.798375249	0	1945.963927	2	973.4855957	-0.006297008	56.35469099
													CVNHYGGYLCLPK	2	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	0.722	0.866	-	1.482181907	0	2039.060694	3	680.3567505	-2.450145388	62.48599699
													EHIVDLEMLTVSSIGTFR	2	1	1xTMT6plex [N-Term]	0.654	0.83	-	1.002619267	0	2276.215784	3	759.40802	-2.757797152	95.41413519
20149675	EFHD2	EF-hand domain-containing protein D2	41.66666667	10	27	10	240	26.68	5.2	1.047	0.991	1.018														
													LSEIDVSSEGVK	5	1	2xTMT6plex [N-Term; K12]	0.971	0.931	0.96	1.556036949	0	1720.973302	3	574.3297729	0.850697483	65.38856554
													EFLLIFR	3	1	1xTMT6plex [N-Term]	0.941	0.888	0.951	1.319530725	0	1166.713497	2	583.8602905	-0.164877935	96.05218571
													ADLNQGIGEPQSPSR	2	1	1xTMT6plex [N-Term]	0.595	0.777	-	0.782846093	0	1797.929256	2	899.4676514	-0.683939939	53.28685626
													AAAGELQEDSGLCVLAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.973	-	-	0.795709968	0	1989.027256	2	995.0167847	-0.484052725	69.370017
													VFNPYTEFK	6	1	2xTMT6plex [N-Term; K9]	0.977	0.991	0.972	2.197754145	0	1602.893201	3	534.9699097	1.232024632	80.8314031
													EVDEDFDSK	3	1	2xTMT6plex [N-Term; K9]	1.202	1.194	1.248	1.430983424	0	1541.773539	2	771.3889771	-1.856134098	51.37553176

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VQAINVSSR	1	1	1xTMT6plex [N-Term]	-	0.704	-	1.28938055	0	1202.705451	2	601.8557739	-0.98109511	41.47647479
													RADLNQGIGEPQSPSR	1	1	1xTMT6plex [N-Term]	-	-	0.67	0.835449994	1	1954.030367	3	652.0151367	0.250843722	36.57355241
													DGFIDLMELK	2	1	2xTMT6plex [N-Term; K10]	-	0.763	1.16	2.344635487	0	1638.917701	2	819.9632568	0.9371806	97.3134905
													LGAPQTHLGLK	3	1	2xTMT6plex [N-Term; K11]	1.136	1.124	1.163	1.851595521	0	1592.988833	3	531.6674805	-0.592906699	57.30843775
33359682	EFNA1	ephrin-A1 isoform a precursor	4.87804878	1	1	1	205	23.772	6.83	-	-	0.786														
													RLAADDPEVR	1	1	1xTMT6plex [N-Term]	-	-	0.786	1.211375594	1	1370.758943	3	457.5915833	0.914286108	32.43885363
4758248	EFNB1	ephrin-B1 precursor	13.58381503	4	12	4	346	37.982	8.94	0.865	0.991	0.893														
													AEAGRPYEYYK	1	1	2xTMT6plex [N-Term; K11]	-	0.911	-	1.057478905	0	1804.963406	3	602.326355	0.612777745	42.86739838
													FQEFSPNYMGLEFK	2	1	2xTMT6plex [N-Term; K14]	-	1.125	1.339	1.543404102	0	2195.124734	2	1098.057495	-7.753507291	95.28339281
													FQEFSPNYMGLEFK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M9]	0.636	-	0.622	1.576235771	0	2211.119649	3	737.708374	-4.106385511	90.01172371
													NLEPVSWSSLNPK	6	1	2xTMT6plex [N-Term; K13]	0.932	1.008	0.939	2.922703981	0	1929.084583	3	643.6968994	-4.374270514	79.11875397
													HETVNQEEK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.114	1.509784102	0	1571.842956	3	524.6188965	-0.521678627	22.74827136
4758250	EFNB2	ephrin-B2 precursor	17.71771772	5	18	5	333	36.9	8.85	1.257	1.253	1.26														
													VGQDASSAGSTR	4	1	1xTMT6plex [N-Term]	1.383	1.381	1.377	1.840034127	0	1364.696737	2	682.8515015	-0.740494416	33.87115455
													FLPGQGLVLYPQIGDK	5	1	2xTMT6plex [N-Term; K16]	1.139	1.218	1.166	2.223702192	0	2203.289097	2	1102.14624	-1.766840881	96.92269493
													LDIICPK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	-	1.296	0.814007282	0	1316.801215	2	658.9050293	1.189787594	73.71086856
													FQEFSPNLWGLEFQK	5	1	2xTMT6plex [N-Term; K15]	1.232	1.256	1.324	2.288390398	0	2328.242875	2	1164.624146	-0.799042228	99.49383974
													TVGQYEYYK	3	1	2xTMT6plex [N-Term; K9]	1.269	1.326	1.268	2.033671141	0	1608.86738	2	804.9367065	-0.772981091	55.85393301
217272892	EFTUD2	116 kDa U5 small nuclear ribonucleoprotein component isoform a	2.263374486	2	7	1	972	109.366	5	-	1.576	-														
													SFVEFILEPLYK	1	1	2xTMT6plex [N-Term; K12]	-	1.576	-	1.244966745	0	1943.129408	3	648.3808594	-0.71196236	104.4724373
													GGGQIIPTAR	6	2	1xTMT6plex [N-Term]	2.19	2.218	3.378	2.045538664	0	1198.710537	2	599.8588867	-0.033187745	43.19347432
150378549	EHBP1L1	EH domain-binding protein 1-like protein 1	1.181877873	1	1	1	1523	161.756	4.83	-	1.06	-														
													ETQAQACPQEGTEAHGAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.06	-	1.387310505	0	2170.014459	3	724.0089722	-0.965719876	24.99903472
5032133	EIF1	eukaryotic translation initiation factor 1	11.50442478	1	2	1	113	12.725	7.44	-	1.531	1.26														
													NICQFLVEIGLAK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	1.531	1.26	0.926013947	0	1963.145075	3	655.0531616	-0.073263418	103.3627864
33356163	EIF1AY	eukaryotic translation initiation factor 1A, Y-chromosomal isoform 1	19.44444444	3	7	3	144	16.432	5.24	1.511	1.538	1.55														
													AYGELPEHAK	3	1	2xTMT6plex [N-Term; K10]	1.511	1.568	1.582	1.518969297	0	1572.878613	3	524.9648438	0.867524034	42.97348374
													EDGQEYAQVIK	2	1	2xTMT6plex [N-Term; K11]	-	1.197	1.225	1.999174356	0	1737.942336	2	869.4789429	4.760400859	60.00436594
													NENESEK	2	1	2xTMT6plex [N-Term; K7]	-	1.586	1.484	1.468066692	0	1307.68433	2	654.3448486	-1.460409313	26.26628328
4503503	EIF2B1	translation initiation factor eIF-2B subunit alpha	6.557377049	1	2	1	305	33.691	7.33	1.407	0.832	-														
													ADLVIVGAEGVVENGGIINK	2	1	2xTMT6plex [N-Term; K20]	1.407	0.832	-	1.474040747	0	2425.406645	3	809.1372681	-3.87337142	95.59989709
4758256	EIF2S1	eukaryotic translation initiation factor 2 subunit 1	20.95238095	7	13	7	315	36.089	5.08	0.897	0.986	1.042														
													VSPEEAIK	1	1	2xTMT6plex [N-Term; K8]	1.017	-	-	0.988156319	0	1330.798238	2	665.9031982	0.662665722	51.63820671
													INLIAPPR	2	1	1xTMT6plex [N-Term]	0.735	0.788	-	1.397172332	0	1122.719645	2	561.8634644	0.006493997	67.01725869
													VVTDTDETELAR	3	1	1xTMT6plex [N-Term]	1.016	1.043	1.124	1.480626941	0	1577.821997	2	789.4157715	1.438387064	55.83929044
													RPGYGAYDAFK	1	1	2xTMT6plex [N-Term; K11]	0.752	-	-	1.096501231	0	1702.931712	3	568.3152466	-0.308393991	49.18119312
													GYIDLSK	1	1	2xTMT6plex [N-Term; K7]	1.084	-	-	0.874649704	0	1253.75056	2	627.378479	-0.70045208	58.87154813
													HVAEVLEYTK	3	1	2xTMT6plex [N-Term; K10]	-	1.052	1.034	1.953137159	0	1646.951778	2	823.9803467	0.994776773	57.64748996
													DEQLESLFQR	2	1	1xTMT6plex [N-Term]	-	0.923	0.975	1.463585734	0	1493.779738	2	747.3937988	0.39018219	72.93398044
29826335	EIF2S2	eukaryotic translation initiation factor 2 subunit 2 isoform 1	9.60960961	3	6	3	333	38.364	5.8	1.073	1.241	1.305														
													IFDIDEAEEGVK	3	1	2xTMT6plex [N-Term; K12]	1.082	1.108	1.119	1.467679143	0	1822.983866	3	608.329834	-4.89172013	82.54556417
													DLEADEEDTR	2	1	1xTMT6plex [N-Term]	-	1.559	1.543	1.772829771	0	1421.659348	2	711.333313	0.000792428	43.51924446
													DEALEDEDNK	1	1	2xTMT6plex [N-Term; K10]	1.04	-	-	0.759420156	0	1635.811381	2	818.4082642	-1.301800264	39.74205419
4503507	EIF2S3	eukaryotic translation initiation factor 2 subunit 3	24.78813559	9	15	9	472	51.077	8.4	1.166	0.917	1.035														
													HILILQNK	1	1	2xTMT6plex [N-Term; K8]	1.354	-	-	0.904723704	0	1436.935341	3	479.6504822	1.080544934	54.70002091
													QDLTTLDVTK	3	1	2xTMT6plex [N-Term; K10]	0.854	0.962	0.904	1.062543869	0	1591.930709	2	796.4692993	0.385351454	69.4476225
													GGVAGGSILK	2	1	2xTMT6plex [N-Term; K10]	-	0.978	0.978	2.001472473	0	1316.830207	2	658.9188843	0.216493126	52.57401549
													EQYEQILAFVQGTVAEGAPIIPISAQLK	3	1	2xTMT6plex [N-Term; K28]	-	0.949	1.044	1.788685322	0	3471.950327	3	1157.988037	-0.221602213	107.3241469
													VGQEIEVRPGIVSK	1	1	2xTMT6plex [N-Term; K14]	0.937	-	-	0.805877805	0	1969.184632	3	657.0654297	-1.470597248	60.59398073
													SFDVNKPGCEVDDLK	1	1	3xTMT6plex [N-Term; K6; K15]; 1xCarbamidomethyl	-	0.922	-	0.972154677	0	2410.289122	3	804.1000366	-1.479360582	65.78578485
													YNIEVVCEYIVK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	0.924	-	1.308863521	0	1987.097457	3	663.0376587	0.486289294	92.44190729
													AISGVHTVR	2	1	1xTMT6plex [N-Term]	-	0.828	1.092	1.393374205	0	1168.699972	3	390.2385254	0.899274322	30.34412996
													GVTIKPTVDDD	1	1	2xTMT6plex [N-Term; K5]	-	-	1.093	1.42165947	0	1617.909973	2	809.4593506	0.897115352	60.52309596
4503509	EIF3A	eukaryotic translation initiation factor 3 subunit A	6.946454414	8	14	8	1382	166.468	6.79	1.148	1.107	1.166														
													NICQQVNIK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	1.128	1.105688691	0	1574.908868	2	787.9559326	-2.717278258	52.71429399
													FNVLQYVVPEVK	1	1	2xTMT6plex [N-Term; K12]	1.104	-	-	1.589464664	0	1893.124992	3	631.7126465	-0.848040611	98.99167885
													LTSLVPFVDAFQLER	5	1	1xTMT6plex [N-Term]	1.249	1.14	1.263	1.474539995	0	1964.105429	2	982.5562134	-0.14210652	103.1583846
													HCDLQVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.164	0.999	1.803601027	0	1156.609443	3	386.2084961	1.290255116	28.86492743
													EPELQQYVPQLQNNTILR	2	1	1xTMT6plex [N-Term]	-	0.842	1.228	1.093241096	0	2412.308439	3	804.7736816	-0.807201141	88.43395894
													LLQQVSQIYQSIEFSR	1	1	1xTMT6plex [N-Term]	-	-	0.646	1.463225484	0	2168.191284	3	723.4013672	-0.800527847	99.93119324
													AREESWGPPR	1	1	1xTMT6plex [N-Term]	-	-	1.091	1.301657438	1	1413.743628	3	471.9199829	1.250531167	33.70562513
													ILQEHEQIK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.311	1.255464792	0	1595.952113	3	532.6560669	0.961603786	52.69075888
33239445	EIF3B	eukaryotic translation initiation factor 3 subunit B	9.213759214	6	9	6	814	92.424	5	1.232	1.393	1.292														
													AQAVSEDAGGNEGR	1	1	1xTMT6plex [N-Term]	-	1.018	-	2.473286152	0	1589.771693	2	795.3885498	-1.176018314	25.95673216
													GTYLATFHQR	3	1	1xTMT6plex [N-Term]	1.286	1.292	1.233	2.09666729	0	1422.769114	3	474.9282227	0.703331792	44.04077849
													GTQGVVTNFEIFR	1	1	1xTMT6plex [N-Term]	1.043	-	-	1.086550593	0	1696.921986	2	848.961731	-3.41819246	79.95415616
													FAVLHGEAPR	2	1	1xTMT6plex [N-Term]	-	1.892	1.433	1.714715004	0	1325.752736	3	442.5901184	2.312817863	48.9984411
													VNLFTDFDK	1	1	2xTMT6plex [N-Term; K9]	1.16	-	-	1.612722516	0	1556.872465	2	778.9377441	-2.73229108	87.35449577
													DFSWSPGGNIIAFWVPEDK	1	1	2xTMT6plex [N-Term; K19]	-	1.187	-	1.620038629	0	2623.359695	3	875.1254272	0.775043653	102.50462
153791492	EIF3CL	eukaryotic translation initiation factor 3 subunit C-like protein	5.251641138	5	6	5	914	105.407	5.64	-	1.165	1.115														
													QLTPPEGSSK	1	1	2xTMT6plex [N-Term; K10]	-	1.053	-	1.184495211	0	1501.862629	2	751.4343262	-0.834521231	46.04222645
													CLEEFELLGK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.415	-	1.716803074	0	1695.939165	2	848.4725342	-0.80978767	89.22637676

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													QNPEQSADEDAEK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.126	1.358146191	0	1918.939435	3	640.3190918	1.712941307	33.6203546
													GTTEEVCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.027	0.590916634	0	1180.582953	2	590.795166	0.086653165	23.99452687
													LQEESLR	4	1	1xTMT6plex [N-Term]	-	1.164	1.148	1.303957343	0	1103.625804	2	552.3167114	0.310160891	46.90360311
4503523	EIF3D	eukaryotic translation initiation factor 3 subunit D	1.642335766	1	1	1	548	63.932	6.05	-	1.216	-														
													GAVIATELK	1	1	2xTMT6plex [N-Term; K9]	-	1.216	-	1.620048881	0	1359.861173	2	680.4342041	-0.030162546	62.04867289
4503521	EIF3E	eukaryotic translation initiation factor 3 subunit E	2.02247191	1	1	1	445	52.187	6.04	0.818	-	-														
													MLFDYLADK	1	1	2xTMT6plex [N-Term; K9]	0.818	-	-	1.205767393	0	1573.870023	2	787.4385376	-0.142390848	94.89750604
4503519	EIF3F	eukaryotic translation initiation factor 3 subunit F	7.843137255	3	8	3	357	37.54	5.45	1.193	0.886	1.198														
													VIGTLLGTVDK	5	1	2xTMT6plex [N-Term; K11]	1.306	1.335	1.238	1.722659588	0	1573.992915	2	787.5003662	0.343624085	92.69734126
													VSADNTVGR	2	1	1xTMT6plex [N-Term]	0.861	0.669	-	1.995629668	0	1147.626867	2	574.3167114	-0.627641665	29.01490945
													IGVDLIMK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.126	0.872210324	0	1346.848165	2	673.9276733	-0.070587253	87.62941177
49472822	EIF3G	eukaryotic translation initiation factor 3 subunit G	17.1875	4	5	4	320	35.589	6.13	1.006	0.903	1.494														
													ADDNATIR	1	1	1xTMT6plex [N-Term]	-	-	1.494	1.206739187	0	1104.584667	2	552.7965088	0.97192923	26.45061564
													LPGELEPVQATQNK	2	1	2xTMT6plex [N-Term; K14]	0.788	0.613	-	1.483369708	0	1982.132262	3	661.3825684	0.449055869	68.30983475
													EVINGNIK	1	1	2xTMT6plex [N-Term; K8]	1.379	-	-	0.702555776	0	1344.825121	2	672.9159546	-0.363534488	49.13444787
													GIPLATGDTSPEPELLPGAPLPPPK	1	1	2xTMT6plex [N-Term; K25]	-	1.52	-	1.888562083	0	2922.659231	4	731.4196777	-0.804076806	95.65949416
4503515	EIF3H	eukaryotic translation initiation factor 3 subunit H	5.113636364	2	2	2	352	39.905	6.54	1.196	1.283	-														
													TAQGSLSLK	1	1	2xTMT6plex [N-Term; K9]	1.196	-	-	1.130510688	0	1362.835686	2	681.9215088	0.040245589	48.78818714
													EFTAQNLGK	1	1	2xTMT6plex [N-Term; K9]	-	1.283	-	1.067487955	0	1465.8415	2	733.4241333	-0.347758225	55.5816406
4503513	EIF3I	eukaryotic translation initiation factor 3 subunit I	9.538461538	3	5	3	325	36.479	5.64	1.238	1.419	1.375														
													SYSSGGEDGYVR	1	1	1xTMT6plex [N-Term]	-	1.397	-	1.333167434	0	1505.706967	2	753.3569336	-0.250103445	43.67026735
													SGEVLVNVK	1	1	2xTMT6plex [N-Term; K9]	1.169	-	-	1.072806716	0	1402.866986	2	701.9371338	0.00337033	56.14392723
													EGDLLFTVAK	3	1	2xTMT6plex [N-Term; K10]	1.307	1.442	1.375	2.139681578	0	1550.919416	2	775.9650879	2.246081399	84.20780442
83281438	EIF3J	eukaryotic translation initiation factor 3 subunit J isoform 1	8.139534884	2	6	2	258	29.045	4.83	1.884	1.913	1.65														
													ITNSLTVLCSEK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.785	1.69	1.379	1.421141744	0	1823.034856	3	608.3483887	-2.327719824	76.43487148
													RLEEPEEPK	3	1	2xTMT6plex [N-Term; K9]	1.935	2.017	1.921	1.815776467	1	1584.899743	3	528.9716187	0.353269684	45.91927237
10801345	EIF3K	eukaryotic translation initiation factor 3 subunit K isoform 1	13.76146789	2	4	2	218	25.043	4.93	1.381	1.465	1.359														
													ALTNLPHTDFTLCK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.381	-	1.139	1.74329114	0	2089.151617	3	697.0557861	0.568579335	77.3925585
													WLLAEMLGDLSDSQLK	2	1	2xTMT6plex [N-Term; K16]	-	1.465	1.59	1.638794899	0	2277.256476	3	759.7564697	-0.711356112	106.3228228
7705433	EIF3L	eukaryotic translation initiation factor 3 subunit L isoform 1	2.304964539	1	1	1	564	66.684	6.34	0.924	-	-														
													LAGFLDLTEQEFR	1	1	1xTMT6plex [N-Term]	0.924	-	-	1.93318069	0	1767.947866	2	884.4779663	0.446815883	97.89225808
23397429	EIF3M	eukaryotic translation initiation factor 3 subunit M isoform 1	2.941176471	1	1	1	374	42.476	5.63	-	1.345	-														
													WISDWNLTTEK	1	1	2xTMT6plex [N-Term; K11]	-	1.345	-	1.202726841	0	1851.00527	3	617.6730347	-0.388802833	89.03757901
4503529	EIF4A1	eukaryotic initiation factor 4A-I isoform 1	27.09359606	9	23	5	406	46.125	5.48	2.57	2.759	1.808														
													DQIYDIFQK	2	1	2xTMT6plex [N-Term; K9]	2.482	-	2.236	0.932262301	0	1627.909579	2	814.4556885	-3.365608843	86.27999978
													LQMEAPHIIVGTPGR	2	1	1xTMT6plex [N-Term]	2.148	1.933	-	1.435753345	0	1848.036304	3	616.6855469	3.129519148	68.13428646
													LQMEAPHIIVGTPGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	-	1.285	1.043337822	0	1864.031219	3	622.0150757	-0.29243567	60.69728186
													ATQALVLAPTR	3	1	1xTMT6plex [N-Term]	2.001	2.662	2.561	1.186174512	0	1369.836465	2	685.421814	-0.083221841	56.37781249
													LNSNTQVVLLSATMPSDVLEVTK	2	1	2xTMT6plex [N-Term; K23]	2.775	2.634	-	1.078463793	0	2917.63203	3	973.2183838	2.936657913	98.40849934
													KEELTLEGIR	2	1	2xTMT6plex [N-Term; K1]	3.515	3.453	-	1.355330706	1	1645.988892	3	549.3339233	-1.01785041	56.00237476
													KVDWLTEK	1	3	3xTMT6plex [N-Term; K1; K8]	-	1.92	-	1.30072248	1	1706.045568	3	569.3540649	1.215257234	64.83916707
													QFYINVEREEWK	1	2	2xTMT6plex [N-Term; K12]	-	-	1.184	1.499298692	1	2099.132596	3	700.3838501	2.096548344	71.09701882
													GYDVIAQAQSGTGK	8	2	2xTMT6plex [N-Term; K14]	3.418	3.804	4.331	2.913874626	0	1853.016898	3	618.3428345	-1.590661173	57.00117468
													ELAQQIQK	1	2	2xTMT6plex [N-Term; K8]	-	3.309	-	1.556516886	0	1415.862235	2	708.4343872	-0.520817576	50.80523494
83700235	EIF4A2	eukaryotic initiation factor 4A-II	14.98771499	6	14	2	407	46.373	5.48	6.195	4.765	5.165														
													KEELTLEGIK	1	1	3xTMT6plex [N-Term; K1; K10]	6.195	-	-	1.799439549	1	1847.145676	3	616.387085	0.555177009	64.14454373
													DQIYEIFQK	2	1	2xTMT6plex [N-Term; K9]	-	4.765	5.165	1.88748312	0	1641.925229	3	547.9806519	1.323456372	84.87481602
													KVDWLTEK	1	3	3xTMT6plex [N-Term; K1; K8]	-	1.92	-	1.30072248	1	1706.045568	3	569.3540649	1.215257234	64.83916707
													QFYINVEREEWK	1	2	2xTMT6plex [N-Term; K12]	-	-	1.184	1.499298692	1	2099.132596	3	700.3838501	2.096548344	71.09701882
													GYDVIAQAQSGTGK	8	2	2xTMT6plex [N-Term; K14]	3.418	3.804	4.331	2.913874626	0	1853.016898	3	618.3428345	-1.590661173	57.00117468
													ELAQQIQK	1	2	2xTMT6plex [N-Term; K8]	-	3.309	-	1.556516886	0	1415.862235	2	708.4343872	-0.520817576	50.80523494
7661920	EIF4A3	eukaryotic initiation factor 4A-III	4.379562044	2	2	1	411	46.841	6.73	-	0.932	-														
													RDELTLEGIK	1	1	2xTMT6plex [N-Term; K10]	-	0.932	-	1.8888098	1	1631.973242	3	544.6644287	3.364517672	55.78544718
													KVDWLTEK	1	3	3xTMT6plex [N-Term; K1; K8]	-	1.92	-	1.30072248	1	1706.045568	3	569.3540649	1.215257234	64.83916707
664805999	EIF4B	eukaryotic translation initiation factor 4B isoform 1	17.85714286	10	26	10	616	69.657	5.67	1.765	2.296	2.052														
													EDDSSASTSQSTR	8	1	1xTMT6plex [N-Term]	2.118	2.032	2.323	2.156843424	0	1599.729553	3	533.9147949	0.174145451	17.8034052
													VAPAQPSEEGPGRK	2	1	2xTMT6plex [N-Term; K14]	-	2.477	3.068	1.435472727	1	1881.059431	3	627.6906738	-1.043547903	34.69294002
													SPPYTAFLGNLPYDVTEESIK	2	1	2xTMT6plex [N-Term; K21]	3.231	-	1.896	2.801783562	0	2799.485683	3	933.8287354	-5.0118725	98.19782239
													VMPAPPPK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M2]	1.317	-	-	1.070125461	0	1310.790651	2	655.8988647	-0.150914879	44.74673347
													TGSESSQTGTSTTSSR	4	1	1xTMT6plex [N-Term]	-	1.973	1.75	2.204750776	0	1802.856544	2	901.9315186	-0.434727115	18.66231974
													VDVADQAQDK	3	1	2xTMT6plex [N-Term; K10]	2.06	1.996	3.163	2.145657301	0	1546.847707	2	773.9290161	1.970702448	47.16135079
													SQSSDTEQQSPTSGGGK	2	1	2xTMT6plex [N-Term; K17]	-	1.442	1.798	1.822066545	0	2139.05659	3	713.6900635	-0.445434832	25.7711475
													VAPAQPSEEGPGR	2	1	1xTMT6plex [N-Term]	-	2.002	1.267	0.989257634	0	1523.801536	2	762.4042969	-0.143798254	43.76479341
													IRVDVADQAQDK	1	1	2xTMT6plex [N-Term; K12]	-	3.302	-	1.447846413	1	1816.032882	3	606.0162354	0.699703568	49.61278042
													KPEENPASK	1	1	3xTMT6plex [N-Term; K1; K9]	-	-	1.656	1.04997921	0	1686.999346	3	563.0046997	0.118275739	36.87017015
194578909	EIF4E	eukaryotic translation initiation factor 4E isoform 2	6.048387097	1	2	1	248	28.76	6.42	1.489	1.581	-														
													TESNQEVANPEHYIK	2	1	2xTMT6plex [N-Term; K15]	1.489	1.581	-	2.134533167	0	2217.155182	3	739.7221069	-1.539964025	50.46232297
302699245	EIF4G1	eukaryotic translation initiation factor 4 gamma 1 isoform 6	7.721046077	11	17	11	1606	176.098	5.34	1.114	0.954	1.24														
													IRDPNQGGK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.035	1.655347943	1	1442.847982	3	481.6211548	0.643862334	29.69970471
													AQPPSSAASR	2	1	1xTMT6plex [N-Term]	0.639	0.686	-	1.128835201	0	1200.653416	2	600.8302612	-0.141405555	22.45959076
													EDAFYSWESSK	1	1	2xTMT6plex [N-Term; K11]	1.014	-	-	0.84300977	0	1806.895051	2	903.9503784	-0.869477207	70.14968895
													EFLPEGQDIGAFVAEQK	3	1	2xTMT6plex [N-Term; K17]	1.267	-	1.4	2.968886375	0	2336.253833	3	779.4237671	1.247612519	91.79289531

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													AASLTEDRDR	1	1	1xTMT6plex [N-Term]	0.899	-	-	1.130089641	1	1362.717472	3	454.9107056	0.066873156	23.9903191
													DPAEQQGK	1	1	2xTMT6plex [N-Term; K8]	1.755	-	-	1.02073276	0	1330.7367	2	665.871521	-0.702601658	28.37290754
													EAVGDLLDAFK	2	1	2xTMT6plex [N-Term; K11]	1.23	1.221	-	1.904209971	0	1635.935794	2	818.4713745	-0.19655818	94.74550792
													EAVQCVQELASPSLLFIFVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.24	1.146	-	1.096657515	0	2535.384247	3	845.7988892	-0.841079428	104.9577158
													GVIDLIFEK	1	1	2xTMT6plex [N-Term; K9]	1.414	-	-	0.967595637	0	1491.918687	2	746.4620972	-1.18620678	97.74938028
													AALSEEELEK	2	1	2xTMT6plex [N-Term; K10]	0.929	0.917	-	1.792739749	0	1576.883424	2	788.9446411	-0.899497969	55.46104639
													ALPSEELNR	1	1	1xTMT6plex [N-Term]	-	-	1.532	0.731209457	0	1257.700031	2	629.3549194	2.012258189	49.0096171
289577116	EIF4G2	eukaryotic translation initiation factor 4 gamma 2 isoform 1	0.992282249	1	1	1	907	102.297	7.14	-	-	0.966														
													ASSLISLLK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.966	1.10619545	0	1389.908123	2	695.4576416	-0.0836004	93.64753767
11559923	EIF4H	eukaryotic translation initiation factor 4H isoform 1	14.11290323	2	2	2	248	27.368	7.23	2.344	1.665	-														
													EEVVQK	1	1	2xTMT6plex [N-Term; K6]	-	1.665	-	1.498708248	0	1189.719259	2	595.3634033	0.227415521	38.816356
													ELPTEPPYTAYVGNLPFNTVQGDIDAIFK	1	1	2xTMT6plex [N-Term; K29]	2.344	-	-	0.755600631	0	3667.929986	3	1223.314575	-0.221796508	103.9835358
21361337	EIF5	eukaryotic translation initiation factor 5	2.088167053	1	2	1	431	49.192	5.58	-	2.935	1.674														
													VNILFDFVK	2	1	2xTMT6plex [N-Term; K9]	-	2.935	1.674	0.854182839	0	1552.950322	2	776.9786987	-0.129488406	101.0429541
219555707	EIF5A	eukaryotic translation initiation factor 5A-1 isoform A	36.95652174	5	8	5	184	20.157	7.01	0.806	0.822	-														
													LPEGDLGK	1	1	2xTMT6plex [N-Term; K8]	0.645	-	-	0.890863657	0	1286.772023	2	643.8898926	0.377119055	55.88482074
													VHLVGIDIFTGK	2	1	2xTMT6plex [N-Term; K12]	0.855	0.943	-	1.252163768	0	1757.072562	3	586.362854	0.823273751	90.00036016
													NGFVVLK	1	1	2xTMT6plex [N-Term; K7]	0.912	-	-	1.447174191	0	1234.792365	2	617.9006348	1.318473694	67.40732926
													YEDICPSTHNMDVPNIK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	0.832	-	1.583420634	0	2491.236151	3	831.085144	1.897667912	70.06095855
													RNDFQLIGIQDGYLSLLQDSGEVR	3	1	1xTMT6plex [N-Term]	0.623	0.755	-	3.281826496	1	2965.558064	3	989.1871338	-3.782162604	95.25315432
84043963	EIF5B	eukaryotic translation initiation factor 5B	2.786885246	3	5	3	1220	138.742	5.49	1.08	1.016	1.261														
													EELETGK	1	1	2xTMT6plex [N-Term; K7]	-	0.925	-	1.357343674	0	1263.719653	2	632.3626709	-1.256721078	39.81524104
													DDIDLDALAAEIEGAGAAK	3	1	2xTMT6plex [N-Term; K19]	1.08	1.222	1.261	1.374640584	0	2316.233492	3	772.7493286	-0.025511313	98.28286435
													EDEIPVLK	1	1	2xTMT6plex [N-Term; K8]	-	1.153	-	1.076185703	0	1400.840103	2	700.9241333	0.633342493	68.27918098
4504771	EIF6	eukaryotic translation initiation factor 6 isoform a	26.93877551	4	9	4	245	26.582	4.68	1.183	1.14	1.098														
													NSLPDTVQIR	3	1	1xTMT6plex [N-Term]	1.291	1.191	-	1.841733217	0	1371.779344	2	686.3939209	0.889973216	52.0561266
													HGLLVPNNTTDQELQHIR	1	1	1xTMT6plex [N-Term]	-	1.054	-	1.54247129	0	2314.246507	3	772.0856323	-1.799145999	55.68082581
													ASFENNCEIGCFAK	1	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	1.12	-	-	1.253029346	0	2105.019617	2	1053.013184	-0.250155626	68.23126331
													TSIEDQDELSSLLQVPLVAGTVNR	4	1	1xTMT6plex [N-Term]	0.88	1.093	1.098	1.716628194	0	2813.509383	4	704.1315918	-1.722230795	99.6931769
4503549	ELANE	neutrophil elastase preproprotein	3.745318352	1	3	1	267	28.5	9.35	0.786	0.75	0.804														
													SEDNPCPHPR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.786	0.75	0.804	1.684057355	0	1437.674228	3	479.8962402	-0.041864056	20.88160476
14150203	ELOF1	transcription elongation factor 1 homolog	21.68674699	1	1	1	83	9.456	8	0.978	-	-														
													MTGTLETQFTCPFCNHEK	1	1	2xTMT6plex [N-Term; K18]; 2xCarbamidomethyl	0.978	-	-	0.960140765	0	2659.271885	4	665.5750732	2.473571351	90.45450149
38348215	EMB	embigin precursor	2.752293578	1	3	1	327	36.858	6.54	0.129	0.138	0.152														
													EFEQIEQLK	3	1	2xTMT6plex [N-Term; K9]	0.129	0.138	0.152	1.508960724	0	1621.920144	3	541.3135986	3.760202659	67.35036327
300795584	EML2	echinoderm microtubule-associated protein-like 2 isoform 1	9.294117647	7	10	7	850	92.012	7.06	1.084	1.075	0.944														
													VVLWGSDYSK	2	1	2xTMT6plex [N-Term; K10]	-	1.062	0.947	1.257546663	0	1611.914665	2	806.4608765	-0.116836404	75.26230978
													HYLGHNDDIK	1	1	2xTMT6plex [N-Term; K10]	-	1.095	-	0.623749912	0	1669.906225	4	418.2322083	0.465863173	43.7513102
													AQFVTCGQDK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	0.809	-	1.208329082	0	1611.856498	2	806.4316406	-0.306168695	55.32687849
													TVAEGHGDTLYVGTTR	1	1	1xTMT6plex [N-Term]	0.775	-	-	0.91866523	0	1905.986771	3	636.0003052	-0.214247372	43.81642741
													LQEVEVPEDFGPVR	2	1	1xTMT6plex [N-Term]	1.037	-	1.031	2.186931133	0	1842.979894	3	614.9990845	1.522408344	80.1293035
													DGTLVSGGGR	1	1	1xTMT6plex [N-Term]	-	-	0.916	1.299593091	0	1147.626867	2	574.317627	0.967872296	33.09658167
													QITSADAVR	2	1	1xTMT6plex [N-Term]	1.223	1.119	-	1.957152009	0	1189.673817	2	595.3405151	-0.053003236	35.97466134
4503571	ENO1	alpha-enolase isoform 1	63.3640553	19	148	17	434	47.139	7.39	1.308	1.428	1.341														
													LMIEMDGTENK	1	1	2xTMT6plex [N-Term; K11]	1.366	-	-	2.313599348	0	1738.911964	3	580.3081055	-1.265477377	72.14793441
													LMIEMDGTENK	5	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M]	1.489	1.447	1.485	1.340148926	0	1754.906879	3	585.6411743	1.191510071	59.87134179
													LMIEMDGTENK	1	1	2xTMT6plex [N-Term; K11]; 2xOxidation [M2; M5]	-	-	1.209	0.715098023	0	1770.901794	2	885.9541016	-0.489696833	52.35723408
													TIAPALVSK	3	1	2xTMT6plex [N-Term; K9]	1.316	-	1.275	1.056467891	0	1357.881908	2	679.4442749	-0.467548252	64.40538863
													AVEHINK	4	1	2xTMT6plex [N-Term; K7]	1.19	1.318	1.296	2.338779211	0	1268.772692	2	634.888916	-1.683988601	32.45794811
													LNVTEQEK	4	1	2xTMT6plex [N-Term; K8]	1.675	1.532	1.532	2.243953466	0	1418.825515	3	473.6140442	1.454730224	49.39315959
													GNPTVEVDLFTSK	9	1	2xTMT6plex [N-Term; K13]	1.455	1.463	1.464	1.286031842	0	1865.04205	3	622.3518677	-0.53619845	80.67621752
													VNQIGSVTESIQACK	22	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.223	1.421	1.231	1.918706894	0	2092.14726	4	523.7915039	-1.46948786	69.8066615
													SGETEDTFIADLVVGLCTGQIK	12	2	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.515	1.582	1.679	2.69341445	0	2811.485032	2	1406.244141	-1.432399588	103.3918986
													AAVPSGASTGIYEALELR	8	2	1xTMT6plex [N-Term]	0.969	0.864	0.907	2.079782009	0	2034.106886	3	678.7073975	0.370394898	87.81591224
													IGAEVYHNLK	4	1	2xTMT6plex [N-Term; K10]	1.243	1.434	-	1.678449512	0	1601.941548	2	801.4759521	1.922402774	53.98548175
													YISPDQLADLYK	3	1	2xTMT6plex [N-Term; K12]	1.445	1.508	1.388	0.987879574	0	1884.051886	3	628.6895752	1.213393301	90.50842979
													LAMQEFMILPVGAANFR	7	1	1xTMT6plex [N-Term]	1.081	0.928	1.122	1.85595119	0	2137.149953	3	713.0543213	-0.721878598	101.9412134
													LAMQEFMILPVGAANFR	7	1	1xTMT6plex [N-Term]; 1xOxidation [M]	1.112	1.13	1.131	1.560219407	0	2153.144868	3	718.3876953	1.701839738	97.29623138
													LAMQEFMILPVGAANFR	2	1	1xTMT6plex [N-Term]; 2xOxidation [M3; M7]	-	1.113	1.233	1.736072421	0	2169.139783	3	723.7188721	1.050914724	93.58135105
													LAQANGWGVMVSHR	2	1	1xTMT6plex [N-Term]	1.401	-	1.379	2.189770699	0	1754.932173	3	585.6489258	0.028966219	64.3081882
													LAQANGWGVMVSHR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	1.12	1.104	1.176	2.055356503	0	1770.927088	3	590.9799805	-0.960007762	52.15359208
													FTASAGIQVVGDDLTVTNPK	19	1	2xTMT6plex [N-Term; K20]	1.329	1.424	1.317	2.486608505	0	2491.380825	2	1246.195068	0.817020317	88.48272339
													VVIGMDVAASEFFR	7	1	1xTMT6plex [N-Term]	0.955	0.993	0.948	2.768649101	0	1769.945758	2	885.475647	-0.98324182	98.50042734
													VVIGMDVAASEFFR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	0.988	1.007	0.941	2.017418861	0	1785.940673	3	595.9848633	-0.356123952	88.58257868
													HIADLAGNSEVILPVPAFNVINGGSHAGNK	4	1	2xTMT6plex [N-Term; K30]	0.734	1.497	-	1.762387872	0	3469.895607	4	868.2301636	0.927361292	92.12083489
													DYPVVSIEDPFDQDDWGAWQK	8	1	2xTMT6plex [N-Term; K21]	1.698	1.821	1.546	2.142849207	0	2968.440524	2	1484.727295	2.287094417	98.16647411
													EGLELLK	3	1	2xTMT6plex [N-Term; K7]	1.322	1.361	-	2.095043898	0	1259.79751	2	630.4023438	-0.078488804	68.98032113
													DATNVGDEGGFAPNILENK	15	1	2xTMT6plex [N-Term; K19]	1.576	1.558	1.628	2.424607038	0	2419.250539	2	1210.128174	-0.606664637	78.24874264
													IEEELGSK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.45	1.137540579	0	1362.788067	2	681.897522	-0.220037653	59.43019588
5803011	ENO2	gamma-enolase	21.19815668	5	25	3	434	47.239	5.03	1.308	1.102	1.128														
													IEEELGDEAR	2	1	1xTMT6plex [N-Term]	-	1.312	1.114	1.602425694	0	1389.705905	2	695.3573608	1.10851489	49.80775569
													YITGDQLGALYQDFVR	2	1	1xTMT6plex [N-Term]	1.308	-	1.289	1.005020618	0	2088.096321	2	1044.554321	2.416032285	96.47664068

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DATNVGDEGGFAPNILENSEALELVK	1	1	2xTMT6plex [N-Term; K26]	-	0.578	-	1.350981951	0	3160.641409	3	1054.219971	1.24984105	96.8910646
													SGETEDTFIADLVVGLCTGQIK	12	2	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.515	1.582	1.679	2.69341445	0	2811.485032	2	1406.244141	-1.432399588	103.3918986
													AAVPSGASTGIYEALELR	8	2	1xTMT6plex [N-Term]	0.969	0.864	0.907	2.079782009	0	2034.106886	3	678.7073975	0.370394898	87.81591224
10864017	ENOPH1	enolase-phosphatase E1 isoform 1	9.195402299	2	7	2	261	28.914	4.78	1.71	1.834	2.044														
													DILFPYIEENVK	3	1	2xTMT6plex [N-Term; K12]	1.459	1.834	-	1.165114284	0	1938.098836	3	646.7062378	2.746871731	95.0393565
													AEFFADVVPAVR	4	1	1xTMT6plex [N-Term]	1.922	-	2.044	1.893701315	0	1549.857595	3	517.2879639	-5.327120676	90.28249684
46389550	ENSA	alpha-endosulfine isoform 1	30.65693431	4	9	4	137	15.272	6.04	0.605	0.762	0.954														
													SSLVTSK	1	1	2xTMT6plex [N-Term; K7]	0.391	-	-	0.764361262	0	1179.73491	2	590.3703613	-1.240519152	44.0449516
													QLPSAGPDK	1	1	2xTMT6plex [N-Term; K9]	-	0.566	-	1.540684104	0	1370.804386	2	685.9055176	-0.457726687	47.75534749
													QEEENPAEETGEEK	6	1	2xTMT6plex [N-Term; K14]	1.038	0.944	0.954	2.017047882	0	2076.997344	2	1039.001831	-0.461397135	36.77151275
													EGILPERAEEAK	1	1	2xTMT6plex [N-Term; K12]	-	0.868	-	0.968807101	1	1800.026734	3	600.680603	0.289835713	50.44401681
4503579	EPB41L2	band 4.1-like protein 2 isoform a	0.995024876	1	1	1	1005	112.519	5.44	-	-	0.566														
													EQHPDMSVTR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	-	0.566	0.673350155	0	1444.705193	3	482.2398071	-0.225197004	22.90923441
32967311	EPHA2	ephrin type-A receptor 2 precursor	2.356557377	2	3	2	976	108.197	6.23	1.127	-	1.154														
													DCNSFPGGASSCK	1	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	-	-	1.193	0.803224862	0	1844.867139	2	922.9372559	0.051900079	43.02125843
													YSEPPHGLTR	2	1	1xTMT6plex [N-Term]	1.127	-	1.148	1.791719198	0	1385.73748	3	462.5840454	0.074639295	36.78142069
156671215	EPN2	epsin-2 isoform b	1.560062402	1	2	1	641	68.439	7.52	0.839	0.639	-														
													ALTLLDYLLK	4	1	2xTMT6plex [N-Term; K10]	0.839	0.639	-	1.297457337	0	1621.034051	2	811.0202026	-0.56928882	104.1194715
62241042	EPRS	bifunctional glutamate/proline--tRNA ligase	1.521164021	2	3	2	1512	170.483	7.33	0.959	0.806	0.97														
													VASQGEVVR	2	1	1xTMT6plex [N-Term]	0.959	-	0.97	1.442126155	0	1173.678902	2	587.3444824	2.373829627	32.15801858
													DQVDIAVQELLQLK	1	1	2xTMT6plex [N-Term; K14]	-	0.806	-	1.700108647	0	2070.221077	3	690.744812	-0.576708863	101.537641
385428859	EPS15L1	epidermal growth factor receptor substrate 15-like 1 isoform 1	1.978021978	2	3	2	910	99.545	5.08	1.508	1.443	2.197														
													STQDEINQAR	1	1	1xTMT6plex [N-Term]	1.508	-	-	1.305132031	0	1390.712387	2	695.859375	-0.656886362	27.27329256
													SQEDDLNR	2	1	1xTMT6plex [N-Term]	-	1.443	2.197	1.720769048	0	1205.59596	2	603.3016968	0.12994792	25.6610741
21264616	EPS8L2	epidermal growth factor receptor kinase substrate 8-like protein 2	2.517482517	1	1	1	715	80.57	6.84	-	1.291	-														
													IVENLGILTGPQLFSLNK	1	1	2xTMT6plex [N-Term; K18]	-	1.291	-	1.729977608	0	2414.442303	3	805.484314	-1.621117831	101.4300308
94818901	ERAP1	endoplasmic reticulum aminopeptidase 1 isoform a precursor	3.58649789	3	7	3	948	107.772	6.28	0.398	0.316	0.374														
													GFPLITITVR	1	1	1xTMT6plex [N-Term]	-	0.674	-	1.434599996	0	1345.840488	2	673.4232788	-0.896921161	93.29156498
													LQWLLDESFK	3	1	2xTMT6plex [N-Term; K10]	0.346	0.276	0.359	1.851794362	0	1736.998729	3	579.6717529	1.13815228	99.18373445
													TDVLILPEEVEWIK	3	1	2xTMT6plex [N-Term; K14]	0.454	0.273	0.387	3.19530654	0	2142.246229	3	714.7530518	-0.759388226	100.4135486
11641261	ERAP2	endoplasmic reticulum aminopeptidase 2	4.791666667	4	4	4	960	110.391	6.71	1.086	0.098	0.755														
													TQNLAALLHAIAR	1	1	1xTMT6plex [N-Term]	1.086	-	-	1.652403474	0	1620.97469	3	540.994812	-2.965644604	90.756839
													MAFPCFDEPLFK	1	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M1];	-	0.193	-	1.351516247	0	1976.006199	3	659.3414917	1.883950393	93.36376516
													ENWTHLLK	1	1	2xTMT6plex [N-Term; K8]	-	0.063	-	1.175186753	0	1498.87822	3	500.2984314	1.682130957	66.0726057
													ILAVTDFEPTQAR	1	1	1xTMT6plex [N-Term]	-	-	0.755	1.284460545	0	1689.937301	2	845.4736938	1.66259737	84.62370647
54792100	ERBB3	receptor tyrosine-protein kinase erbB-3 isoform 1 precursor	0.819672131	1	1	1	1342	148.002	6.55	-	-	0.893														
													WMALESIHFGK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M2]	-	-	0.893	0.726879179	0	1792.982033	3	598.3327637	0.950760015	60.26533717
4557567	EREG	proepiregulin preproprotein	10.0591716	2	3	2	169	19.031	7.53	-	1.306	1.08														
													CEVGYTGVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.306	1.337	1.249256849	0	1269.645888	2	635.3267212	0.21899241	36.86263637
													VAQVSITK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.777	1.040065527	0	1303.834958	2	652.4208984	-0.335644475	59.74365662
4758302	ERH	enhancer of rudimentary homolog	26.92307692	2	5	2	104	12.251	5.92	0.889	0.919	0.96														
													ADTQTYQPYNK	4	1	2xTMT6plex [N-Term; K11]	0.889	0.896	0.96	1.604175329	0	1786.937585	3	596.3171387	-0.404056852	43.42065369
													TYADYESVNECMEGVCK	1	1	2xTMT6plex [N-Term; K17]; 2xCarbamidomethyl	-	1.17	-	0.612611234	0	2513.139868	2	1257.071533	-1.622744441	65.82521664
7657069	ERO1A	ERO1-like protein alpha precursor	23.5042735	8	29	8	468	54.358	5.68	0.546	0.541	0.508														
													LQTQGLGTALK	4	1	2xTMT6plex [N-Term; K11]	0.59	0.559	0.554	1.850014091	0	1587.983413	2	794.4945068	-1.055318407	65.23373428
													SFPLHFDENSFFAGDK	3	1	2xTMT6plex [N-Term; K16]	0.438	0.441	0.462	1.60897243	0	2316.170104	3	772.7283936	0.226103455	90.73574054
													MLLLEILHEIK	3	1	2xTMT6plex [N-Term; K11]	0.525	0.497	0.528	1.587741852	0	1810.127634	3	604.0473022	-0.15510051	102.9686803
													MLLLEILHEIK	4	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M1]	0.524	0.481	0.526	1.943579078	0	1826.122549	3	609.3795166	0.792561643	100.3854482
													YSEEANNLIEECEQAER	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.695	0.692	0.623	1.115439773	0	2313.050235	3	771.6877441	-0.672695345	62.36677155
													LGAVDESLSEETQK	3	1	2xTMT6plex [N-Term; K14]	1.24	1.059	0.786	2.206003666	0	1964.058822	2	982.5327148	-0.340566429	66.67693331
													QEIVSLFNAFGR	4	1	1xTMT6plex [N-Term]	0.525	0.477	0.476	1.731042385	0	1609.889957	2	805.4486694	0.065157986	95.59069367
													VLPFFERPDFQLFTGNK	3	1	2xTMT6plex [N-Term; K17]	0.492	-	0.459	1.120692492	0	2513.395687	3	838.4717407	1.982174154	98.30665246
													FDGILTEGEGPR	1	1	1xTMT6plex [N-Term]	-	0.725	-	1.05112052	0	1519.795388	3	507.2704163	0.860167959	68.65799281
5803013	ERP29	endoplasmic reticulum resident protein 29 isoform 1 precursor	36.7816092	7	23	7	261	28.975	7.31	0.48	0.436	0.446														
													QGQDNLSSVK	5	1	2xTMT6plex [N-Term; K10]	0.409	0.44	0.608	1.592292666	0	1533.863692	2	767.4351807	-0.395701312	41.35148295
													DGDFENPVPYTGAVK	2	1	2xTMT6plex [N-Term; K15]	0.474	-	0.491	2.20110321	0	2067.079892	3	689.6984253	0.401938459	69.31728317
													FDTQYPYGEK	4	1	2xTMT6plex [N-Term; K10]	0.525	0.511	-	1.392543793	0	1705.883758	3	569.2985229	-1.607836601	60.99747956
													ILDQGEDFPASEMTR	2	1	1xTMT6plex [N-Term]	0.735	-	0.646	1.821062446	0	1937.947608	2	969.4752808	-2.230724167	72.57697326
													SLNILTAFQK	2	1	2xTMT6plex [N-Term; K10]	-	0.368	0.359	1.234424591	0	1592.977599	2	796.9929199	0.605139551	93.45632552
													GQGVYLGMPGCLPVYDALAGEFIR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.461	0.469	1.188372374	0	2812.436359	3	938.1511841	0.938857189	102.0637431
													GALPLDTVTFYK	6	1	2xTMT6plex [N-Term; K12]	0.421	0.422	0.406	1.555761218	0	1783.040593	2	892.0203247	-4.049574622	88.82168903
52487191	ERP44	endoplasmic reticulum resident protein 44 precursor	29.80295567	11	17	11	406	46.941	5.26	0.675	0.507	0.622														
													TPADCPVIAIDSFR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.589	-	0.657	1.51335001	0	1790.930836	3	597.6469727	-2.496674444	78.52390359
													HPLLHIQK	2	1	2xTMT6plex [N-Term; K8]	0.887	0.313	-	1.322109222	0	1443.920025	3	481.9786377	0.924508224	43.20374478
													HMYVFGDFK	2	1	2xTMT6plex [N-Term; K9]	0.657	0.567	-	1.32145083	0	1601.855041	3	534.6235352	0.631055073	69.38366866
													SDPIQEIR	1	1	1xTMT6plex [N-Term]	-	0.462	-	1.685167193	0	1186.662918	2	593.8345947	-0.84678375	53.90962868
													NIIGYFEQK	1	1	2xTMT6plex [N-Term; K9]	-	0.563	-	1.723421693	0	1569.9041	3	523.9725342	-0.669270778	81.86992465
													RNIIGYFEQK	2	1	2xTMT6plex [N-Term; K10]	-	0.696	0.666	1.535884023	1	1726.005211	3	576.0061035	-0.84220089	66.05881138
													VDCDQHSDIAQR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.519	0.543	-	2.074658871	0	1672.791048	3	558.2680054	-0.947689623	28.9040658
													EDTESLEIFQNEVAR	2	1	1xTMT6plex [N-Term]	0.785	0.707	-	1.496506929	0	2009.00248	2	1005.000366	-4.491969629	75.29711529
													GTINFLHADCDK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	0.92	-	1.242380023	0	1848.967839	3	616.9926758	-2.360931411	63.74014162
													QFVFDLHSGK	1	1	2xTMT6plex [N-Term; K10]	-	0.53	-	0.925193369	0	1635.925898	3	545.9804688	0.583742822	68.14445384

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VANILHDDCAFLSAFGDVSKPER	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	-	-	0.469	1.365720391	0	3019.571161	4	755.6480713	-0.233862265	92.60029875
33413400	ESD	S-formylglutathione hydrolase	29.43262411	5	17	5	282	31.442	7.02	2.73	2.442	2.645														
													FAVYLPPK	2	1	2xTMT6plex [N-Term; K8]	-	2.628	2.639	0.942462683	0	1392.86553	2	696.9367676	0.523213644	85.62137844
													DDQFLLDGQLLPDNFIAACTEK	6	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	3.003	2.568	2.759	1.900099993	0	2981.533045	3	994.5151978	-0.672328044	99.45991587
													SVSAFAPICNPVLCPWGK	3	1	2xTMT6plex [N-Term; K18]; 2xCarbamidomethyl	2.638	2.611	2.609	1.766300678	0	2461.313614	3	821.1082153	-1.430733526	96.01277356
													CPALYWLSGLTCTEQNFISK	5	1	2xTMT6plex [N-Term; K20]; 2xCarbamidomethyl	2.188	2.23	2.508	2.031100988	0	2846.462129	3	949.493042	0.858612007	102.4390441
													SYPGSQLDILIDQGK	1	1	2xTMT6plex [N-Term; K15]	-	0.872	-	1.49745357	0	2092.169041	2	1046.587402	-0.723198016	86.14827789
56790297	ESRP1	epithelial splicing regulatory protein 1 isoform 1	4.258443465	1	1	1	681	75.537	6.68	-	-	0.778														
													FSSAPLIPLPTPPIIPVLPQQFVPPTNVR	1	1	1xTMT6plex [N-Term]	-	-	0.778	1.614071846	0	3364.959821	4	841.9970703	1.970412829	108.8093937
4759034	ETF1	eukaryotic peptide chain release factor subunit 1 isoform 1	11.67048055	4	6	4	437	49	5.71	1.842	1.476	1.397														
													VNVAGLVLAGSADFK	2	1	2xTMT6plex [N-Term; K15]	1.842	-	1.93	1.682085395	0	1919.136619	3	640.3838501	0.197032856	96.3421736
													YVLHCQGTEEEK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	1.548	1.218	1.446737647	0	1950.999533	3	651.0050659	0.56952546	49.90580474
													VAETAVQLFISGDK	1	1	2xTMT6plex [N-Term; K14]	-	-	1.292	1.476773381	0	1936.115549	3	646.0430908	-0.428625793	96.41222329
													YCFGVEDTLK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.368	-	1.013307929	0	1689.892215	2	845.4498901	0.170865003	72.34868497
4503607	ETFA	electron transfer flavoprotein subunit alpha, mitochondrial isoform a	10.81081081	2	3	2	333	35.058	8.38	-	1.009	1.07														
													DPEAPIFQVADYGIVADLFK	1	1	2xTMT6plex [N-Term; K20]	-	0.686	-	1.34985292	0	2666.448176	3	889.4869995	-0.649018743	106.4328138
													GLLPEELTPLILATQK	2	1	2xTMT6plex [N-Term; K16]	-	1.132	1.07	2.097472429	0	2194.346277	3	732.1192017	-1.469890858	102.4261907
77812672	EXOSC9	exosome complex component RRP45 isoform 1	2.192982456	1	1	1	456	50.771	5.3	-	0.901	-														
													VAEITELILK	1	1	2xTMT6plex [N-Term; K10]	-	0.901	-	1.231340885	0	1587.013316	2	794.0106201	0.408052263	98.46670456
21614499	EZR	ezrin	45.05119454	25	57	19	586	69.37	6.27	1.679	1.369	1.524														
													RTHNDIIHNENMR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M12]	1.744	-	1.58	1.510915041	1	1894.950343	3	632.321106	-0.832823357	18.52368879
													IQVWHAEHR	1	1	1xTMT6plex [N-Term]	1.449	-	-	2.274067402	0	1404.769783	3	468.9286804	1.213885568	36.13730963
													EAQDDLVK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.617	1.892711639	0	1375.783316	2	688.3945313	-1.112297251	44.70057285
													SQEQLAAELAEYTAK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.03	0.957641363	0	2110.14322	2	1055.574585	-0.628847422	86.81190332
													QAVDQIK	4	1	2xTMT6plex [N-Term; K7]	1.684	-	1.717	1.710139871	0	1259.772358	3	420.5959167	0.666274455	43.07196791
													DNAMLEYLK	2	1	2xTMT6plex [N-Term; K9]	-	1.595	1.425	1.218619585	0	1554.860186	3	518.9587402	0.952627856	79.80835247
													FYPEDVAEELIQDITQK	3	1	2xTMT6plex [N-Term; K17]	1.029	1.825	-	1.416448712	0	2496.327392	2	1248.66748	0.117083	107.498414
													GTDLWLGVDALGLNIYEK	1	1	2xTMT6plex [N-Term; K18]	1.447	-	-	1.803676844	0	2435.358633	3	812.4603882	3.276162564	101.2794857
													SGYLSSER	1	1	1xTMT6plex [N-Term]	1.613	-	-	1.664952636	0	1127.589418	2	564.2979126	-0.771410828	31.97799385
													IAQDLEMYGINYFEIK	1	1	2xTMT6plex [N-Term; K16]	-	-	1.136	1.779811859	0	2405.282691	2	1203.144531	-0.376134582	100.1355636
													IAQDLEMYGINYFEIK	2	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M7]	1.384	-	1.516	2.048120737	0	2421.277606	3	807.7637329	-0.396530133	98.81466303
													QQLETEK	2	1	2xTMT6plex [N-Term; K7]	-	1.689	1.678	1.740821958	0	1333.772751	2	667.3901978	0.275450081	38.82993491
													EDEVEEWQHR	1	1	1xTMT6plex [N-Term]	2.489	-	-	1.332977653	0	1585.744415	3	529.2528687	-0.228638969	39.18490151
													QLLTLSSELSQAR	4	1	1xTMT6plex [N-Term]	1.323	0.963	0.792	1.906352043	0	1674.958765	3	558.9908447	-0.468160965	79.0324654
													ELSEQIQR	2	1	1xTMT6plex [N-Term]	-	1.497	1.544	1.671402931	0	1231.684381	2	616.345459	-0.60082052	37.15193262
													THNDIIHNENMR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	-	0.75	0.796	0.88654238	0	1738.849232	3	580.2884521	0.903686923	22.49960722
													QLLTLSSELSQARDENK	2	1	2xTMT6plex [N-Term; K17]	-	1.093	1.026	1.126323819	1	2390.329123	3	797.4472656	-0.786400074	71.51824934
													EGILSDEIYCPPETAVLLGSYAVQAK	1	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl	-	1.613	-	1.811503887	0	3281.737952	3	1094.589478	4.853387876	99.43461215
													AQEEAERLEADR	1	1	1xTMT6plex [N-Term]	-	1.149	-	0.848748624	1	1645.834293	3	549.2828369	-0.203749438	36.81608186
													LALLEEAR	6	1	1xTMT6plex [N-Term]	2.144	1.872	2.546	1.664773345	0	1143.69349	2	572.3503418	-0.072218869	69.70807374
													ENPLQFK	2	2	2xTMT6plex [N-Term; K7]	1.606	1.546	-	0.85772413	0	1333.788008	3	445.2675476	0.061383267	59.44575845
													QLFDQVVK	2	3	2xTMT6plex [N-Term; K8]	1.375	0.658	-	0.944215417	0	1434.872072	2	717.9395142	-0.222967395	71.10437635
													VTTMDAELEFAIQPNTTGK	3	3	2xTMT6plex [N-Term; K19]	1.398	1.334	1.486	1.863004446	0	2524.336911	3	842.1176147	0.546729034	90.52653423
													VTTMDAELEFAIQPNTTGK	2	3	2xTMT6plex [N-Term; K19]; 1xOxidation [M4]	-	1.226	1.298	2.329868793	0	2540.331826	3	847.4499512	1.367697554	82.92779686
													RKPDTIEVQQMK	1	3	3xTMT6plex [N-Term; K2; K12]	-	1.326	-	1.091591835	1	2160.27777	4	540.8259277	1.903203171	45.93455516
													RKPDTIEVQQMK	1	3	3xTMT6plex [N-Term; K2; K12]; 1xOxidation [M11]	-	-	1.009	1.627165556	1	2176.272685	4	544.8239746	0.635925594	39.34408543
													APDFVFYAPR	2	3	1xTMT6plex [N-Term]	0.751	-	0.794	1.138224959	0	1411.757152	2	706.3817139	-0.709254862	78.27574078
													KPDTIEVQQMK	3	3	3xTMT6plex [N-Term; K1; K11]	1.157	1.189	1.179	2.504264355	0	2004.176659	3	668.729187	-1.821628262	52.37330148
													KPDTIEVQQMK	3	3	3xTMT6plex [N-Term; K1; K11]; 1xOxidation [M10]	0.859	0.875	-	1.052250028	0	2020.171574	3	674.0618896	-0.226690987	46.42555192
8393638	F11R	junctional adhesion molecule A precursor	9.030100334	3	5	3	299	32.562	7.9	1.193	1.089	2.395														
													ITASYEDR	1	1	1xTMT6plex [N-Term]	-	1.019	-	0.676034153	0	1183.615633	2	592.3113403	-0.193547577	46.11563219
													FDQGDTTR	2	1	1xTMT6plex [N-Term]	1.193	1.234	-	1.058869481	0	1168.579582	2	584.7937012	0.465303141	30.70861529
													VTFLPTGITFK	2	1	2xTMT6plex [N-Term; K11]	-	-	2.395	1.360504627	0	1682.0293	2	841.5181274	-0.19155266	95.84204705
105990535	F5	coagulation factor V preproprotein	1.573741007	3	6	3	2224	251.546	6.05	0.813	0.786	0.761														
													MDDAVAPGR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	-	0.757	0.75	1.063186288	0	1176.588039	2	588.7984619	1.367180417	25.44632828
													GTLTEGGTQK	2	1	2xTMT6plex [N-Term; K10]	0.786	0.88	-	1.127681494	0	1449.831329	2	725.4189453	-0.493115982	36.08317058
													LSEGASYLDHTFPAEK	2	1	2xTMT6plex [N-Term; K16]	0.832	-	0.801	1.21224761	0	2223.169769	3	741.729187	1.4566747	68.73244974
4557581	FABP5	fatty acid-binding protein, epidermal	54.07407407	7	19	7	135	15.155	7.01	1.116	1.116	1.228														
													FEETTADGR	1	1	1xTMT6plex [N-Term]	-	-	1.027	1.236555934	0	1254.616361	2	627.8119507	0.209934443	34.05269026
													LVVECVMNNVTCTR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.02	-	1.174503326	0	1923.96519	3	641.9924927	-1.17723162	82.4600088
													TQTVCNFTDGALVQHQEWDGK	4	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	1.224	1.453	1.181	1.647449255	0	2892.435062	4	723.8622437	-2.737209464	69.43746312
													FEETTADGRK	1	1	2xTMT6plex [N-Term; K10]	-	1.177	-	0.994222164	1	1611.874256	3	537.9624634	-0.88061043	45.32288839
													ELGVGIALRK	2	1	2xTMT6plex [N-Term; K10]	0.915	0.883	-	1.326197505	1	1513.983019	3	505.3326111	0.172381031	64.36088743
													TTQFSCTLGEK	8	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.229	1.243	1.321	1.91661489	0	1729.919492	3	577.3105469	-1.390154288	55.57667859
													GFDEYMK	1	1	2xTMT6plex [N-Term; K7]	-	1.417	-	0.971934974	0	1347.701895	2	674.354187	-0.591686163	59.84801141
4557587	FAH	fumarylacetoacetase	12.64916468	3	6	3	419	46.344	6.95	1.146	1.9	1.786														
													SFGTTVSPWVVPMDALMPFAVPNPK	2	1	2xTMT6plex [N-Term; K25]	1.146	1.475	-	1.102520347	0	3146.682292	3	1049.56604	0.405292644	106.6947363
													IGVAIGDQILDLSIIK	3	1	2xTMT6plex [N-Term; K16]	-	1.926	2.04	1.277916431	0	2126.320062	2	1063.663574	-0.089658421	102.5693359
													WEYVPLGPFLGK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.41	1.556732059	0	1864.077313	3	622.0300293	-0.954144639	99.96199779
51093863	FAM129B	niban-like protein 1 isoform 1	19.57104558	12	23	12	746	84.085	6.19	1.363	1.354	1.269														
													QHIAEK	2	1	2xTMT6plex [N-Term; K6]	1.389	1.451	-	1.49632585	0	1183.719928	3	395.2449036	0.193663513	25.96929305
													EHLASK	1	1	2xTMT6plex [N-Term; K6]	-	1.275	-	1.800212741	0	1142.693379	3	381.5699463	1.668432864	28.1676988

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													EALLQISIPFLLK	3	1	2xTMT6plex [N-Term; K13]	1.536	1.61	1.71	1.511485577	0	1943.234542	3	648.4151611	-1.85871622	105.6023165
													ILTSVDQYLELIGNSLPGTTAK	4	1	2xTMT6plex [N-Term; K22]	1.328	1.4	1.085	2.410513639	0	2791.585732	3	931.199707	-0.416962387	106.0030199
													AAPEASSPPASPLQHLLPGK	1	1	2xTMT6plex [N-Term; K20]	-	0.735	-	0.91970408	0	2426.380765	3	809.4662476	1.411289535	78.41206984
													WQAVLQDCIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.185	-	-	0.768690407	0	1517.809599	2	759.4089966	0.736340094	75.55777579
													IVFSGNLFQHQEDSK	3	1	2xTMT6plex [N-Term; K15]	1.283	1.184	1.361	2.116398573	0	2207.186088	3	736.4003906	0.240339953	75.98246325
													FQELIFEDFAR	3	1	1xTMT6plex [N-Term]	1.338	1.392	1.495	1.832609653	0	1643.863074	2	822.4336548	-1.849874078	97.59806258
													FDVSSTSVFK	2	1	2xTMT6plex [N-Term; K10]	1.294	-	1.078	1.897549272	0	1574.88303	2	787.9442749	-1.115616385	76.29548158
													HCNNGIPEDSK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.695	-	1.010182381	0	1728.873939	3	576.9638062	1.692539268	30.18148502
													VQQVQPAMQAVIR	1	1	1xTMT6plex [N-Term]	-	1.203	-	1.621990085	0	1696.972975	2	848.9891968	-1.095188515	64.31719431
													AVINSAGYK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.423	1.898726106	0	1380.825121	2	690.916687	0.706790036	53.43600568
296011010	FAM208B	protein FAM208B	0.24691358	1	1	1	2430	268.647	5.9	0.758	-	-														
													AKPPVK	1	1	3xTMT6plex [N-Term; K2; K6]	0.758	-	-	0.690746725	0	1326.907618	3	442.973877	-0.407602321	35.8455987
116174742	FAM20C	extracellular serine/threonine protein kinase FAM20C precursor	3.424657534	1	1	1	584	66.193	7.74	0.582	-	-														
													ILQDFSSDPSSNLSSHSLEK	1	1	2xTMT6plex [N-Term; K20]	0.582	-	-	0.781251609	0	2649.377196	3	883.796936	-0.35510026	117.7568521
91807125	FAM3C	protein FAM3C precursor	10.57268722	2	5	2	227	24.665	8.29	0.83	0.852	0.817														
													SPFEQHIK	4	1	2xTMT6plex [N-Term; K8]	0.834	0.852	0.817	1.900476933	0	1443.83602	3	481.9503784	0.388911136	45.90370898
													LIADLGSTSITNLGFR	1	1	1xTMT6plex [N-Term]	0.793	-	-	1.029303551	0	1907.079943	2	954.0431519	-0.48014194	95.81538554
42734438	FAM49B	protein FAM49B	20.37037037	6	15	6	324	36.725	6.06	1.382	1.384	1.427														
													AWGAVVPLVGK	4	1	2xTMT6plex [N-Term; K11]	1.389	1.486	1.431	2.036561012	0	1554.977205	2	777.9909058	-1.717379877	91.50468776
													EAIQHPADEK	2	1	2xTMT6plex [N-Term; K10]	1.475	1.394	-	1.323377132	0	1595.879342	3	532.6314087	0.207474469	30.82288395
													HLNDETTSK	3	1	2xTMT6plex [N-Term; K9]	1.315	1.389	-	1.595813751	0	1502.821493	3	501.6125183	1.004225484	28.97624841
													DAEGILEDLQSYR	3	1	1xTMT6plex [N-Term]	1.354	1.471	1.359	1.885772943	0	1737.88566	3	579.9702148	6.002472713	87.868337
													DQPPNSVEGLLNALR	2	1	1xTMT6plex [N-Term]	-	1.001	-	1.547037363	0	1852.012591	3	618.008667	-0.617578651	93.0427788
													TLSDATTK	1	1	2xTMT6plex [N-Term; K8]	-	1.483	-	1.589612961	0	1294.761852	2	647.885437	1.347686784	41.58947007
4758220	FAM50A	protein FAM50A	2.064896755	1	1	1	339	40.216	6.83	-	1.68	-														
													DESHAGK	1	1	2xTMT6plex [N-Term; K7]	-	1.68	-	1.512915611	0	1201.657722	3	401.2235413	-1.37417725	19.67203787
115392150	FAM83G	protein FAM83G	0.85054678	1	1	1	823	90.779	6.39	-	5.05	-														
													EEADALK	1	1	2xTMT6plex [N-Term; K7]	-	5.05	-	1.051973104	0	1233.709089	2	617.3575439	-1.035405661	39.83656626
21361861	FANCD2	Fanconi anemia group D2 protein isoform a	0.883752549	1	1	1	1471	166.356	6.24	-	2.296	-														
													DGGPVTSQESGQK	1	1	2xTMT6plex [N-Term; K13]	-	2.296	-	0.815903962	0	1747.922663	2	874.4645996	-0.423566366	27.50441106
124028525	FARSB	phenylalanine--tRNA ligase beta subunit	3.225806452	2	2	2	589	66.074	6.84	1.647	-	-														
													LGVLHPDVITK	1	1	2xTMT6plex [N-Term; K11]	1.683	-	-	1.652693033	0	1650.035448	3	550.6828003	-0.97017982	68.81016376
													ETPENLAK	1	1	2xTMT6plex [N-Term; K8]	1.498	-	-	0.816256821	0	1359.788402	2	680.3978882	0.072207696	42.7648581
4507583	FAS	tumor necrosis factor receptor superfamily member 6 isoform 1	3.28358209	1	1	1	335	37.708	7.94	-	0.826	-														
													NDNVQDTAEQK	1	1	2xTMT6plex [N-Term; K11]	-	0.826	-	1.535536408	0	1719.891363	2	860.4485474	-0.898157564	32.89867323
41872631	FASN	fatty acid synthase	33.45280765	61	195	61	2511	273.254	6.44	2.368	2.814	2.867														
													VSVHVIEGDHR	4	1	1xTMT6plex [N-Term]	1.099	-	2.497	1.890998125	0	1476.812041	3	492.941925	-0.554927433	36.97757807
													AAEQYTPK	3	1	2xTMT6plex [N-Term; K8]	3.813	3.364	3.107	1.469531894	0	1365.777837	2	683.3934326	1.282576366	36.78903479
													AFDTAGNGYCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	4.352	0.52085191	0	1460.678979	2	730.8410645	-2.824976474	39.20980826
													HGLYLPTR	6	1	1xTMT6plex [N-Term]	3.043	3.307	3.038	1.955208778	0	1185.694158	3	395.9022522	-1.648796352	41.31370242
													LSPDAIPGK	1	1	2xTMT6plex [N-Term; K9]	-	4.124	-	1.253466964	0	1355.829872	2	678.4189453	0.546915963	59.29774658
													TGTVSLEVR	1	1	1xTMT6plex [N-Term]	3.519	-	-	1.310332417	0	1190.694218	2	595.8516235	1.471956684	47.40847279
													EDGLAQQQTQLNLR	4	1	1xTMT6plex [N-Term]	3.19	3.548	2.763	1.472815037	0	1842.987105	3	615.0010376	0.789231224	52.14847939
													LGMLSPEGTCK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.293	2.549	-	1.924512625	0	1650.89592	2	825.9499512	-1.995508142	66.39848173
													LGMLSPEGTCK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3];	-	-	2.859	0.843079925	0	1666.890835	2	833.9481812	-1.049508028	54.94635058
													GLVQALQTK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.955	1.182705998	0	1415.898621	2	708.4525757	-0.526854678	66.21535743
													CVLLSNLSSTSHVPEVDPGSAELQK	1	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	-	1.614	-	1.209121585	0	3125.655285	3	1042.559448	2.721546616	84.63346315
													DTVTISGPQAPVFEFVEQLRK	4	1	2xTMT6plex [N-Term; K21]	3.419	3.589	-	1.625133276	1	2819.570751	3	940.5292969	0.917467668	97.53179556
													LPEDPLLSGLLDSPALK	13	1	2xTMT6plex [N-Term; K17]	3.593	3.779	3.858	3.394568443	0	2236.320456	4	559.835144	-0.764661487	101.8296223
													QVQPEGPYR	3	1	1xTMT6plex [N-Term]	3.724	4.194	3.23	1.82277143	0	1302.700366	2	651.8540649	0.374194117	33.82699548
													AQVADVVVSR	3	1	1xTMT6plex [N-Term]	3.47	4.038	3.51	1.393575072	0	1272.747316	2	636.8770752	-0.347444751	48.26182597
													AGLYGLPR	2	1	1xTMT6plex [N-Term]	4.173	-	4.224	1.26914525	0	1075.646146	2	538.3269043	0.359266615	53.96829137
													ACLDTAVENMPSLK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	-	2.037	2.769127369	0	2007.065504	3	669.6956177	3.38571777	79.54621985
													ACLDTAVENMPSLK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M10];	1.436	-	-	1.227773547	0	2023.060419	3	675.0245361	-0.674360266	63.03430601
													SNMGHPEPASGLAALAK	3	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M3]	1.845	2.658	2.24	1.650541782	0	2125.147595	3	709.0521851	-2.6316592	54.89862685
													SLYQSAGVAPESFEYIEAHGTGTK	3	1	2xTMT6plex [N-Term; K24]	0.976	0.895	1.626	1.72334671	0	3000.535487	3	1000.850952	0.938537579	76.02434833
													MVVPGLDGAQIPR	5	1	1xTMT6plex [N-Term]	2.479	3.225	2.082	2.065583229	0	1581.898414	3	527.9707031	-0.542035438	78.29497032
													MVVPGLDGAQIPR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	1.777	-	-	1.836169481	0	1597.893329	3	533.3024902	-0.257286809	67.97167701
													SFYGSTLFLCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.121	-	-	0.772853851	0	1579.814016	2	790.4107666	0.152551581	79.71132233
													GTPLISPLIK	1	1	2xTMT6plex [N-Term; K10]	-	2.42	-	1.005889058	0	1496.981622	2	748.9958496	1.870797015	86.14877336
													GVDLVLNSLAEEK	3	1	2xTMT6plex [N-Term; K13]	3.276	3.355	3.347	1.397298694	0	1845.07335	3	615.6972046	2.011079685	92.01748896
													DNLEFFLAGIGR	2	1	1xTMT6plex [N-Term]	2.883	-	2.991	1.463015437	0	1580.863408	2	790.9345093	-1.054060271	96.58668284
													VLEALLPLK	2	1	2xTMT6plex [N-Term; K9]	-	3.931	4.102	0.972969949	0	1453.975808	2	727.4928589	1.810713371	98.26306574
													TLLEGSGLESIISIIHSSLAEPR	4	1	1xTMT6plex [N-Term]	2.841	3.222	2.165	2.059043169	0	2651.481712	3	884.4987183	-0.041525779	104.6612437
													QAHTMDPQLR	1	1	1xTMT6plex [N-Term]	-	1.196	-	0.849093974	0	1425.746998	3	475.920105	-0.867389933	39.91400103
													QAHTMDPQLR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	-	3.101	0.829509616	0	1441.741913	3	481.2526245	0.975843973	26.01864113
													ADEASELACPTPK	3	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	3.672	4.38	3.927	2.059097767	0	1846.962085	2	923.9856567	1.056663035	51.36148366
													CTVFHGAQVEDAFR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	3.291	1.731	3.823	1.233022451	0	1865.916583	3	622.644165	0.728257201	53.38372568
													DIMLATGK	2	1	2xTMT6plex [N-Term; K8]	2.526	2.454	-	1.314232469	0	1306.780479	2	653.894165	0.439223063	67.10170657
													FDASFFGVHPK	2	1	2xTMT6plex [N-Term; K11]	2.313	2.416	-	1.2467767	0	1709.941548	3	570.6520996	0.115488231	77.45419692
													VYATILNAGTNTDGFK	8	1	2xTMT6plex [N-Term; K16]	1.827	2.426	1.911	2.016867399	0	2143.17994	3	715.0664673	2.290267549	86.33193243
													VVVQVLAEEPEAVLK	11	1	2xTMT6plex [N-Term; K15]	2.932	2.56	2.439	2.165671825	0	2081.262213	3	694.4237061	-2.713899239	95.90369938

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													TFCPAHK	3	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	0.965	2.408	-	1.937259436	0	1318.734198	2	659.869812	-1.403585776	34.81948191
													GYAVLGGER	2	1	1xTMT6plex [N-Term]	3.171	-	2.785	1.678252697	0	1150.641788	2	575.8252563	1.258180719	49.51875795
													LQVVDQPLPVR	7	1	1xTMT6plex [N-Term]	2.048	2.999	3.15	1.347338796	0	1492.904879	2	746.9576416	2.094844199	72.11958123
													AFEVSENGNLVVSGK	2	1	2xTMT6plex [N-Term; K15]	-	2.283	1.136	1.006012082	0	2008.111526	3	670.0421753	0.222272966	72.0582279
													SEGVVAVLLTK	1	1	2xTMT6plex [N-Term; K11]	-	3.935	-	0.742400289	0	1573.992915	3	525.3353271	-0.944568856	91.24045035
													VAAAVDLIIK	1	1	2xTMT6plex [N-Term; K10]	-	2.876	-	1.307318568	0	1470.965972	2	735.9855347	-1.481525816	93.59969304
													VVEVLAGHGHLYSR	3	1	1xTMT6plex [N-Term]	1.173	0.4	-	1.504157901	0	1765.991068	3	589.3347778	-0.729371699	54.67873984
													FCFTPHTEEGCLSER	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	4.594	4.885	-	1.241269708	0	2098.952376	3	700.3225708	0.372953838	55.88986552
													QEPLLIGSTK	5	1	2xTMT6plex [N-Term; K10]	3.607	3.68	3.732	1.598739982	0	1543.945965	2	772.4748535	-2.289166092	64.22474759
													TGGAYGEDLGADYNLSQVCDGK	3	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	3.229	3.9	3.262	1.361529469	0	2748.318695	3	916.7786255	0.956382842	71.32890941
													AALQEELQLCK	4	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	3.678	1.767	3.733	2.028398037	0	1760.998077	2	881.0023193	-0.405933507	71.88448366
													EQGVTFPSGDIQEQLIR	6	1	1xTMT6plex [N-Term]	3.104	3.06	3.269	2.433228731	0	2146.134163	3	716.0474854	-2.916977615	79.14580375
													LHLSGIDANPNALFPPVEFPAPR	4	1	1xTMT6plex [N-Term]	3.076	1.77	3.301	1.659581661	0	2701.466336	4	676.121582	-0.680450826	95.77216959
													AAPLDSIHSLAAYYIDCIR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	3.897	4.147	2.53	1.308130026	0	2378.237583	3	793.4177246	0.436482096	96.71746284
													ALGLGVEQLPVVFEDVVLHQATILPK	10	1	2xTMT6plex [N-Term; K26]	2.637	2.84	2.814	2.161094189	0	3243.912092	3	1081.976318	0.71216422	107.3324539
													CPPGVVPACHNSK	1	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	3.926	-	-	1.113670349	0	1880.987529	3	627.6671753	-0.295951507	37.98416283
													VTAIHIDPATHR	1	1	1xTMT6plex [N-Term]	-	-	1.917	0.662530482	0	1559.885541	3	520.6341553	1.520547662	47.20254878
													DGAWGAFR	2	1	1xTMT6plex [N-Term]	-	2.83	3.092	1.931702614	0	1108.573709	2	554.7903442	-0.267914921	57.10138657
													DTSFEQHVLWHTGGK	3	1	2xTMT6plex [N-Term; K15]	2.095	2.275	3.213	1.240449786	0	2200.155122	3	734.0559692	-0.803550231	56.2962016
													VFTTVGSAEK	3	1	2xTMT6plex [N-Term; K10]	1.445	2.106	2.239	1.857504129	0	1496.872465	2	748.9390259	-1.129255983	59.4431083
													AINCATSGVVGLVNCLR	5	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	2.4	2.019	2.583	2.135174751	0	2033.083331	3	678.364563	-2.063489033	86.87395147
													LFDHPESPTPNPTEPLFLAQAEVYK	3	1	2xTMT6plex [N-Term; K25]	3.895	3.642	-	2.149977446	0	3298.74	3	1100.248413	-2.823639386	94.12031666
													HSQDLAFLSMLNDIAAVPATAMPFR	1	1	1xTMT6plex [N-Term]	4.187	-	-	1.562109709	0	2945.521485	3	982.5108032	-1.231809732	103.3881904
													QELSFAAR	1	1	1xTMT6plex [N-Term]	-	-	2.217	1.420879841	0	1150.641788	2	575.8245239	-0.014885986	47.85179395
													GYDYGPHFQGILEASLEGDSGR	1	1	1xTMT6plex [N-Term]	-	3.408	-	1.161034703	0	2597.246961	3	866.421814	1.512333864	85.29116552
													FDLSQNHPLGMAIFLK	1	1	2xTMT6plex [N-Term; K16]	-	1.574	-	0.850586236	0	2289.282965	3	763.7666016	0.998551745	95.50641153
													QQEQQVPILEK	2	1	2xTMT6plex [N-Term; K11]	-	2.604	2.869	1.149813533	0	1798.04747	3	600.0212402	0.944287153	59.02752806
													SLLVNPEGPTLMR	1	1	1xTMT6plex [N-Term]	-	2.527	-	1.442535043	0	1655.935193	3	552.6495972	-0.576529865	78.12199983
													VGDPQELNGITR	4	1	1xTMT6plex [N-Term]	-	3.174	3.201	1.625528216	0	1527.832836	2	764.4194946	-0.735507289	55.94514559
66346693	FAT1	protocadherin Fat 1 precursor	4.184829991	16	26	16	4588	505.958	5	1.156	1.203	1.238														
													AYDADSSDIDK	2	1	2xTMT6plex [N-Term; K11]	1.208	-	1.516	1.605675936	0	1657.832117	2	829.4194336	-0.317337621	45.36575955
													AVDNGSPSK	3	1	2xTMT6plex [N-Term; K9]	1.347	1.423	1.359	1.889283895	0	1332.75235	2	666.8808594	1.569473878	29.99167533
													FSLNYNTGLISILEPVK	1	1	2xTMT6plex [N-Term; K17]	-	1.345	-	1.842875957	0	2366.373554	3	789.4630737	0.470526475	101.4164729
													IVSGDSENLFK	1	1	2xTMT6plex [N-Term; K11]	1.032	-	-	0.522510588	0	1666.941608	2	833.9730225	-1.703291892	71.56678174
													LNPDTGELK	1	1	2xTMT6plex [N-Term; K9]	1.05	-	-	1.370717525	0	1444.841165	2	722.9228516	-1.895616671	55.10724919
													AFEVNPQGVLLTSSAIK	3	1	2xTMT6plex [N-Term; K17]	1.088	1.12	1.086	1.621726871	0	2232.30039	3	744.7683105	-4.484705294	93.33719734
													ATDSDSEPNR	2	1	1xTMT6plex [N-Term]	-	1.496	1.469	0.761814356	0	1320.622903	2	660.8145142	-0.871951929	21.64554426
													AEEYILGDFCFLR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.174	1.145	1.22	1.487681746	0	1861.935587	3	621.3171997	0.783459484	97.64523667
													YEVNIGSSAAK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.047	1.310349703	0	1596.899743	2	798.9547729	1.582108363	55.07413217
													EVHSEIIQVEATDK	1	1	2xTMT6plex [N-Term; K14]	-	0.612	-	1.202653646	0	2056.132656	3	686.0492554	0.271024965	59.46205058
													LVNLQCEETGVAK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	-	0.876	1.162168622	0	1919.067219	2	960.0383911	1.191519786	66.30509772
													TGVVSSK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.096	1.162200451	0	1135.708695	2	568.3580933	0.189400186	35.07326022
													IVQQLDFEK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.178	1.200036764	0	1577.930315	2	789.4685059	-0.367317393	75.41071042
													IFVTIADNASPK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.623	0.960194886	0	1734.020192	3	578.6744385	-6.591665059	82.12676485
													DHYTLIVK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.129	0.920341134	0	1446.872072	3	482.9628296	1.288219994	52.61324037
													DGNTGDAFDINPHSGTIITQK	1	1	2xTMT6plex [N-Term; K21]	-	-	1.245	0.815373778	0	2659.372779	3	887.1293945	0.320133287	68.71280135
13787217	FAT2	protocadherin Fat 2 precursor	9.151529087	34	55	34	4349	479.018	5.16	0.748	0.86	0.853														
													DWNDNAPR	2	1	1xTMT6plex [N-Term]	-	0.86	0.941	1.404374957	0	1216.590815	2	608.7996216	0.946221234	44.06161331
													VGASDGVFR	2	1	1xTMT6plex [N-Term]	0.732	0.74	-	1.849712253	0	1136.626138	2	568.8162842	-0.7448013	46.06191913
													TGVLTQFTK	1	1	2xTMT6plex [N-Term; K9]	0.803	-	-	0.787140489	0	1452.882636	2	726.9449463	-0.013994162	68.11472166
													TGVLTVTGPLDYESK	2	1	2xTMT6plex [N-Term; K15]	-	0.941	0.854	1.265308738	0	2038.147243	2	1019.575562	-1.666529804	78.43862816
													GTTPESNK	2	1	2xTMT6plex [N-Term; K8]	0.769	0.862	-	0.875870943	0	1291.725801	2	646.3671265	0.909627791	26.19999023
													HELQVLAVDR	3	1	1xTMT6plex [N-Term]	1.021	1.032	0.977	1.852350116	0	1408.810979	3	470.2748108	-0.780585167	49.20946258
													DSGPYGTIDYTIINK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.011	0.778259397	0	2115.137407	3	705.7171021	-0.309071011	77.90205424
													DVFNLVAK	2	1	2xTMT6plex [N-Term; K8]	0.604	0.63	-	1.807962894	0	1363.834958	2	682.4182739	-4.169601611	80.06426678
													ISLTQVLDK	2	1	2xTMT6plex [N-Term; K9]	-	1.501	0.78	1.638518691	0	1474.924501	2	737.9679565	2.803801777	88.91002253
													DGVFSLDPDTGVIK	2	1	2xTMT6plex [N-Term; K14]	0.584	-	0.67	1.797863841	0	1921.068265	3	641.0282593	1.020292755	86.93491604
													VTPDGWLVTAEGLSR	2	1	1xTMT6plex [N-Term]	0.843	1.226	-	1.730011106	0	1829.995879	3	610.6705322	0.636394705	89.86391995
													VTASDGK	1	1	2xTMT6plex [N-Term; K7]	0.701	-	-	0.450314641	0	1135.672309	2	568.3394165	-0.662948442	32.41698421
													TYVESFEK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.695	1.223030567	0	1460.803717	2	730.9075928	2.869431961	61.05680049
													ILEPEALK	1	1	2xTMT6plex [N-Term; K8]	0.721	-	-	1.114655614	0	1370.865924	2	685.9367065	0.155256567	72.8804453
													IISGDVANVFK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.976	1.182914257	0	1620.972514	2	810.9869995	-3.572822187	88.38614483
													FSEPLYTFSAPEDLPEGSEIGIVK	1	1	2xTMT6plex [N-Term; K24]	0.822	-	-	2.060084581	0	3083.622905	3	1028.547974	2.09577456	97.59732141
													LDQANHAPHTLTVK	1	1	2xTMT6plex [N-Term; K14]	0.706	-	-	0.766759992	0	2003.14383	4	501.5414429	0.055959224	47.62752463
													TGLITTTK	2	1	2xTMT6plex [N-Term; K8]	0.868	0.929	-	1.782206178	0	1292.818973	2	646.9125977	-0.815858617	53.5830308
													DQEIPIK	2	1	2xTMT6plex [N-Term; K7]	0.81	0.717	-	1.350440145	0	1300.787673	2	650.8961182	-2.086137446	54.97501367
													VQLSEFSPPGSR	2	1	1xTMT6plex [N-Term]	0.895	1.117	-	1.298496366	0	1532.827023	2	766.9163818	-1.001866552	64.99823578
													DSYTLIIQATEK	3	1	2xTMT6plex [N-Term; K12]	0.673	0.686	0.723	1.614114881	0	1840.046801	3	614.0211792	1.186658761	81.00431079
													VIDLLAIDK	3	1	2xTMT6plex [N-Term; K9]	-	0.668	0.696	0.93667233	0	1457.934337	2	729.4706421	-0.226306703	95.68879961
													YTLLSPTEK	1	1	2xTMT6plex [N-Term; K9]	-	0.792	-	1.465397596	0	1509.892867	2	755.4483643	-2.261540836	66.80961029
													DVIEINPVTGVVK	4	1	2xTMT6plex [N-Term; K13]	0.764	0.709	0.714	1.802781105	0	1841.114821	2	921.0569458	-4.45701069	82.44688988
													TEEYVVGNFCFLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.127	-	-	0.94278878	0	1862.930836	3	621.6463623	-3.383070276	86.32331892

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VHEDVFPGHFILK	1	1	2xTMT6plex [N-Term; K13]	-	1.064	-	1.154977798	0	1996.142039	4	499.7914734	1.014454206	71.22168562
													VPEDLPPGTVLTFLDASDPDLGPAGEVR	1	1	1xTMT6plex [N-Term]	-	0.538	-	0.901441932	0	3106.614576	3	1036.210449	0.714068706	101.4396874
													ITASDGK	1	1	2xTMT6plex [N-Term; K7]	-	0.766	-	1.278324246	0	1149.687959	2	575.3479614	0.597459125	37.03544058
													VLQLILSDPDSPENGPPYSFR	2	1	1xTMT6plex [N-Term]	-	0.923	0.84	2.380250454	0	2573.344884	3	858.4526978	-0.522234035	99.01544464
													VVSGNEQGR	1	1	1xTMT6plex [N-Term]	-	-	0.79	0.833461046	0	1174.637766	2	587.8222046	-0.538889802	27.69975601
													LSPVSPGPVYR	1	1	1xTMT6plex [N-Term]	-	-	0.812	1.106043696	0	1400.809916	2	700.9082031	-0.561525151	55.36771226
													HLDSSYNLR	1	1	1xTMT6plex [N-Term]	-	-	1.755	1.32804656	0	1333.706179	3	445.2406616	0.938874919	36.7672704
													ATDSGQPPLSASVR	1	1	1xTMT6plex [N-Term]	-	-	0.735	1.373309255	0	1614.864865	2	807.9367065	0.787524681	43.65134283
													SNPLFQSPYYK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.707	1.007921457	0	1801.988892	3	601.3355103	1.712203517	74.47666693
66346695	FBN2	fibrillin-2 precursor	0.480769231	1	2	1	2912	314.558	4.86	-	0.884	-														
													RPDGEGCVDENECR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.884	-	1.318938613	0	1921.832989	3	641.2813721	-1.782948405	23.27939792
30795117	FBXO18	F-box DNA helicase 1 isoform 1	0.731261426	1	1	1	1094	123.296	8.1	-	1.08	-														
													IHLIGGIK	1	1	2xTMT6plex [N-Term; K8]	-	1.08	-	1.837100267	0	1308.876763	3	436.9635315	-0.551570322	52.36359676
15812198	FBXO2	F-box only protein 2	8.108108108	2	5	2	296	33.307	4.37	1.328	1.345	1.376														
													ELVDGAPLWLLK	4	1	2xTMT6plex [N-Term; K12]	1.328	1.345	1.376	2.539860249	0	1812.103528	2	906.5540161	-1.529908967	100.1492708
													FEHGGQDSVYWK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.375	1.127715707	0	1910.980118	3	637.6646118	-0.437529817	60.52035488
22547149	FBXO22	F-box only protein 22 isoform a	3.473945409	1	2	1	403	44.48	7.03	0.7	0.824	-														
													STFVLSNLAEVVER	2	1	1xTMT6plex [N-Term]	0.7	0.824	-	1.548927546	0	1793.00063	3	598.3359985	-4.008645849	95.21046864
567757589	FDFT1	squalene synthase isoform 3	3.781512605	1	1	1	476	53.595	7.3	1.023	-	-														
													LFSASEFEDPLVGEDTER	1	1	1xTMT6plex [N-Term]	1.023	-	-	1.807997823	0	2270.102588	3	757.3677979	-6.055992969	92.44018073
209571582	FDPS	farnesyl pyrophosphate synthase isoform a	18.85441527	7	27	7	419	48.245	6.15	1.294	1.548	1.389														
													VLTEDEMGHPEIGDAIAR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	1.367	1.534	1.182	1.202224612	0	2198.096063	3	733.3706665	0.629149809	58.13423741
													QDFVQHFSQIVR	4	1	1xTMT6plex [N-Term]	1.333	1.344	1.35	1.7966609	0	1732.933219	3	578.3148193	-1.912561979	69.900566
													EVLEYNAIGGK	5	1	2xTMT6plex [N-Term; K11]	1.004	1.47	1.401	1.817868352	0	1650.946693	2	825.9784546	1.780535798	70.32740306
													QDADSLQR	1	1	1xTMT6plex [N-Term]	-	1.908	-	1.089301944	0	1161.606131	2	581.3068237	0.206413285	35.52779731
													IGTDIQDNK	3	1	2xTMT6plex [N-Term; K9]	1.159	1.734	1.292	1.447259545	0	1461.831329	3	487.9492188	1.213587344	56.06172527
													ATPEQYQILK	10	1	2xTMT6plex [N-Term; K10]	1.396	1.476	1.518	1.929153204	0	1648.967428	3	550.3265991	-1.324669415	62.03709048
													CSWLVVQCLQR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.336	-	1.066560507	0	1677.876633	3	559.9661865	4.394500864	78.61339141
4758356	FEN1	flap endonuclease 1	6.315789474	2	5	2	380	42.566	8.62	0.964	1.048	1.269														
													HLTASEAK	2	1	2xTMT6plex [N-Term; K8]	0.927	-	1.32	1.965872049	0	1314.778171	3	438.9309692	0.139335173	30.14608591
													QLQQAQAAGAEQEVEK	3	1	2xTMT6plex [N-Term; K16]	1.075	1.048	1.148	2.149745464	0	2186.181731	3	729.3996582	1.230629337	49.84090464
201861813	FERMT2	fermitin family homolog 2 isoform 2	2.765647744	1	1	1	687	78.625	6.7	-	-	1.496														
													TSTILGDITSIPELADYIK	1	1	2xTMT6plex [N-Term; K19]	-	-	1.496	1.804765582	0	2508.421292	3	836.8120117	0.075548015	103.3386762
4826754	FGFBP1	fibroblast growth factor-binding protein 1 precursor	28.63247863	5	13	5	234	26.247	9.1	0.977	1.018	1.034														
													APECVEDPDMANQR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M10];	1.293	-	-	0.868234456	0	1876.836678	2	938.9215088	-0.499271932	36.87097943
													DFPESSLK	3	1	2xTMT6plex [N-Term; K8]	0.984	1.034	-	1.366185069	0	1380.777503	2	690.892395	0.007886182	56.04304509
													DTLGNTQIK	1	1	2xTMT6plex [N-Term; K9]	0.809	-	-	1.652837992	0	1447.852064	2	724.428772	-1.241200487	48.76337489
													VECTQLDHEFSCVFAGNPTSCLK	1	1	2xTMT6plex [N-Term; K23]; 3xCarbamidomethyl	-	0.798	-	1.837826729	0	3157.515697	3	1053.175171	-1.500507089	87.44885741
													WAATEQEEGISLK	7	1	2xTMT6plex [N-Term; K13]	1.019	1.038	1.034	2.345249176	0	1920.047863	2	960.5299072	2.434519063	71.10862282
19743875	FH	fumarate hydratase, mitochondrial	16.66666667	6	15	6	510	54.602	8.76	0.653	0.763	0.71														
													AADEVAEGK	3	1	2xTMT6plex [N-Term; K9]	0.811	0.852	0.847	2.045821905	0	1347.752016	2	674.380188	0.803795171	36.76088875
													VAALTGLPFVTAPNK	5	1	2xTMT6plex [N-Term; K15]	0.603	0.643	0.639	1.639646411	0	1957.188654	3	653.067627	-0.167015389	95.50132442
													LHDALDAK	2	1	2xTMT6plex [N-Term; K8]	-	0.739	0.738	1.797969103	0	1340.793821	3	447.6032104	0.937331032	45.69463258
													IYELAAGGTAVGTGLNTR	2	1	1xTMT6plex [N-Term]	-	1.002	0.963	1.087447882	0	1993.09157	2	997.0500488	0.627676254	74.65584087
													AIEMLGGELGSK	2	1	2xTMT6plex [N-Term; K12]	-	1.16	0.835	1.930438519	0	1662.950064	2	831.9781494	-0.626357879	78.64740104
													THTQDAVPLTLGQEFSGYVQQVK	1	1	2xTMT6plex [N-Term; K23]	-	0.818	-	1.26530385	0	3004.614406	3	1002.208191	-1.459959749	88.69910867
228480211	FHL1	four and a half LIM domains protein 1 isoform 1	2.476780186	1	1	1	323	36.239	8.97	-	1.17	-														
													KPIGADSK	1	1	3xTMT6plex [N-Term; K1; K8]	-	1.17	-	1.129955173	0	1502.95094	3	501.6555481	0.766051026	38.08785627
151108473	FIS1	mitochondrial fission 1 protein	7.236842105	1	1	1	152	16.927	8.79	-	1.051	-														
													GIVLLEELLPK	1	1	2xTMT6plex [N-Term; K11]	-	1.051	-	1.614065051	0	1682.086815	3	561.3665771	-0.973258141	103.4865666
192448443	FKBP10	peptidyl-prolyl cis-trans isomerase FKBP10 precursor	2.06185567	1	5	1	582	64.204	5.62	0.628	0.62	0.629														
													IIPPFLAYGEK	5	1	2xTMT6plex [N-Term; K12]	0.628	0.62	0.629	1.311713934	0	1819.113364	3	607.0430298	0.644113496	101.1381386
8923659	FKBP14	peptidyl-prolyl cis-trans isomerase FKBP14 precursor	5.213270142	1	1	1	211	24.156	6.07	-	-	0.667														
													LIIPPALGYGK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.667	0.490936846	0	1600.023821	2	800.5149536	-0.74410982	93.80395389
17149836	FKBP1A	peptidyl-prolyl cis-trans isomerase FKBP1A isoform a	28.7037037	2	13	2	108	11.943	8.16	0.903	0.703	0.772														
													GWEEGVAQMSVGQR	5	1	1xTMT6plex [N-Term]	1.026	0.866	1.028	1.239281774	0	1762.874384	2	881.9412231	0.44593595	59.38690726
													GWEEGVAQMSVGQR	7	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	0.799	0.894	0.707	2.376962185	0	1778.869299	3	593.6277466	-0.344063449	50.60406307
													RGQTCVVHYTGMLEDGK	1	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M12];	-	0.471	-	1.440365553	1	2425.23682	4	607.0639648	-1.150809264	51.46665502
17149844	FKBP2	peptidyl-prolyl cis-trans isomerase FKBP2 precursor	28.16901408	2	3	2	142	15.639	9.13	0.847	-	0.923														
													LVIPSELGYGER	2	1	1xTMT6plex [N-Term]	0.842	-	0.923	1.918672442	0	1561.878724	3	521.2977905	0.060428527	79.17484098
													LEDGTEFDSSLPQNQPFVFSLGTGQVIK	1	1	2xTMT6plex [N-Term; K28]	0.876	-	-	1.962174654	0	3511.836086	3	1171.283203	-0.293118749	98.01249899
4503727	FKBP3	peptidyl-prolyl cis-trans isomerase FKBP3	15.625	3	7	3	224	25.161	9.28	1.1	0.933	1.042														
													GWDEALLTMSK	1	1	2xTMT6plex [N-Term; K11]	-	0.724	-	0.943980753	0	1708.934414	3	570.3171997	1.540211885	89.95733732
													ARLEIEPEWAYGK	2	1	2xTMT6plex [N-Term; K13]	1.1	1.001	-	1.742918253	1	2020.126782	3	674.0467529	-0.533105618	68.55711712
													SEETLDEGPPK	4	1	2xTMT6plex [N-Term; K11]	-	1.012	1.042	1.747032285	0	1659.884152	3	553.9658203	-0.749782747	47.9968737
4503729	FKBP4	peptidyl-prolyl cis-trans isomerase FKBP4	37.90849673	14	25	14	459	51.772	5.43	1.278	1.343	1.452														
													SNTAGSQSQVETEA	3	1	1xTMT6plex [N-Term]	1.228	1.14	1.262	1.115004778	0	1637.781589	2	819.3952026	0.9403839	29.81283893
													ESWEMNSEEK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.324	0.629613578	0	1726.835822	2	863.9226685	1.296269184	49.99192576
													VLQLYPNNK	1	1	2xTMT6plex [N-Term; K9]	-	1.357	-	1.607013106	0	1546.935734	3	516.3163452	-0.809390746	68.10023637
													FSFDLGK	3	1	2xTMT6plex [N-Term; K7]	1.535	1.584	1.4	1.748380065	0	1271.739995	2	636.3734131	-0.350203758	79.6636768
													IVSWLEYESSFSNEEAQK	1	1	2xTMT6plex [N-Term; K18]	1.3	-	-	2.394285917	0	2604.323369	3	868.7787476	-0.645009847	95.74140788
													TQLAVCQQR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.19	-	1.981774807	0	1332.725535	2	666.866394	-0.017651093	44.98007177

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													ALELDSNNEK	1	1	2xTMT6plex [N-Term; K10]	1.448	-	-	0.94067353	0	1590.873922	2	795.9404297	-0.213212999	51.35761052
													ATESGAQSAPLPMEGVDISPK	1	1	2xTMT6plex [N-Term; K21]	-	1.407	-	2.107083797	0	2543.342724	3	848.449646	-3.279051478	78.03838471
													ATESGAQSAPLPMEGVDISPK	2	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M13]	0.992	0.999	-	1.565890908	0	2559.337639	3	853.7849731	1.065390338	66.1073718
													FQIPPNAELK	2	1	2xTMT6plex [N-Term; K10]	1.407	1.102	-	1.383078575	0	1614.961949	2	807.9845581	-0.067864796	77.12316489
													LQAFSAAIESCNK	3	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.253	1.351	1.148	2.495477438	0	1897.025354	3	633.0122681	-1.635861521	78.13211301
													AEASSGDHPTDTEMK	2	1	2xTMT6plex [N-Term; K15]	-	1.755	2.201	1.355984688	0	2033.985005	3	678.6651611	-2.003422617	32.00189347
													AEASSGDHPTDTEMK	1	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M14]	-	-	1.226	1.335755825	0	2049.97992	3	683.9968262	-1.948709027	29.76132545
													LAEEENK	1	1	2xTMT6plex [N-Term; K7]	-	1.363	-	1.385688186	0	1290.730552	2	645.8690796	0.255831619	38.50895562
													GEDLTEEEDGGIIR	1	1	1xTMT6plex [N-Term]	-	1.383	-	2.143959761	0	1761.870403	2	881.4385986	-0.2740408	56.83389626
													FEIGEGENLDLPYGLER	1	1	1xTMT6plex [N-Term]	-	1.275	-	0.668016911	0	2180.10728	2	1090.556763	-0.472820482	92.21986909
224809329	FKBP5	peptidyl-prolyl cis-trans isomerase FKBP5 isoform 1	9.846827133	4	6	4	457	51.18	5.9	0.75	0.621	0.598														
													VLEVNPQNK	1	1	2xTMT6plex [N-Term; K9]	0.692	-	-	1.981240392	0	1498.899349	2	749.9539795	0.889595673	54.08458286
													FAEQDAK	1	1	2xTMT6plex [N-Term; K7]	0.796	-	-	1.115494847	0	1266.709423	2	633.8586426	0.462226174	42.04416653
													TSEGVTNEK	2	1	2xTMT6plex [N-Term; K9]	-	0.6	0.598	1.508490801	0	1422.784044	2	711.8956909	0.042751349	31.51907482
													NNEESPTATVAEQGEDITSK	2	1	2xTMT6plex [N-Term; K20]	0.753	0.713	-	1.019568443	0	2578.28844	3	860.0988159	-2.538767964	57.43072848
547235570	FKBP9	peptidyl-prolyl cis-trans isomerase FKBP9 isoform 2 precursor	10.75441413	5	9	5	623	69.111	5.31	0.366	0.388	0.429														
													YHYVGTFPDGQK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.465	0.949773669	0	1869.989955	3	624.0020142	0.820587547	51.57922409
													LAPGFDAELIVK	3	1	2xTMT6plex [N-Term; K12]	0.355	0.399	0.372	1.4076581	0	1731.045679	3	577.6871338	0.675526476	93.34160433
													DSISIENK	1	1	2xTMT6plex [N-Term; K8]	0.357	-	-	0.770327687	0	1363.783316	2	682.3955078	0.31005292	48.55150536
													DIPGQASLVFDVALLDLHNPK	3	1	2xTMT6plex [N-Term; K21]	0.386	0.369	0.418	1.278588653	0	2720.538722	3	907.5145264	-3.564113371	99.84415624
													IVVPPHLGYGEEGR	1	1	1xTMT6plex [N-Term]	-	-	0.533	0.870338321	0	1751.964185	3	584.6588745	-1.206968077	59.34815772
60097902	FLG	filaggrin	1.329721743	2	4	2	4061	434.922	9.25	1.173	1.369	1.182														
													HAETSSGGQAASSHEQAR	1	1	1xTMT6plex [N-Term]	0.981	-	-	1.139934778	0	2039.969223	4	510.7476501	-0.221701415	15.94930536
													HAETSSGGQAASSQEQAR	3	1	1xTMT6plex [N-Term]	1.256	1.369	1.182	2.036952972	0	2030.968889	3	677.6605835	-0.832785636	16.71023691
62122917	FLG2	filaggrin-2	2.09117524	1	1	1	2391	247.928	8.31	1.916	-	-														
													SGQSSYGQHSSGSSQSSGYGQHGSR	1	1	1xTMT6plex [N-Term]	1.916	-	-	1.452502728	0	2729.20974	4	683.057251	-0.940269893	18.79048712
4503743	FLII	protein flightless-1 homolog isoform 1	1.260835303	1	1	1	1269	144.659	6.05	-	-	0.728														
													VGLGLGYLELPQINYK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.728	1.024650574	0	2235.315311	3	745.777771	1.542649605	99.11968315
160420317	FLNA	filamin-A isoform 2	42.99206649	83	222	77	2647	280.564	6.06	1.735	1.76	1.774														
													VTGDDSMR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	-	-	1.742	0.948370993	0	1125.540754	2	563.2741699	0.274689076	21.53851034
													AEGPGLSR	1	1	1xTMT6plex [N-Term]	-	-	1.217	0.951010406	0	1015.573374	2	508.2901917	-0.263702481	27.891013
													VGTECGNQK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.919	-	1.323	0.983837247	0	1450.772434	2	725.8909912	1.565787867	29.45945911
													VLPTHDASK	2	1	2xTMT6plex [N-Term; K9]	-	1.165	1.057	1.135786653	0	1425.846585	3	475.9544678	1.588481072	38.24394258
													CSGPGLSPGMVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.616	-	-	0.678168952	0	1446.73947	2	723.8737793	0.560919064	47.61155504
													TPCEEILVK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.712	-	1.972	1.401451945	0	1546.891487	2	773.9501343	0.973083568	59.61175418
													SAGQGEVLVYVEDPAGHQEEAK	4	1	2xTMT6plex [N-Term; K22]	2.055	1.681	1.93	1.708266139	0	2771.425208	3	924.4823608	2.641543243	60.04301553
													EAGAGGLAIAVEGPSK	3	1	2xTMT6plex [N-Term; K16]	1.79	1.747	1.819	1.911186337	0	1885.079498	2	943.0438232	0.462545148	66.64905199
													VTVLFAGQHIAK	1	1	2xTMT6plex [N-Term; K12]	1.807	-	-	1.335654974	0	1742.072897	3	581.3629761	0.84863995	71.18721126
													LQVEPAVDTSGVQCYGPGIEGQGVFR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.087	1.472	1.081	1.851894021	0	2992.503586	3	998.1732788	0.567055555	86.78050233
													LPQLPITNFSR	1	1	1xTMT6plex [N-Term]	-	-	1.623	0.761683762	0	1514.889229	3	505.6346436	0.097891027	90.25176692
													AFGPGLQGGSAGSPAR	5	1	1xTMT6plex [N-Term]	1.171	1.458	1.524	2.227619886	0	1658.881184	2	829.9452515	1.231426161	56.06656771
													IPEISIQDMTAQVTSPSGK	4	1	2xTMT6plex [N-Term; K19]	1.679	1.691	1.936	1.936653852	0	2460.341996	4	615.8416748	1.167755846	92.56913022
													VNVGAGSHPNK	4	1	2xTMT6plex [N-Term; K11]	-	1.883	1.906	1.929960251	0	1537.885096	3	513.2998047	-0.152838142	31.30260885
													ALTQTGGPHVK	3	1	2xTMT6plex [N-Term; K11]	1.841	1.885	1.817	1.743067622	0	1566.936797	3	522.9838257	0.080878043	39.86046751
													GTVEPQLEAR	2	1	1xTMT6plex [N-Term]	1.599	-	1.547	1.948529005	0	1328.737145	2	664.8723145	0.155866983	41.53069945
													YGGQPVPNFPSK	2	1	2xTMT6plex [N-Term; K12]	1.343	-	-	1.196982265	0	1748.973576	3	583.6624756	-0.401916985	64.14045879
													GAGTGGLGLAVEGPSEAK	5	1	2xTMT6plex [N-Term; K18]	1.69	1.265	1.453	2.114165306	0	2029.13299	3	677.0490112	-0.251106555	65.12273944
													VQVQDNEGCPVEALVK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.479	1.683	-	1.875065327	0	2243.210589	2	1122.108276	-0.585092471	72.30781945
													SPFEVYVDK	2	1	2xTMT6plex [N-Term; K9]	1.799	-	1.661	0.84653753	0	1541.861566	2	771.4345703	0.192977766	73.33836205
													VTYTPMAPGSYLISIK	3	1	2xTMT6plex [N-Term; K16]	1.298	1.358	1.418	1.22682488	0	2199.249934	3	733.7556152	1.07238522	94.46412261
													AGQSAAGAAPGGGVDTR	4	1	1xTMT6plex [N-Term]	1.93	1.399	1.259	1.555962563	0	1671.861176	2	836.4334106	-0.975930873	29.24527269
													VPVHDVTDASK	1	1	2xTMT6plex [N-Term; K11]	1.237	-	-	1.234995127	0	1625.926292	2	813.4664917	-0.359869673	45.46197211
													DQEFTVK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.845	1.237210035	0	1324.751288	2	662.8800659	1.183169967	49.3162206
													SPYTVTVGQACNPSACR	6	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.662	1.932	1.618	1.694906712	0	2097.005475	2	1049.008423	1.952576269	49.43024729
													DAPQDFHPDRVK	2	1	2xTMT6plex [N-Term; K12]	-	2.134	1.47	1.45150125	1	1883.017566	4	471.5101013	0.535822637	42.69744045
													VHSPSGALEECYVTEIDQDK	4	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	1.878	1.824	1.862	1.691724896	0	2735.359831	3	912.4595337	1.541480638	65.31749912
													ANLPQSFQVDTSK	2	1	2xTMT6plex [N-Term; K13]	1.441	-	1.417	2.24078536	0	1893.048198	3	631.6882324	1.028080335	65.44830214
													DAGEGGLSLAIEGPSK	8	1	2xTMT6plex [N-Term; K16]	1.601	2.007	1.625	2.329894066	0	1959.079892	3	653.6970825	-1.632134258	72.34510845
													AWGPGLEGGVVGK	2	1	2xTMT6plex [N-Term; K13]	2.288	2.024	-	2.393521309	0	1684.978662	2	842.9938354	1.028160461	75.89534372
													YWPQEAGEYAVHVLCNSEDIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.535	1.126667619	0	2765.31908	3	922.4430542	-1.61672567	90.2353203
													DAPQDFHPDR	2	1	1xTMT6plex [N-Term]	0.865	0.855	-	1.661070228	0	1426.691258	3	476.2363892	2.352737813	32.57612965
													ATCAPQHGAPGPGPADASK	3	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.838	1.909	1.826	1.552021623	0	2248.154471	3	750.0560303	-0.415078101	37.63205534
													VEPGLGADNSVVR	3	1	1xTMT6plex [N-Term]	2.101	2.064	-	1.456884623	0	1541.848486	2	771.4285278	0.838353492	51.57836911
													YAPSEAGLHEMDIR	3	1	1xTMT6plex [N-Term]	2.125	2.38	2.226	1.365494609	0	1817.905349	3	606.6409302	1.588634604	53.7996369
													AYGPGIEPTGNMVK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M12]	2.327	-	2.701	1.755236149	0	1908.030105	3	636.6812744	-0.437806411	57.45155742
													RLTVSSLQESGLK	2	1	2xTMT6plex [N-Term; K13]	1.799	1.524	-	1.352505803	1	1876.126782	3	626.0462036	-1.452401928	59.03842931
													FVPAEMGTHTVSVK	1	1	2xTMT6plex [N-Term; K14]	1.876	-	-	1.016100645	0	1961.09304	3	654.3674316	-2.701492493	65.09276165
													AHEPTYFTVDCAEAGQGDVSIGIK	1	1	2xTMT6plex [N-Term; K24]; 1xCarbamidomethyl	1.361	-	-	1.671510577	0	3023.518457	3	1008.513916	2.8899036	74.56563991
													ENGVYLIDVK	4	1	2xTMT6plex [N-Term; K10]	2.094	2.273	-	1.371131897	0	1607.940879	3	536.6517334	-0.144541811	74.98820509
													AEAGVPAEFSIWTR	3	1	1xTMT6plex [N-Term]	1.515	1.81	1.836	1.622658968	0	1762.93255	3	588.3139648	-2.954780516	83.80724653
													FGGEHVPNSPFQVTALAGDQPSVQPPLR	1	1	1xTMT6plex [N-Term]	0.873	-	-	1.314035177	0	3174.653362	4	794.4187012	-0.121859761	88.52544409
													CAPGVVGPAEADIDFDIIRNDNDTFTVK	2	1	2xTMT6plex [N-Term; K28]; 1xCarbamidomethyl	1.726	-	1.653	0.895124257	1	3507.783004	3	1169.930176	-2.004202153	93.38772195

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VEPSHDASK	5	1	2xTMT6plex [N-Term; K9]	1.72	2.08	2.015	1.644528151	0	1427.789464	3	476.6013489	0.020465804	30.68399471
													MDCQECPEGYR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.675	1.786	1.32676816	0	1673.691928	2	837.3495483	-0.064558065	36.59838476
													THEAEIVEGENHTYCIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.057	-	-	1.347695708	0	2287.09746	4	572.5311279	2.283080997	42.58565882
													VAQPTITDNK	1	1	2xTMT6plex [N-Term; K10]	1.865	-	-	1.279886484	0	1544.904828	2	772.9533691	-3.473708317	49.31282774
													AGVAPLQVK	7	1	2xTMT6plex [N-Term; K9]	1.734	1.748	1.847	1.952257276	0	1340.866592	2	670.9364624	-0.704160517	57.57669046
													VTAQGPGLEPSGNIANK	9	1	2xTMT6plex [N-Term; K17]	2.078	1.829	1.935	2.528980255	0	2111.186088	2	1056.0979	1.153859086	61.03391679
													LTVSSLQESGLK	3	1	2xTMT6plex [N-Term; K12]	1.415	-	1.719	2.498721361	0	1720.025672	3	574.0126343	-1.349943787	71.91000993
													DGSCGVAYVVQEPGDYEVSVK	6	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	1.733	1.701	2.214	2.784183979	0	2716.354018	2	1358.675293	-3.942185897	75.73633281
													VGSAADIPINISETDLSLLTATVVPPSGR	3	1	1xTMT6plex [N-Term]	2.056	2.105	2.096	2.280664682	0	3122.714624	3	1041.577271	0.84344673	102.9173534
													KGEITGEVR	1	1	2xTMT6plex [N-Term; K1]	1.693	-	-	0.847936809	1	1446.868049	3	482.9606934	-0.360780567	33.83115026
													SSFTVDCSK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.338	1.776	1.43282485	0	1488.776851	3	496.930481	0.02603553	49.94584063
													THIQDNHDGTYTVAYVPDVTGR	1	1	1xTMT6plex [N-Term]	-	-	1.297	1.309318542	0	2688.321523	3	896.7798462	1.288058065	58.96613291
													VANPSGNLTETYVQDR	6	1	1xTMT6plex [N-Term]	1.859	1.484	1.739	2.025867462	0	1993.018799	3	665.0106201	-0.748552115	56.62777173
													NGHVGISFVPK	3	1	2xTMT6plex [N-Term; K11]	2.05	1.949	1.924	2.103553057	0	1612.957533	3	538.3237305	-0.554493055	58.28187751
													IVGPSGAAVPCK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.881	-	-	0.956163228	0	1613.944919	3	538.6531982	0.07574395	58.60158607
													IANLQTDLSDGLR	1	1	1xTMT6plex [N-Term]	1.337	-	-	1.241199851	0	1644.911815	3	548.973938	-2.768650036	75.90719916
													YTPVQQGPVGVNVTYGGDPIPK	7	1	2xTMT6plex [N-Term; K22]	2.028	2.11	2.111	3.04702425	0	2744.502337	3	915.5036011	-2.21776723	77.93017706
													EGPYSISVLYGDEEVPR	5	1	1xTMT6plex [N-Term]	1.252	1.244	1.867	1.42771256	0	2139.08073	2	1070.044678	0.630349631	80.93734139
													LDVQFSGLTK	4	1	2xTMT6plex [N-Term; K10]	2.134	2.046	1.975	1.577945352	0	1565.930315	2	783.46698	-2.318978711	78.71468577
													ASGPGLNTTGVPASLPVEFTIDAK	7	1	2xTMT6plex [N-Term; K24]	1.092	1.222	1.189	1.812441826	0	2800.549681	3	934.1835938	-4.803585558	94.81904213
													AEISFEDRK	2	1	2xTMT6plex [N-Term; K9]	-	1.799	-	1.081760287	1	1552.873528	2	776.9407349	0.428249017	47.47369624
													AHVVPCFDASK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	2.234	2.261	0.930399239	0	1688.919433	3	563.6442261	-0.774321923	51.93474351
													YNEQHVPGSPFTAR	2	1	1xTMT6plex [N-Term]	-	2.176	2.393	0.627446949	0	1831.928862	2	916.4671021	-1.05596264	45.72857569
													FNEEHIPDSPFVVPVASPSGDAR	2	1	1xTMT6plex [N-Term]	-	1.093	1.604	1.584199071	0	2696.35176	3	899.4550171	-0.468080792	83.3203858
													ETGEHLVHVK	1	1	2xTMT6plex [N-Term; K10]	-	2.406	-	1.515416503	0	1606.931712	3	536.3161621	1.382391118	35.05728915
													VNQPASFAVSLNGAK	1	1	2xTMT6plex [N-Term; K15]	-	-	2.058	1.455800056	0	1961.122031	3	654.3792725	0.628559974	74.44766952
													YGGPYHIGGSPFK	1	1	2xTMT6plex [N-Term; K13]	-	-	2.189	0.694392443	0	1838.000126	3	613.3383789	0.249145114	61.19564404
													WGDEHIPGSPYR	1	1	1xTMT6plex [N-Term]	-	-	1.483	1.189375401	0	1642.817521	2	821.9112549	-1.392445811	52.8095298
													AGNNMLLVGVHGPR	1	1	1xTMT6plex [N-Term]	-	-	1.376	1.178032756	0	1663.92636	3	555.3139038	0.47991654	53.3535743
													VTANNDK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.635	1.14142406	0	1219.704672	2	610.3566895	1.172649645	32.84467081
													VGSAADIPINISETDLSLLTATVVPPSGREEPCLLK	1	1	2xTMT6plex [N-Term; K36]; 1xCarbamidomethyl	-	-	2.052	0.996052027	1	4221.309246	4	1056.082642	-0.120579593	102.2021252
													AEISCTDNQDGTCSVSYLPVLPGDYSILVK	1	1	2xTMT6plex [N-Term; K30]; 2xCarbamidomethyl	-	-	1.623	0.834567308	0	3759.886149	4	940.7272339	0.254437724	98.62607881
													GAGSGELK	2	1	2xTMT6plex [N-Term; K8]	-	1.205	2.081	1.629789114	0	1176.698858	2	588.8527222	-0.586942069	31.9830173
													NDNDTFTVK	1	1	2xTMT6plex [N-Term; K9]	1.569	-	-	0.717577994	0	1511.810593	2	756.4091187	0.24289067	48.80071835
													DGTVTVR	1	2	1xTMT6plex [N-Term]	-	-	1.803	1.14898622	0	976.5624755	2	488.7846375	-0.488629932	26.54702675
													QMQLENVSVALEFLDRESIK	1	2	2xTMT6plex [N-Term; K20]	-	-	1.33	1.314031005	1	2807.537736	3	936.5158081	-1.732743796	98.24080641
													QMQLENVSVALEFLDRESIK	2	2	2xTMT6plex [N-Term; K20]; 1xOxidation [M2]	1.832	1.953	-	1.619536757	1	2823.532651	3	941.8488159	-0.267858101	96.26721805
													AIVDGNLK	3	2	2xTMT6plex [N-Term; K8]	2.198	-	2.017	1.528409958	0	1287.803658	3	429.93927	-0.311345137	53.84448249
													DLAEDAPWK	3	2	2xTMT6plex [N-Term; K9]	1.839	1.907	-	1.712048054	0	1502.825515	2	751.9162598	-0.181257736	67.23901884
													LVSIDSK	3	2	2xTMT6plex [N-Term; K7]	2.208	2.285	-	1.32530117	0	1219.76621	2	610.3861084	-1.040742984	57.78674389
													IQQNTFTR	2	2	1xTMT6plex [N-Term]	-	0.78	1.648	1.049788475	0	1236.689801	2	618.8486328	0.151909557	39.81957389
256222411	FLNB	filamin-B isoform 1	51.5001899	101	291	95	2633	281.459	5.71	1.937	1.954	1.964														
													VEPAVDTSR	1	1	1xTMT6plex [N-Term]	-	1.933	-	1.296180129	0	1202.657832	2	601.8335571	1.667438367	34.82642623
													VNIGQGSHPQK	3	1	2xTMT6plex [N-Term; K11]	2.066	2.054	2.245	1.689346075	0	1622.93786	2	811.9729614	0.484652914	35.99465836
													VHSPSGAVEECHVSELEPDK	4	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	2.129	2.421	2.392	1.578328252	0	2664.333951	4	666.8400269	1.623884976	47.23236642
													YAPTEVGLHEMHIK	1	1	2xTMT6plex [N-Term; K14]	2.27	-	-	0.932404578	0	2083.141052	4	521.5408936	0.33219486	60.18047118
													YAPTEVGLHEMHIK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M11]	1.83	1.826	-	1.782258749	0	2099.135967	4	525.5402222	1.472730649	48.0909158
													IPEINSSDMSAHVTSPSGR	2	1	1xTMT6plex [N-Term]	0.723	0.838	-	1.405794144	0	2214.102211	3	738.7058716	0.384158459	58.46561149
													IPEINSSDMSAHVTSPSGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	-	1.051	-	1.33421886	0	2230.097126	3	744.0384521	1.64892608	49.22762627
													IAGPGLGSGVR	1	1	1xTMT6plex [N-Term]	-	1.556	-	1.069926381	0	1212.726187	2	606.8687134	3.268238005	49.64202413
													SSTETCYSAIPK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	1.864	-	0.863453627	0	1801.940622	3	601.319458	1.77543222	50.2235525
													FVPQEMGVHTVSVK	2	1	2xTMT6plex [N-Term; K14]	-	2.026	1.915	1.348461866	0	2016.135239	3	672.7168579	0.387761919	67.84124323
													FVPQEMGVHTVSVK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M6]	1.684	-	1.603	1.883556008	0	2032.130154	3	678.046936	-1.918599812	54.59511752
													VTEAEIVPMGK	2	1	2xTMT6plex [N-Term; K11]	-	2.506	-	1.447214961	0	1631.94425	2	816.4761963	0.530519425	70.10025352
													VTEAEIVPMGK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M9]	1.393	1.358	-	1.666794062	0	1647.939165	3	549.9846802	0.195454632	58.05743888
													VTVLFAGQHISK	2	1	2xTMT6plex [N-Term; K12]	-	1.963	1.962	1.035807967	0	1758.067811	3	586.6938477	-0.467252312	70.2174857
													APSVATVGSICDLNLK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	-	0.993	1.55	1.231219888	0	2103.188397	2	1052.098755	0.873181703	85.91678318
													YMIGVTYGGDDIPLSPYR	3	1	1xTMT6plex [N-Term]	-	2.197	1.636	1.446515441	0	2246.136471	2	1123.572876	0.89223569	91.52109006
													DGTCTVTYLPTLPGDYSILVK	5	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	1.81	-	1.849	1.508790255	0	2771.49414	3	924.503479	0.629177487	97.64173823
													MDCQETPEGYK	6	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.32	1.798	1.873	1.247391343	0	1815.865742	2	908.4376221	1.225559012	51.1339998
													MDCQETPEGYK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M1];	1.665	-	-	0.502904296	0	1831.860657	2	916.4347534	0.858769433	38.66194036
													AEVSIQNNK	2	1	2xTMT6plex [N-Term; K9]	2.114	1.56	-	1.275372982	0	1460.847313	2	730.9273682	0.100173457	42.9921254
													AAGSGELGVTMK	3	1	2xTMT6plex [N-Term; K12]	1.676	1.931	1.705	1.835059047	0	1578.892549	2	789.9500122	0.125926278	57.63346535
													AAGSGELGVTMK	4	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M11]	2.219	2.271	2.084	1.432920575	0	1594.887464	3	532.3005371	-0.25449562	46.15373505
													AEISCIDNK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.453	-	1.502	1.333855152	0	1507.81905	2	754.4142456	1.435570759	50.05856321
													GEITGEVHMPSGK	1	1	2xTMT6plex [N-Term; K13]	-	2.092	-	1.007277012	0	1799.97259	3	600.6635132	1.886806944	51.61922002
													GEITGEVHMPSGK	2	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M9]	2.036	1.679	-	1.620890856	0	1815.967505	3	605.9937744	-0.404802294	40.0488727
													FIPHENGVHTIDVK	2	1	2xTMT6plex [N-Term; K14]	-	2.371	2.38	1.767993212	0	2064.164231	4	516.7977905	2.471523002	53.50960383
													SSFLVDCSK	4	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.903	2.072	1.91	1.994381428	0	1500.813236	3	500.9427185	0.243792878	59.32082919
													VDIQTEDLEDGTCK	4	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	2.249	2.193	2.373	1.226683736	0	2081.047271	3	694.3536987	-0.349976958	62.77088466
													SPFVVQVGEACNPNACR	5	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.399	1.745	1.285	2.403503895	0	2134.037109	2	1067.522461	0.251281947	65.53153236
													YSIAITWGGHHIPK	1	1	2xTMT6plex [N-Term; K14]	2.628	-	-	0.836149514	0	2038.163837	4	510.2960205	-0.777458966	66.16249884

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DGTYAVTYIPDK	3	1	2xTMT6plex [N-Term; K12]	1.819	2.099	-	1.500181794	0	1800.978387	2	900.9916382	-1.325514415	66.64265471
													DAGYGGISLAVEGPSK	3	1	2xTMT6plex [N-Term; K16]	2.23	1.833	1.766	1.572721601	0	1979.084977	2	990.046936	0.817681065	71.05015891
													AGSNMLLIGVHGPTTPCEEVSMK	1	1	2xTMT6plex [N-Term; K23]; 1xOxidation [M22];	1.338	-	-	1.155294895	0	2902.487692	3	968.1673584	-0.058434249	71.75573808
													DAGEGLLAVQITDQEGKPK	1	1	3xTMT6plex [N-Term; K17; K19]	-	-	2.607	0.851583004	0	2656.512456	4	664.8827515	-1.23488622	72.24764033
													NTVELLVEDK	3	1	2xTMT6plex [N-Term; K10]	2.174	-	2.244	1.537559271	0	1617.946359	3	539.9874268	0.84576564	74.20167288
													APLNVQFNSPLPGDAVK	6	1	2xTMT6plex [N-Term; K17]	1.149	1.688	1.919	1.649418473	0	2225.269424	4	557.0731812	0.660989343	88.6107254
													IFFAGDTIPK	2	1	2xTMT6plex [N-Term; K10]	2.325	-	-	1.080049157	0	1566.929586	2	783.9693604	1.185511551	90.31254045
													VLFASQEIPASPFR	5	1	1xTMT6plex [N-Term]	1.553	1.73	-	1.859735489	0	1791.000236	3	597.6723633	1.284530121	90.13561255
													VSYFPTVPGVYIVSTK	7	1	2xTMT6plex [N-Term; K16]	1.893	1.857	1.901	2.298807144	0	2215.277863	2	1108.143921	1.219651458	96.18853779
													IPYLPITNFNQNWQDGK	7	1	2xTMT6plex [N-Term; K17]	1.259	2.016	2.055	2.954464197	0	2506.349465	4	627.3435059	1.088666021	96.99260472
													VLPTYDASK	2	1	2xTMT6plex [N-Term; K9]	2.089	-	-	1.516371012	0	1451.851002	3	484.6219482	0.199522239	57.86558182
													AEGPGLSK	1	1	2xTMT6plex [N-Term; K8]	-	2.467	-	0.941509187	0	1216.730158	2	608.8688354	0.193788603	50.17053847
													GIEPTGNMVK	3	1	2xTMT6plex [N-Term; K10]	2.11	1.935	1.929	1.240314364	0	1503.860521	2	752.4333496	-0.730135032	56.39315471
													GIEPTGNMVK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M8]	-	2.37	-	1.135798097	0	1519.855436	2	760.4315186	0.213750181	52.78718414
													AFVGQK	1	1	2xTMT6plex [N-Term; K6]	2.156	-	-	1.087198138	0	1107.692651	2	554.3497314	-0.419438889	45.45687262
													APSGRDEPCLLK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	-	1.654	0.92740494	1	1801.004225	3	601.0072021	1.570399044	48.55722423
													AEITFDDHK	2	1	2xTMT6plex [N-Term; K9]	-	2.418	1.362	0.956853628	0	1533.831329	3	511.9488831	0.500041893	56.34821986
													FNGSHVVGSPFK	2	1	2xTMT6plex [N-Term; K12]	2.183	-	2.272	0.862652123	0	1733.973911	3	578.6634521	1.091351664	53.35377647
													LPNNHIGISFIPR	3	1	1xTMT6plex [N-Term]	1.029	0.781	0.932	1.543806195	0	1706.99034	3	569.6687622	0.816226701	72.05820459
													VGEAGLLSVDCSEAGPGALGLEAVSDSGTK	3	1	2xTMT6plex [N-Term; K30]; 1xCarbamidomethyl	1.919	1.757	1.828	1.581963301	0	3304.698272	3	1102.237793	0.167617799	92.56239521
													KGEITGEVHMPSGK	1	1	3xTMT6plex [N-Term; K1; K14]; 1xOxidation [M10]	1.382	-	-	1.49807322	1	2173.2254	4	544.0617676	-0.073451884	42.04647858
													VVASGPGLEHGK	5	1	2xTMT6plex [N-Term; K12]	2.485	2.48	2.441	2.457129478	0	1608.947362	3	536.9881592	1.592692914	43.68844243
													IEYNDQNDGSCDVK	5	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	2.174	2.46	2.507	2.305616856	0	2115.006469	3	705.6724243	-1.772751448	48.60423461
													TATPEIVDNK	4	1	2xTMT6plex [N-Term; K10]	1.873	1.976	2.008	1.776098609	0	1545.888844	2	773.4478149	-0.317304306	51.6197022
													ERGDYVLAVK	2	1	2xTMT6plex [N-Term; K10]	1.824	1.665	-	1.834921122	1	1607.952113	3	536.6552124	-0.639821895	50.9008596
													EVGEHLVSIK	6	1	2xTMT6plex [N-Term; K10]	2.285	2.288	2.281	1.4462713	0	1568.941214	3	523.6522827	0.689104552	57.49296827
													EPGEYAVHIMCDDEDIK	3	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M10];	2.09	2.314	-	1.258478165	0	2495.183447	3	832.4002075	1.050779892	63.42146793
													YADEEIPRSPFK	1	1	2xTMT6plex [N-Term; K12]	2.019	-	-	0.894342124	1	1910.042384	3	637.3515625	-1.177947683	60.98059573
													CLATGPGIASTVK	4	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.688	1.4	1.933	1.192548394	0	1733.003162	2	867.0047607	-0.529390624	62.08996279
													TYSVEYLPK	1	1	2xTMT6plex [N-Term; K9]	-	2.082	-	1.24243629	0	1557.892867	3	519.9699097	1.482241787	66.46323426
													SPFEVSVDK	3	1	2xTMT6plex [N-Term; K9]	2.111	2.267	-	1.820714474	0	1465.830266	3	489.2817688	0.332102901	66.87384758
													TGEEVGFVVDAK	2	1	2xTMT6plex [N-Term; K12]	1.238	1.637	-	1.033038974	0	1708.952172	2	854.9788818	-0.986100227	71.55304158
													DLDIIDNYDYSHTVK	2	1	2xTMT6plex [N-Term; K15]	2.432	-	2.238	1.648242354	0	2269.175249	4	568.0487061	-0.993431975	74.6927182
													VVPCLVTPVTGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.946	1.77	1.393376827	0	1526.8926	2	763.9500732	0.176577171	75.84371884
													FNDEHIPESPYLVPVIAPSDDAR	2	1	1xTMT6plex [N-Term]	-	2.296	2.198	1.308291674	0	2810.41984	3	937.4735718	-4.86672766	89.57095683
													GLHVVEVTYDDVPIPNSPFK	4	1	2xTMT6plex [N-Term; K20]	2.499	2.622	2.194	1.575789928	0	2684.469974	3	895.4902954	-5.081427494	91.26175643
													SPFTVGVAAPLDLSK	6	1	2xTMT6plex [N-Term; K15]	2.17	2.184	1.994	1.991249919	0	1960.151935	2	980.5800171	0.419844846	93.22635197
													VTASGPGLSSYGVPASLPVDFAIDAR	2	1	1xTMT6plex [N-Term]	1.717	-	2.185	1.572732449	0	2776.471875	2	1388.738281	-0.932597237	97.27484985
													DGTYAVTYVPLTAGMYTLTMK	2	1	2xTMT6plex [N-Term; K21]	0.885	1.266	-	1.455297589	0	2754.449832	3	918.8189697	-2.714215458	99.30413755
													EEAQVTPDSDK	3	1	2xTMT6plex [N-Term; K11]	2.268	2.246	2.288	2.019783735	0	1676.874316	2	838.9403687	-0.509951941	37.35948707
													YADEEIPR	3	1	1xTMT6plex [N-Term]	2.04	1.452	-	2.299542904	0	1221.631283	2	611.3178711	-2.306442655	41.64870619
													AYGPGLEK	3	1	2xTMT6plex [N-Term; K8]	-	2.079	1.741	1.424981356	0	1292.761459	2	646.8834839	-1.36719466	51.04606805
													EATTDFTVDSRPLTQVGGDHIK	3	1	2xTMT6plex [N-Term; K22]	2.13	1.81	1.437	1.584377646	0	2845.509607	4	712.1320801	-1.095163233	62.52764491
													GLEELVK	2	1	2xTMT6plex [N-Term; K7]	2.435	2.437	-	1.377055049	0	1245.78186	2	623.3937988	-1.235098856	65.9268726
													AGPGTLSVTIEGPSK	5	1	2xTMT6plex [N-Term; K15]	1.632	1.566	1.755	2.207766533	0	1872.084249	2	936.5440063	-1.876456516	66.8515444
													YTPTQQGNMQVLVTYGGDPIPK	1	1	2xTMT6plex [N-Term; K22]; 1xOxidation [M9]	1.673	-	-	1.433159828	0	2881.517001	3	961.1765747	-0.635040122	77.16514165
													SGCIVNNLAEFTVDPK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.844	2.185	2.177	1.346752405	0	2222.189125	2	1111.593262	-4.445207831	87.31887957
													IRETTDFK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.021	1.731151938	1	1467.85715	3	489.9573364	0.208622034	47.84517818
													IFAQDGEGQR	2	1	1xTMT6plex [N-Term]	-	1.943	1.724	1.690370917	0	1349.701094	2	675.3533936	-1.173252828	45.08195107
													YGGPNHIVGSPFK	3	1	2xTMT6plex [N-Term; K13]	1.687	1.87	1.87	1.472145557	0	1831.026675	2	916.0159912	-1.075259117	56.42028681
													YGGELVPHFPAR	1	1	1xTMT6plex [N-Term]	1.366	-	-	0.627934754	0	1571.853178	2	786.4294434	-0.99746673	61.54879979
													VLQSFTVDSSK	2	1	2xTMT6plex [N-Term; K11]	1.508	-	1.155	1.893116236	0	1668.957258	2	834.9827881	0.624283139	67.59206913
													SPFEVQVGPEAGMQK	4	1	2xTMT6plex [N-Term; K15]	1.279	1.37	1.946	1.681334972	0	2062.104332	3	688.0391235	-0.734727388	74.89238861
													SPFEVQVGPEAGMQK	1	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M13]	-	-	2.485	1.499495029	0	2078.099247	3	693.3733521	3.010184596	66.44400842
													GAGIGGLGITVEGPSESK	4	1	2xTMT6plex [N-Term; K18]	2.164	2.176	-	2.085691929	0	2087.174855	2	1044.089722	-1.287870357	74.18471074
													IGNLQTDLSDGLR	4	1	1xTMT6plex [N-Term]	1.037	1.267	1.505	1.7203511	0	1630.896165	2	815.9515381	-0.223980001	75.8197969
													LVSPGSANETSSILVESVTR	5	1	1xTMT6plex [N-Term]	1.371	1.185	1.186	1.836013675	0	2275.234271	2	1138.118774	-1.757476989	81.38537723
													VLSEDEEDVDFDIIHNANDTFTVK	1	1	2xTMT6plex [N-Term; K24]	-	-	1.459	1.146619916	0	3223.604689	3	1075.204102	-2.152010922	92.06335133
													DFLDGVYAFEYYPSTPGR	6	1	1xTMT6plex [N-Term]	1.941	2.016	1.972	2.755040407	0	2326.12293	2	1163.557617	-6.43640747	95.50171737
													VQAQGPGLK	3	1	2xTMT6plex [N-Term; K9]	-	2.201	2.321	1.331827283	0	1355.841106	2	678.423584	-0.895776979	45.61647119
													GQHVTGSPFQFTVGPLGEGGAHK	1	1	2xTMT6plex [N-Term; K23]	-	1.582	-	0.56049943	0	2766.472768	4	692.37323	-0.606482791	66.98287114
													ATQTGDASK	2	1	2xTMT6plex [N-Term; K9]	-	1.9	1.938	1.604263067	0	1336.747265	3	446.2543945	1.021385108	26.21197099
													HVGNQQYNVTYVVK	1	1	2xTMT6plex [N-Term; K14]	-	1.573	-	0.859921515	0	2107.170044	3	703.0637207	3.115377135	58.22846444
													FADEHVPGSPFTVK	3	1	2xTMT6plex [N-Term; K14]	-	2.493	2.301	1.501952767	0	1989.084583	3	663.7002563	0.820710684	68.20302301
													GEAGVPAEFSIWTR	2	1	1xTMT6plex [N-Term]	-	2.182	2.242	1.475288391	0	1748.9169	3	583.6443481	0.909639328	82.27833304
													VAVTEGCQPSR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.262	1.4	2.513276339	0	1432.741579	3	478.2503357	-3.577113973	33.71086019
													AWGPGLHGGIVGR	2	1	1xTMT6plex [N-Term]	-	1.986	1.879	1.737231493	0	1505.853847	3	502.6228333	0.066271942	56.90802044
													VNQPASFAIR	1	1	1xTMT6plex [N-Term]	-	1.337	-	1.223485947	0	1331.7633	2	666.3850708	-0.326956327	56.9580914
													VFGPGIEGK	2	1	2xTMT6plex [N-Term; K9]	-	-	2.33	1.113724589	0	1361.819308	3	454.6114807	0.426685588	67.91966459
													DSPYMAFIHPATGGYNPDLVR	1	1	1xTMT6plex [N-Term]	-	-	2.179	1.176409602	0	2550.26486	3	850.7603149	0.600739258	80.93313768
													DGTVTVR	1	2	1xTMT6plex [N-Term]	-	-	1.803	1.14898622	0	976.5624755	2	488.7846375	-0.488629932	26.54702675
													QMQLENVSVALEFLDRESIK	1	2	2xTMT6plex [N-Term; K20]	-	-	1.33	1.314031005	1	2807.537736	3	936.5158081	-1.732743796	98.24080641

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QMQLENVSVALEFLDRESIK	2	2	2xTMT6plex [N-Term; K20]; 1xOxidation [M2]	1.832	1.953	-	1.619536757	1	2823.532651	3	941.8488159	-0.267858101	96.26721805
													GAGTGGLGLTVEGPCEAK	2	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.872	1.78	-	1.392383099	0	2132.142175	2	1066.573486	-1.162536804	65.76717448
													EAGAGGLSIAVEGPSK	3	1	2xTMT6plex [N-Term; K16]	2.061	1.946	2.096	1.131358385	0	1901.074413	2	951.0393066	-1.617963363	65.74146293
													VDPSHDASK	1	1	2xTMT6plex [N-Term; K9]	2.018	-	-	0.603517711	0	1413.773814	2	707.390625	0.112663001	30.32764912
													HIPGSPFTAK	3	1	2xTMT6plex [N-Term; K10]	1.998	2.128	2.086	2.267942667	0	1512.89387	3	504.9700928	1.226378366	51.71092175
													AIVDGNLK	3	2	2xTMT6plex [N-Term; K8]	2.198	-	2.017	1.528409958	0	1287.803658	3	429.93927	-0.311345137	53.84448249
													DLAEDAPWK	3	2	2xTMT6plex [N-Term; K9]	1.839	1.907	-	1.712048054	0	1502.825515	2	751.9162598	-0.181257736	67.23901884
													LVSIDSK	3	2	2xTMT6plex [N-Term; K7]	2.208	2.285	-	1.32530117	0	1219.76621	2	610.3861084	-1.040742984	57.78674389
													IQQNTFTR	2	2	1xTMT6plex [N-Term]	-	0.78	1.648	1.049788475	0	1236.689801	2	618.8486328	0.151909557	39.81957389
7019383	FLRT3	leucine-rich repeat transmembrane protein FLRT3 precursor	4.006163328	2	3	2	649	72.957	7.64	0.998	0.743	-														
													NSLTAAPVNLPGTNLR	1	1	1xTMT6plex [N-Term]	1.42	-	-	0.695418477	0	1867.059876	3	623.0236816	-1.812672517	72.38049541
													ELHLQENNIR	2	1	1xTMT6plex [N-Term]	0.77	0.743	-	1.472233534	0	1494.822606	3	498.9449158	-1.61357979	40.35170431
16933542	FN1	fibronectin isoform 3 preproprotein	43.77919321	73	433	73	2355	259.063	5.73	0.42	0.407	0.417														
													IAWESPQGQVSR	8	1	1xTMT6plex [N-Term]	0.6	0.614	0.598	2.187379599	0	1586.848821	3	529.6207275	-0.750816837	55.47859626
													GLAFTDVDVDSIK	6	1	2xTMT6plex [N-Term; K13]	0.612	0.626	0.591	1.347369313	0	1838.031151	3	613.3484497	-0.193091889	85.59361414
													QHDMGHMMR	2	1	1xTMT6plex [N-Term]	-	0.717	0.922	1.947751045	0	1371.628146	3	457.8816528	1.647367839	26.09815785
													QHDMGHMMR	6	1	1xTMT6plex [N-Term]; 2xOxidation [M7; M]	-	0.336	0.313	1.47411716	0	1403.617976	3	468.5437622	-0.885069105	18.79775622
													QHDMGHMMR	1	1	1xTMT6plex [N-Term]; 3xOxidation [M4; M7; M8]	0.251	-	-	0.604754627	0	1419.612891	3	473.8756104	-0.431712981	15.66051518
													GFNCESKPEAEETCFDK	8	1	3xTMT6plex [N-Term; K7; K17]; 2xCarbamidomethyl	0.393	0.415	0.388	2.165947914	0	2735.325978	2	1368.169067	1.784030738	53.93048276
													DSMIWDCTCIGAGR	4	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.524	0.516	-	1.751591325	0	1870.84474	2	935.9262695	0.279105203	70.14505341
													DSMIWDCTCIGAGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3];	0.456	-	-	1.803466916	0	1886.839655	2	943.9226685	-0.845321399	61.97578301
													FGFCPMAAHEEICTTNEGVMYR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.506	0.457	0.649	1.69115746	0	2849.271678	3	950.4295044	0.800869082	76.46648225
													FGFCPMAAHEEICTTNEGVMYR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M];	0.348	0.378	0.395	2.236693144	0	2865.266593	3	955.7597046	-0.709365221	69.4654641
													FGFCPMAAHEEICTTNEGVMYR	2	1	1xTMT6plex [N-Term]; 2xOxidation [M6; M20];	0.365	-	0.47	1.953558803	0	2881.261508	3	961.0907593	-1.313125504	64.50432152
													CHEGGQSYK	8	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.315	0.294	0.323	2.084417105	0	1523.767683	3	508.5939941	-0.166690847	22.69147919
													VGDTYERPK	6	1	2xTMT6plex [N-Term; K9]	0.358	0.405	0.39	1.40767312	0	1522.862963	3	508.2921448	-0.710736195	35.24633829
													HYQINQQWER	2	1	1xTMT6plex [N-Term]	0.334	0.369	-	1.587515473	0	1630.828754	3	544.2810669	-0.065393994	40.3118344
													IGDTWSK	1	1	2xTMT6plex [N-Term; K7]	-	0.444	-	1.022621274	0	1264.730158	2	632.8684082	-0.489198226	54.34231959
													GEWTCIAYSQLR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.414	0.432	0.548	1.711862087	0	1712.862757	3	571.6264038	1.110179887	72.85086605
													CDPVDQCQDSETGTFYQIGDSWEK	1	1	2xTMT6plex [N-Term; K24]; 2xCarbamidomethyl	-	0.889	-	1.087190509	0	3323.487293	3	1108.500122	-0.445342176	84.79626866
													AAVYQPQPHPQPPPYGHCVTDSGVVYSVGMQWLK	1	1	2xTMT6plex [N-Term; K34]; 1xCarbamidomethyl	-	-	0.301	1.933734298	0	4252.151246	4	1063.792114	-1.086176969	86.0956282
													IGDQWDK	1	1	2xTMT6plex [N-Term; K7]	-	0.37	-	0.576458275	0	1319.735972	2	660.3720093	0.583309619	57.24251236
													CTCVGNGR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.622	-	-	1.175631642	0	1152.545128	2	576.7764282	0.391850437	21.87703965
													WCGTTQNYDADQK	9	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.375	0.362	0.352	2.628508329	0	2044.97986	2	1022.992126	-1.4103759	51.10144002
													ISCTIANR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.59	0.381	2.098218918	0	1163.640408	2	582.3252563	2.429973463	38.21158669
													QDGHLWCSTTSNYEQDQK	8	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	0.356	0.337	0.373	2.449398756	0	2655.25095	4	664.567749	-0.671660149	49.75789738
													YSFCTDHTVLVQTR	12	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.419	0.408	0.427	2.742456913	0	1955.984662	2	978.4949341	-1.058779231	55.45195323
													TYLGNALVCTCYGGSR	7	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.455	0.541	0.743	3.058398247	0	2020.978197	2	1010.992065	-0.664510199	66.33962421
													HTSVQTTSSGSGPFTDVR	5	1	1xTMT6plex [N-Term]	0.454	0.439	0.53	1.597994685	0	2093.046076	2	1047.026245	-0.412167527	43.74672569
													TFYSCTTEGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.534	1.192250967	0	1450.683395	2	725.8462524	1.2634961	40.39940243
													GNLLQCICTGNGR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.467	0.604	2.026562691	0	1691.851875	3	564.6229248	1.386961883	65.33571259
													ESVPISDTIIPAVPPPTDLR	8	1	1xTMT6plex [N-Term]	0.678	0.321	0.306	1.027998447	0	2346.311793	2	1173.65979	0.217578979	92.53152023
													SEPLIGRK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.454	0.867062569	1	1357.856756	3	453.2906799	0.538057434	41.31661552
													WSRPQAPITGYR	3	1	1xTMT6plex [N-Term]	0.366	0.4	0.45	1.733146787	0	1660.91209	3	554.3084717	-0.739347341	47.87818989
													VPGTSTSATLTGLTR	9	1	1xTMT6plex [N-Term]	0.513	0.397	0.52	1.818881512	0	1690.95368	3	564.3226318	-0.199545494	61.66413231
													DTLTSRPAQGVVTTLENVSPPRR	2	1	1xTMT6plex [N-Term]	-	-	0.885	2.080493689	1	2723.500156	4	681.6296387	-1.25971445	64.31326332
													DTLTSRPAQGVVTTLENVSPPR	4	1	1xTMT6plex [N-Term]	0.626	0.497	0.386	1.466480255	0	2567.399045	3	856.4721069	1.060556124	70.19447121
													LLCQCLGFGSGHFR	8	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.482	0.512	0.428	2.159392595	0	1880.946109	3	627.6538696	0.503085503	70.20525154
													ITGYIIK	1	1	2xTMT6plex [N-Term; K7]	0.442	-	-	1.262320042	0	1265.823331	2	633.4154053	0.160612362	71.92083502
													YEVSVYALK	7	1	2xTMT6plex [N-Term; K9]	0.375	0.395	0.371	1.77125895	0	1529.897952	2	765.4522095	-0.529221368	73.28039063
													TETITGFQVDAVPANGQTPIQR	5	1	1xTMT6plex [N-Term]	0.38	0.31	0.467	2.200432301	0	2572.356846	2	1286.685669	2.805108723	73.5809898
													EINLAPDSSSVVVSGLMVATK	11	1	2xTMT6plex [N-Term; K21]	0.346	0.351	0.352	2.091210365	0	2575.44171	2	1288.224976	0.374421937	95.47830589
													EINLAPDSSSVVVSGLMVATK	9	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M17]	0.377	0.412	0.407	2.162487745	0	2591.436625	3	864.4832153	-0.591372327	92.38174611
													VVTPLSPPTNLHLEANPDTGVLTVSWER	3	1	1xTMT6plex [N-Term]	0.4	0.425	-	1.35504806	0	3271.752407	3	1091.259033	3.099085174	94.12694627
													TEIDKPSQMQVTDVQDNSISVK	2	1	3xTMT6plex [N-Term; K5; K22]	0.582	-	0.496	1.143530965	0	3149.696704	3	1050.569214	-1.148094174	66.93754126
													TEIDKPSQMQVTDVQDNSISVK	3	1	3xTMT6plex [N-Term; K5; K22]; 1xOxidation [M9]	-	0.505	0.707	1.880432248	0	3165.691619	4	792.1773682	-1.256194294	58.50077733
													FLATTPNSLLVSWQPPR	15	1	1xTMT6plex [N-Term]	0.394	0.381	0.334	2.205768347	0	2156.20654	3	719.4078979	1.206001191	96.82434647
													TGLDSPTGIDFSDITANSFTVHWIAPR	10	1	1xTMT6plex [N-Term]	0.454	0.444	0.35	2.465903282	0	3147.594844	3	1049.868774	-0.97653223	97.01677815
													SDTVPSPR	1	1	1xTMT6plex [N-Term]	-	-	0.381	1.162364125	0	1087.594504	2	544.3005981	-0.537094418	29.69553671
													MSESGFK	1	1	2xTMT6plex [N-Term; K7]	-	0.451	-	1.176947594	0	1243.67568	2	622.3413086	-0.273007268	55.02059494
													WCHDNGVNYK	4	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.501	0.537	0.538	1.73861444	0	1750.873545	3	584.2952271	-1.380600937	43.4425262
													FTNIGPDTMR	2	1	1xTMT6plex [N-Term]	-	0.435	-	1.137891293	0	1380.714301	2	690.8597412	-1.517676845	58.28733919
													SYTITGLQPGTDYK	14	1	2xTMT6plex [N-Term; K14]	0.43	0.39	0.584	1.764558196	0	2002.089728	2	1001.548096	-0.406292355	67.43268233
													DLQFVEVTDVK	10	1	2xTMT6plex [N-Term; K11]	0.479	0.36	0.399	1.302868128	0	1750.999122	2	876.0025024	-0.796212385	81.64485872
													VTIMWTPPESAVTGYR	2	1	1xTMT6plex [N-Term]	0.666	2.518	-	1.487790108	0	2037.067664	2	1019.037354	-0.114433484	88.80954976
													VTIMWTPPESAVTGYR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M4]	0.494	0.512	0.429	1.089654565	0	2053.062579	2	1027.035278	0.34168497	80.92048037
													NLQPASEYTVSLVAIK	12	1	2xTMT6plex [N-Term; K16]	0.395	0.376	0.419	2.153799534	0	2191.273841	2	1096.14209	1.397615142	88.80730665
													VTWAPPPSIDLTNFLVR	10	1	1xTMT6plex [N-Term]	0.317	0.299	0.304	2.124388933	0	2155.211291	3	719.0753174	0.049952614	101.0878292
													DLEVVAATPTSLLISWDAPAVTVR	6	1	1xTMT6plex [N-Term]	0.388	0.452	0.439	2.248500586	0	2753.528662	4	689.1365967	-1.490807525	102.3408778
													EDRVPHSR	1	1	1xTMT6plex [N-Term]	-	0.395	-	1.502512097	1	1224.664649	3	408.893219	0.371295458	26.78223654
													QGENGQMMSCTCLGNGK	5	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M]; 2xCarbamidomethyl	0.471	0.512	0.527	2.982596397	0	2346.071077	3	782.6943359	-1.117970178	44.12959313
													DAPIVNK	2	1	2xTMT6plex [N-Term; K7]	0.393	0.387	-	1.024776578	0	1214.750894	3	405.5884399	-0.104857532	46.81470489

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													EYLGAICSCTCFGGQR	3	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.442	0.448	0.592	1.563532591	0	2107.956082	2	1054.480957	-0.685212331	71.54029733
													EESPLLIGQQSTVSDVPR	6	1	1xTMT6plex [N-Term]	0.413	0.455	0.453	2.080502033	0	2184.170942	3	728.7293701	1.197109398	68.3326592
													IYLYTLNDNAR	3	1	1xTMT6plex [N-Term]	0.379	0.367	0.438	1.688850999	0	1584.858323	3	528.9577026	0.146259229	72.08579935
													GNQESPK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.387	1.274066091	0	1217.689022	2	609.3480225	-0.208294663	27.58131471
													RPGGEPSPEGTTGQSYNQYSQR	10	1	1xTMT6plex [N-Term]	0.501	0.362	0.361	2.294805765	0	2625.249086	3	875.7526855	-2.126483694	33.14773304
													CDPHEATCYDDGK	9	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	0.463	0.468	0.491	1.917866349	0	2025.904647	2	1013.454651	-1.294148859	33.92359429
													SEPLIGR	1	1	1xTMT6plex [N-Term]	-	0.398	-	1.649071693	0	1000.598861	2	500.8040466	1.95449125	39.46370379
													TYHVGEQWQK	12	1	2xTMT6plex [N-Term; K10]	0.455	0.455	0.452	1.831988454	0	1733.937525	3	578.6502075	-0.839702345	47.91481511
													ITYGETGGNSPVQEFTVPGSK	4	1	2xTMT6plex [N-Term; K21]	0.359	0.373	-	1.598296881	0	2626.376467	2	1313.691772	-0.075814769	78.37812606
													WLPSSSPVTGYR	3	1	1xTMT6plex [N-Term]	0.311	0.367	-	0.939510763	0	1578.847758	3	526.9541626	0.111690926	69.71383569
													SSPVVIDASTAIDAPSNLR	9	1	1xTMT6plex [N-Term]	0.478	0.447	0.56	1.900324464	0	2142.160378	3	714.7247314	-0.34388838	75.89840824
													QYNVGPSVSK	7	1	2xTMT6plex [N-Term; K10]	0.296	0.304	0.296	1.796769738	0	1536.878613	2	768.942688	-0.334530934	49.2237776
													GATYNIIVEALKDQQR	4	1	2xTMT6plex [N-Term; K12]	1.801	-	1.624	1.828828931	1	2277.296701	3	759.7704468	0.037725445	88.99495464
													FTQVTPTSLSAQWTPPNVQLTGYR	9	1	1xTMT6plex [N-Term]	0.24	0.285	0.243	2.725769758	0	2921.535872	3	974.5177612	0.978259905	93.89222915
													EATIPGHLNSYTIK	6	1	2xTMT6plex [N-Term; K14]	0.304	0.391	-	2.334533691	0	2002.137347	2	1001.571167	-1.143665607	60.72779112
													VDVIPVNLPGEHGQR	11	1	1xTMT6plex [N-Term]	0.573	0.437	0.421	2.000026941	0	1859.033661	3	620.348877	-0.851899919	69.14382963
													GATYNIIVEALK	9	1	2xTMT6plex [N-Term; K12]	0.288	0.297	0.297	2.760567904	0	1750.051492	2	875.5256958	-4.215532211	93.97323426
													NTFAEVTGLSPGVTYYFK	11	1	2xTMT6plex [N-Term; K18]	0.332	0.334	0.327	3.199850559	0	2452.316434	2	1226.660278	-1.28592678	95.44379823
													NSITLTNLTPGTEYVVSIVALNGR	11	1	1xTMT6plex [N-Term]	0.459	0.433	0.484	3.017268896	0	2761.529724	3	921.182373	1.02894805	99.57079228
													LGVRPSQGGEAPR	8	1	1xTMT6plex [N-Term]	0.396	0.39	0.412	1.555055618	0	1552.875704	3	518.2963257	-0.824572897	30.04035898
													STTPDITGYR	2	1	1xTMT6plex [N-Term]	-	0.622	-	1.130661726	0	1339.705511	2	670.3560181	-0.560703215	44.77786125
													HHPEHFSGRPR	1	1	1xTMT6plex [N-Term]	-	-	0.262	1.275693655	0	1585.829757	3	529.2817993	0.685766687	17.21584762
20149680	FN3KRP	ketosamine-3-kinase	2.588996764	1	1	1	309	34.39	7.33	-	2.081	-														
													SYDTDQGR	1	1	1xTMT6plex [N-Term]	-	2.081	-	0.601440549	0	1170.558847	2	585.78302	-0.070992533	24.3129142
4503771	FNTA	protein farnesyltransferase/geranylgeranyltransferase type-1	8.179419525	3	6	3	379	44.381	5.08	1.149	1.537	1.346														
													HSTENDSPTNVQQ	3	1	1xTMT6plex [N-Term]	1.607	1.537	1.463	1.358452916	0	1685.792822	2	843.4008179	0.911863052	22.4558015
													ALELCEILAK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.924	-	-	2.14373827	0	1617.964986	2	809.486145	0.016977538	93.02240324
													QWVIQEFK	2	1	2xTMT6plex [N-Term; K8]	1.188	-	1.308	1.910978436	0	1535.898621	2	768.4552612	3.011345199	81.37776848
256000767	FRAS1	extracellular matrix protein FRAS1 isoform 1 precursor	0.224327019	1	1	1	4012	443.35	5.59	-	1.891	-														
													TPGSCHHEK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.891	-	0.947210789	0	1510.783668	4	378.451416	0.110262312	17.91840022
122056683	FREM1	FRAS1-related extracellular matrix protein 1 isoform 1 precursor	0.36714089	1	1	1	2179	244	5.9	0.872	-	-														
													FIISNGLR	1	1	1xTMT6plex [N-Term]	0.872	-	-	1.133577228	0	1148.698909	2	574.855896	4.880332124	36.34305605
4507115	FSCN1	fascin	44.01622718	17	54	17	493	54.496	7.24	2.378	2.575	2.524														
													VNASASSLK	2	1	2xTMT6plex [N-Term; K9]	-	2.218	2.369	1.036991119	0	1334.804386	3	445.605835	-1.074582315	45.19950736
													LVARPEPATGYTLEFR	4	1	1xTMT6plex [N-Term]	1.749	2.829	2.296	1.058413863	0	2049.133041	3	683.7153931	-0.690531436	67.05411849
													GDHAGVLK	4	1	2xTMT6plex [N-Term; K8]	3.033	3.125	2.879	1.637538195	0	1254.757042	3	418.924408	1.298001843	33.72603962
													YAHLSARPADEIAVDR	1	1	1xTMT6plex [N-Term]	1.966	-	-	1.396498561	0	2013.071503	4	504.0231323	-0.39933163	45.79960574
													YLTAEAFGFK	4	1	2xTMT6plex [N-Term; K10]	2.411	2.447	2.373	1.609767556	0	1604.908851	2	802.9584961	0.538695702	87.2606499
													DVPWGVDSLITLAFQDQR	1	1	1xTMT6plex [N-Term]	2.575	-	-	0.69070226	0	2289.207662	3	763.7399292	-1.060608168	103.0148037
													GEHGFIGCR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.588	1.659	2.617	2.021484852	0	1261.630906	3	421.2154846	0.788033502	33.65474205
													EVPGPDCR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	3.286	3.136	1.496134639	0	1158.577474	2	579.7929077	0.919195921	31.70134294
													NASCYFDIEWR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.583	-	-	0.262307912	0	1689.789257	2	845.395813	-2.904482565	79.18349077
													DELFALEQSCAQVVLQAANER	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.176	1.059	2.118	1.648880243	0	2620.323831	3	874.1110229	-2.028582224	95.8916351
													FLIVAHDDGR	6	1	1xTMT6plex [N-Term]	2.227	2.413	2.369	1.642538548	0	1371.758215	3	457.923645	-1.336388138	56.45819472
													LSCFAQTVSPAEK	8	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	2.415	2.324	2.258	1.729594111	0	1896.030105	2	948.5158081	-3.040911137	66.75780926
													QIWTLEQPPDEAGSAVCLR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.529	2.127	-	1.679800868	0	2470.259774	2	1235.630249	-2.652762755	84.17626352
													YSVQTADHR	2	1	1xTMT6plex [N-Term]	2.489	-	2.522	1.339879632	0	1305.674879	3	435.8961792	-0.685440425	24.68134872
													YLAPSGPSGTLK	5	1	2xTMT6plex [N-Term; K12]	2.422	2.71	2.464	1.277781606	0	1648.967428	2	824.9852295	-2.574996663	60.87382094
													SSYDVFQLEFNDGAYNIK	4	1	2xTMT6plex [N-Term; K18]	1.818	3.07	2.026	2.362451553	0	2568.30224	4	642.8291016	-2.983897254	93.46214328
													VTGTLDANR	1	1	1xTMT6plex [N-Term]	-	2.056	-	0.791175544	0	1175.658167	2	588.3328247	0.175343538	36.08556029
66528995	FSHB	follitropin subunit beta precursor	8.527131783	1	1	1	129	14.69	7.06	-	-	2.209														
													CDSDSTDCTVR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	2.209	0.933374941	0	1544.651837	2	772.8288574	-0.90581982	27.21449183
970414523	FSIP2	fibrous sheath-interacting protein 2	0.217170986	1	2	1	6907	780.119	6.71	0.828	1.823	-														
													LLMIAENVLTEISIK	2	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M3]	0.828	1.823	-	0.865825713	0	2161.291799	3	721.1014404	-0.939785613	100.3169987
7242222	FST	follistatin isoform FST344 precursor	34.59302326	10	41	10	344	37.981	5.67	1.354	1.39	1.312														
													SCEDIQCTGGK	6	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	1.305	1.383	1.25	2.078951359	0	1712.834777	2	856.9204712	-0.648554783	36.33877565
													SIGLAYEGK	3	1	2xTMT6plex [N-Term; K9]	-	1.497	1.384	1.128255606	0	1395.824787	2	698.4157104	-0.460517372	55.74531964
													EAACSSGVLLEVK	5	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.519	1.503	-	1.720197797	0	1821.019206	3	607.6771851	-1.210472801	67.52677034
													ETCENVDCGPGK	10	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	1.21	1.243	1.272	2.055925369	0	1823.866805	3	608.6268311	-0.474303241	35.15336778
													EQPELEVQYQGR	3	1	1xTMT6plex [N-Term]	1.321	1.315	1.323	1.976340055	0	1704.875429	2	852.9399414	-1.655949432	49.28343591
													CQVLYK	1	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	-	1.254	-	0.993187666	0	1268.7437	2	634.8759766	0.769331899	49.41601777
													NECALLK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	1.837	-	-	1.278629303	0	1305.760079	2	653.3828735	-1.231665536	52.21325761
													LSTSWTEEDVNDNTLFK	5	1	2xTMT6plex [N-Term; K17]	1.388	0.976	1.289	1.4187814	0	2457.254955	4	615.0667725	-3.945624864	89.32146089
													SDEPVCASDNATYASECAMK	3	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M19];	1.757	1.38	1.582	1.505213499	0	2680.194089	3	894.0708008	1.403052774	52.8064609
													CSLCDELCPDSK	4	1	2xTMT6plex [N-Term; K12]; 3xCarbamidomethyl	1.852	1.901	1.796	1.320563197	0	1941.912041	2	971.4606323	1.002691366	58.9810764
5901956	FSTL1	follistatin-related protein 1 precursor	19.80519481	7	22	7	308	34.963	5.52	0.379	0.428	0.374														
													GAQTQTEEEMTR	11	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	0.351	0.339	0.366	1.489866257	0	1625.76383	3	542.5931396	0.636799327	20.73081058
													DACLTGSK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.436	-	0.404	1.223472714	0	1309.718608	2	655.362854	-0.13468709	39.45226933
													HQETAEK	3	1	2xTMT6plex [N-Term; K7]	-	0.408	0.313	1.788247466	0	1300.726136	3	434.2466125	-0.654475598	20.49582579
													IQVDYDGHCK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	0.545	-	1.102578998	0	1692.877962	3	564.9631958	-1.729402664	48.58947889
													LSFQEFLK	2	1	2xTMT6plex [N-Term; K8]	-	0.392	0.404	1.288751483	0	1469.876823	2	735.4423218	0.370285917	93.20220855
													ECAVTEK	2	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	0.414	0.404	1.980226755	0	1294.707709	2	647.8581543	1.022017357	33.83828709

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													RPVCGSNGK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	0.41	0.51277107	0	1432.809488	3	478.2744751	-0.430215626	27.31856882
5031701	FSTL3	follistatin-related protein 3 precursor	19.77186312	3	4	3	263	27.645	6.77	0.928	0.821	0.671														
													SCEHVVCPRPQSCVVDQTGSAHCVVCR	1	1	1xTMT6plex [N-Term]; 5xCarbamidomethyl	0.928	-	-	0.76969564	0	3413.559104	5	683.5169678	-0.987623975	39.54661071
													DSCDGVECGPGK	2	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	-	0.821	-	1.223924756	0	1738.814041	3	580.2758789	-0.55077842	45.19017138
													CECAPDCSGLPAR	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	-	0.671	0.512414575	0	1721.760677	2	861.3839111	-0.076093255	43.41300668
56682959	FTH1	ferritin heavy chain	24.59016393	4	16	4	183	21.212	5.55	0.724	0.563	0.494														
													IFLQDIK	1	1	2xTMT6plex [N-Term; K7]	0.707	-	-	1.274363518	0	1334.844794	2	667.9259644	-0.10654352	80.8793686
													MGAPESGLAEYLFDK	5	1	2xTMT6plex [N-Term; K15]	0.508	0.52	0.486	1.958571792	0	2086.093099	3	696.0336914	-3.153297067	95.53915483
													MGAPESGLAEYLFDK	2	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M1]	0.824	-	0.423	1.998788357	0	2102.088014	3	701.3686523	1.612559145	91.89581835
													HTLGDSDNES	2	1	1xTMT6plex [N-Term]	-	0.285	0.295	0.978440285	0	1303.596354	2	652.3019409	0.192610187	26.63362628
													QNYHQDSEAAINR	6	1	1xTMT6plex [N-Term]	0.772	0.797	0.781	1.858449221	0	1774.86699	2	887.9367676	-0.412078062	29.1905989
20149498	FTL	ferritin light chain	25.71428571	4	13	4	175	20.007	5.78	0.365	0.466	0.387														
													LGGPEAGLGEYLFER	5	1	1xTMT6plex [N-Term]	0.326	0.405	0.314	2.150721788	0	1836.96933	3	612.994812	0.301063903	89.99424501
													LNQALLDLHALGSAR	6	1	1xTMT6plex [N-Term]	0.422	0.547	0.428	3.065046549	0	1821.054397	3	607.690918	2.088831754	84.43472247
													KPAEDEWGK	1	1	3xTMT6plex [N-Term; K1; K9]	-	0.26	-	0.955033123	0	1746.999346	3	583.0046997	0.114213605	48.47319285
													ELAEEK	1	1	2xTMT6plex [N-Term; K6]	-	0.937	-	1.364957809	0	1176.687625	2	588.8480835	1.07539347	36.39704
17402900	FUBP1	far upstream element-binding protein 1 isoform 2	4.658385093	3	3	2	644	67.518	7.61	1.398	-	1.018														
													RPLEDGDQPDAK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.018	2.10940218	0	1798.969948	3	600.3284302	0.43901086	35.11927905
													NPPPNADPNMK	1	1	2xTMT6plex [N-Term; K11]	1.398	-	-	1.454253435	0	1652.883047	3	551.6327515	0.39581417	41.83605847
													AGLVIGK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.392	1.8557868	0	1115.755251	2	558.3813477	0.150187507	57.69232797
4826734	FUS	RNA-binding protein FUS isoform 1	4.182509506	2	3	1	526	53.394	9.36	0.669	0.719	-														
													GEATVSFDDPPSAK	1	2	2xTMT6plex [N-Term; K14]	-	-	0.815	0.810583293	0	1878.984929	2	939.9960938	-0.00955303	60.56186228
													EFSGNPIK	2	1	2xTMT6plex [N-Term; K8]	0.669	0.719	-	1.320381999	0	1349.782922	2	675.3966675	2.323366881	55.89698361
5031703	G3BP1	ras GTPase-activating protein-binding protein 1	3.64806867	1	3	1	466	52.132	5.52	0.707	0.772	0.709														
													LPNFGFVVFDDSEPVQK	3	1	2xTMT6plex [N-Term; K17]	0.707	0.772	0.709	2.768426895	0	2396.290219	3	799.4347534	-0.21357851	99.6731892
109389365	G6PD	glucose-6-phosphate 1-dehydrogenase isoform a	23.30275229	10	25	10	545	62.429	8.05	1.902	1.909	2.039														
													NSYVAGQYDDAASYQR	3	1	1xTMT6plex [N-Term]	2.196	1.946	2.327	1.146214485	0	2036.951113	2	1018.979126	-0.067751687	45.64028497
													VGFQYEGTYK	1	1	2xTMT6plex [N-Term; K10]	1.457	-	-	0.667740643	0	1649.893929	2	825.4506226	0.02383013	59.07440228
													LQFHDVAGDIFHQQCK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.693	-	1.897	1.627614617	0	2401.248705	4	601.0670776	-0.926515075	70.70208795
													LFYLALPPTVYEAVTK	6	1	2xTMT6plex [N-Term; K16]	1.911	1.93	1.934	1.677358031	0	2283.340464	2	1142.172119	-1.533669116	103.7488858
													EPFGTEGR	1	1	1xTMT6plex [N-Term]	-	-	2.03	0.95416379	0	1121.578854	2	561.293335	0.481064593	36.79395001
													DNIACVILTFK	5	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.433	2.318	2.348	1.971865058	0	1752.012999	3	584.6757813	-0.118851858	97.35559948
													VQPNEAVYTK	3	1	2xTMT6plex [N-Term; K10]	1.823	-	2.041	1.718137503	0	1606.920478	3	536.3112183	-0.856753562	50.94525718
													DGLLPENTFIVGYAR	2	1	1xTMT6plex [N-Term]	1.388	2.205	-	1.133259654	0	1894.027179	2	947.5145264	-2.852564992	88.51759439
													GGYFDEFGIIR	1	1	1xTMT6plex [N-Term]	-	1.529	-	1.040323973	0	1502.784095	2	751.8943481	-1.780489257	83.63216919
													NIHESCMSQIGWNR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1	-	1.484948158	0	1960.931915	3	654.3167725	1.96268049	49.69454344
119393891	GAA	lysosomal alpha-glucosidase preproprotein	3.151260504	2	4	2	952	105.257	6	1.115	1.129	0.976														
													VTSEGAGLQLQK	3	1	2xTMT6plex [N-Term; K12]	1.115	1.129	-	1.909421563	0	1688.994706	2	845.0029297	2.295439404	59.62344038
													AGYIIPLQGPGLTTTESR	1	1	1xTMT6plex [N-Term]	-	-	0.976	1.053059816	0	2103.164735	3	701.7263794	-0.071314626	85.24718165
4758412	GALNT2	polypeptide N-acetylgalactosaminyltransferase 2 precursor	5.604203152	4	6	4	571	64.691	8.35	0.939	0.818	0.862														
													SPPHLIK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.862	1.40209651	0	1249.803264	3	417.2737427	2.72913141	49.53614727
													QGNPVAPIK	2	1	2xTMT6plex [N-Term; K9]	0.82	0.819	-	1.315107107	0	1381.856756	2	691.4321289	0.163007127	48.90508005
													FYFEELGK	2	1	2xTMT6plex [N-Term; K8]	1.467	1.655	-	0.74373734	0	1490.829538	2	745.9187012	0.394152205	86.44226073
													GADAAQAK	1	1	2xTMT6plex [N-Term; K8]	-	0.646	-	1.18771708	0	1189.694107	2	595.3510742	0.642583245	37.04994447
153266878	GALNT3	polypeptide N-acetylgalactosaminyltransferase 3	1.105845182	1	2	1	633	72.564	7.99	0.656	0.618	-														
													DETYPIK	2	1	2xTMT6plex [N-Term; K7]	0.656	0.618	-	1.518851638	0	1323.756039	2	662.3812866	-0.560690785	50.92822365
88900491	GANAB	neutral alpha-glucosidase AB isoform 3 precursor	12.42236025	11	20	11	966	109.369	6.24	0.821	0.755	0.843														
													FRIDELEPR	1	1	1xTMT6plex [N-Term]	-	0.757	-	1.124718785	1	1403.78443	3	468.5999451	0.607091132	63.83759924
													VLLVLELQGLQK	3	1	2xTMT6plex [N-Term; K12]	0.695	0.727	0.745	1.847170353	0	1811.177027	3	604.3971558	-0.062497946	101.1442222
													TCEESSFCK	1	1	2xTMT6plex [N-Term; K9]; 2xCarbamidomethyl	1.182	-	-	1.136545897	0	1605.7653	3	535.9262695	-0.650665605	43.20562213
													SGGMERPFVLAR	1	1	1xTMT6plex [N-Term]	-	-	1.107	1.393656373	0	1548.851798	3	516.9556274	0.343037481	54.0083853
													DPAEGDGAQPEETPR	4	1	1xTMT6plex [N-Term]	0.684	0.783	0.798	1.502883554	0	1797.845251	3	599.9537964	0.881366266	31.23336845
													SLLLSVNAR	2	1	1xTMT6plex [N-Term]	-	0.678	1.051	2.659678698	0	1201.746588	2	601.3771973	0.441158939	60.69435974
													NPEPELLVR	2	1	1xTMT6plex [N-Term]	0.748	-	0.778	1.380314589	0	1295.752067	2	648.3792114	-0.710613134	53.51586169
													DGDKPEETQGK	3	1	3xTMT6plex [N-Term; K4; K11]	0.777	0.761	0.764	0.845018923	0	1891.037582	3	631.0175781	0.316728237	35.47548054
													AFFAGSQR	1	1	1xTMT6plex [N-Term]	-	0.919	-	0.833451152	0	1112.605009	2	556.8067627	1.114313359	55.51673213
													FGAVWTGDNTAEWDHLK	1	1	2xTMT6plex [N-Term; K17]	-	-	0.717	1.706231952	0	2405.229016	3	802.4144897	-0.041385547	87.07585773
													GLLEFEHQR	1	1	1xTMT6plex [N-Term]	-	-	0.679	1.324276209	0	1357.742565	3	453.2526855	0.691177142	54.09487556
7669492	GAPDH	glyceraldehyde-3-phosphate dehydrogenase isoform 1	58.50746269	15	92	15	335	36.03	8.46	2.071	2.182	2.264														
													VGVNGFGR	1	1	1xTMT6plex [N-Term]	-	-	3.002	1.102426171	0	1034.594444	2	517.8005981	-0.507107824	45.59516857
													AAFNSGK	1	1	2xTMT6plex [N-Term; K7]	-	2.62	-	1.362626195	0	1152.677729	2	576.8418579	-1.11900287	37.311042
													TVDGPSGK	3	1	2xTMT6plex [N-Term; K8]	2.595	2.792	2.649	1.076419711	0	1218.709423	2	609.8583374	-0.020386576	31.76838463
													LISWYDNEFGYSNR	1	1	1xTMT6plex [N-Term]	-	-	2.104	0.935198426	0	1992.965307	2	996.9828491	-3.454810673	90.75227826
													VIHDNFGIVEGLMTTVHAITATQK	7	1	2xTMT6plex [N-Term; K24]	2.209	2.158	2.201	1.828549862	0	3053.685797	3	1018.566528	-0.25059522	99.43256241
													VIHDNFGIVEGLMTTVHAITATQK	5	1	2xTMT6plex [N-Term; K24]; 1xOxidation [M13]	1.516	1.528	1.363	1.589438438	0	3069.680712	4	768.1765747	1.22390518	93.87025749
													VVDLMAHMASK	3	1	2xTMT6plex [N-Term; K11]	2.402	2.4	2.484	1.364109755	0	1659.93264	3	553.9821777	-0.397441956	74.81782943
													VVDLMAHMASK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M5]	-	-	2.274	0.741554022	0	1675.927555	3	559.3141479	0.20043686	59.11992862
													VIPELNGK	2	1	2xTMT6plex [N-Term; K8]	2.864	-	3.01	0.443407863	0	1327.834958	2	664.4211426	0.038149508	66.759823
													VIISAPSADAPMFVMGVNHEK	4	1	2xTMT6plex [N-Term; K21]	2.159	1.999	2.25	2.414613962	0	2671.435185	3	891.1500244	0.125341685	88.88940247
													VIISAPSADAPMFVMGVNHEK	1	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M12]	1.045	-	-	1.465965152	0	2687.4301	3	896.4797363	-2.025881762	84.07028535
													WGDAGAEYVVESTGVFTTMEK	13	1	2xTMT6plex [N-Term; K21]	2.517	2.606	2.653	3.999054909	0	2735.363854	2	1368.184814	-0.548930172	96.62092079
													WGDAGAEYVVESTGVFTTMEK	2	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M19]	1.065	-	1.368	1.397842407	0	2751.358769	3	917.7942505	3.427181126	92.76174602

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LVINGNPITIFQERDPSK	4	1	2xTMT6plex [N-Term; K18]	2.61	1.564	2.884	1.35101223	1	2499.433529	2	1250.223633	2.584623646	90.89423223
													AGAHLQGGAK	10	1	2xTMT6plex [N-Term; K10]	2.366	2.468	2.494	1.732672453	0	1367.815954	2	684.4106445	-1.419282685	26.41545189
													GALQNIIPASTGAAK	14	1	2xTMT6plex [N-Term; K15]	1.572	1.603	1.69	2.170163393	0	1870.116218	2	935.5614014	-0.369873069	72.99248082
													VPTANVSVVDLTCR	7	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.031	1.896	1.774	1.954919219	0	1759.957385	3	587.324646	1.136140169	73.13116216
													IISNASCTTNCLAPLAK	11	1	2xTMT6plex [N-Term; K17]; 2xCarbamidomethyl	2.257	2.197	2.546	1.630836844	0	2292.245594	3	764.7523193	-1.391413815	77.97208556
													LVINGNPITIFQER	2	1	1xTMT6plex [N-Term]	-	2.071	-	1.607799888	0	1843.063899	2	922.036377	0.856425136	94.49978814
207448705	GARNL3	GTPase-activating Rap/Ran-GAP domain-like protein 3 isoform a	2.171767029	1	2	1	1013	112.782	7.65	0.703	-	0.651														
													HYGSVELLISSDADGAIQRAGR	2	1	1xTMT6plex [N-Term]	0.703	-	0.651	1.519566417	1	2544.336779	4	636.8410034	2.124318573	100.7882941
116805340	GARS	glycine--tRNA ligase isoform 1 precursor	17.32070365	10	18	10	739	83.113	7.03	1.523	1.476	1.537														
													TSGHVDK	1	1	2xTMT6plex [N-Term; K7]	1.089	-	-	0.881132722	0	1201.694107	2	601.3512573	0.940912026	22.03312597
													APQVDVDK	2	1	2xTMT6plex [N-Term; K8]	1.345	-	1.44	1.956838131	0	1329.777837	2	665.3920288	-0.794044526	48.01733616
													TVNVVQFEPSK	2	1	2xTMT6plex [N-Term; K11]	1.989	-	1.705	1.029568911	0	1705.988892	3	569.3347778	0.520581405	68.24604964
													VDDSSGSIGR	3	1	1xTMT6plex [N-Term]	1.855	1.52	1.618	1.149701476	0	1221.62726	2	611.3162231	-1.711422956	40.31346137
													AEISELPSIVQDLANGNITWADVEAR	1	1	1xTMT6plex [N-Term]	1.862	-	-	1.638391972	0	3040.578859	3	1014.199951	2.11833862	103.2465854
													ELSEALTR	1	1	1xTMT6plex [N-Term]	1.533	-	-	1.703186154	0	1147.652019	2	574.3291626	-0.845269012	49.56468822
													LGDAVEQGVINNTVLGYFIGR	2	1	1xTMT6plex [N-Term]	1.724	1.507	-	2.542148352	0	2464.339739	3	822.118042	-0.067475858	102.2415993
													TLYVEEVVPNVIEPSFGLGR	4	1	1xTMT6plex [N-Term]	1.153	1.103	1.165	1.563646913	0	2447.338342	2	1224.171631	-0.9630631	98.37773108
													ELALQPK	1	1	2xTMT6plex [N-Term; K7]	-	1.775	-	1.345196843	0	1256.797844	2	628.9034424	1.403579449	59.69545567
													GEFTIETEGK	1	1	2xTMT6plex [N-Term; K10]	-	1.349	-	1.309479475	0	1568.857209	3	523.6243896	0.896452083	58.40367202
209869993	GART	trifunctional purine biosynthetic protein adenosine-3 isoform 1	13.56435644	11	22	11	1010	107.699	6.7	1.453	1.694	2.026														
													VDLGGFAGLFDLK	3	1	2xTMT6plex [N-Term; K13]	2.148	2.644	-	1.836454153	0	1810.051492	3	604.0223389	0.536433116	102.525289
													AFAHITGGGLLENIPR	1	1	1xTMT6plex [N-Term]	1.211	-	-	2.066936493	0	1895.070047	3	632.3609009	-1.001257597	78.84827775
													LDLSVTEAVVAGIAK	2	1	2xTMT6plex [N-Term; K15]	2.248	2.011	-	2.383620262	0	1944.178149	3	648.7310181	0.180862653	98.67073619
													GVEITGFPEAQALGLEVFHAGTALK	3	1	2xTMT6plex [N-Term; K25]	1.808	1.709	1.465	2.707206488	0	3013.676278	3	1005.229614	-0.659860708	99.19221542
													VLAVTAIR	1	1	1xTMT6plex [N-Term]	0.764	-	-	0.604417264	0	1071.708746	2	536.3577881	-0.416361373	64.36624061
													AIAFLQQPR	1	1	1xTMT6plex [N-Term]	-	-	2.559	1.674542308	0	1272.762572	2	636.8851929	0.421871447	67.30942289
													VLIIGSGGR	1	1	1xTMT6plex [N-Term]	-	1.405	-	0.889276624	0	1100.698909	2	550.8536987	1.100665157	58.45704468
													ENLISALEEAK	2	1	2xTMT6plex [N-Term; K11]	-	1.366	-	0.978546083	0	1674.967822	3	558.9942627	0.246288873	90.16831807
													GYPGDYTK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.9	1.600348949	0	1358.735638	2	679.8720703	0.90249712	45.62010969
													HGIPTAQWK	1	1	2xTMT6plex [N-Term; K9]	-	1.744	-	1.955990195	0	1495.878554	3	499.2971191	-1.169766169	50.51346252
													FGDPECQVILPLLK	6	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.993	2.173	2.015	2.393946171	0	2087.197505	3	696.4036865	-0.478421273	98.49591195
4557617	GAS6	growth arrest-specific protein 6 precursor	15.78171091	8	10	8	678	74.877	5.69	0.819	1.011	0.845														
													IAVAGDLFQPER	1	1	1xTMT6plex [N-Term]	-	1.139	-	1.293754697	0	1544.863408	2	772.9348755	-0.604521689	78.50591706
													QLVVLAVEHTALALMEIK	1	1	2xTMT6plex [N-Term; K18]	0.385	-	-	1.267426968	0	2436.466409	3	812.828186	1.475840363	107.4572168
													DGEATLEVDGTR	2	1	1xTMT6plex [N-Term]	-	0.808	0.977	1.794266105	0	1491.748832	2	746.3794556	1.878722981	42.44071357
													DVDECLQGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.87	0.843685925	0	1320.641531	2	660.8244019	-0.002619229	37.57671774
													LLDLDEAAYK	2	1	2xTMT6plex [N-Term; K10]	0.782	-	0.811	2.292710066	0	1608.924895	2	804.9674683	1.718522379	82.51616442
													SPVLTFAGGLPDVPVTSAPVTAFYR	1	1	1xTMT6plex [N-Term]	1.186	-	-	1.361359477	0	2791.523183	3	931.1790161	-0.246270624	100.3117641
													LELQLR	1	1	1xTMT6plex [N-Term]	-	-	0.947	1.197258592	0	1000.635246	2	500.8216553	0.786926982	65.80023338
													AVPLSVALVDYHSTK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.69	2.574793577	0	2058.199947	3	686.7388306	0.967383767	79.81084788
189458812	GBE1	1,4-alpha-glucan-branching enzyme	2.136752137	2	4	2	702	80.409	6.32	1.17	2.245	1.271														
													VGTALPGK	3	1	2xTMT6plex [N-Term; K8]	1.17	1.157	1.271	1.267275214	0	1200.771629	2	600.8900146	0.935454209	55.28050177
													SGEILYR	1	1	1xTMT6plex [N-Term]	-	2.754	-	1.41304934	0	1066.609426	2	533.8085938	0.454936913	49.80426427
166706903	GBP1	guanylate-binding protein 1	6.25	4	7	4	592	67.888	6.32	0.572	0.576	0.569														
													SYQEHLK	1	1	2xTMT6plex [N-Term; K7]	-	0.565	-	0.780473053	0	1362.778171	3	454.9310913	0.403151293	43.75525986
													DVDHLFQK	2	1	2xTMT6plex [N-Term; K8]	-	0.59	0.547	1.217900991	0	1459.830935	3	487.2823792	1.129665862	63.9570178
													GIQAEEILQTYLK	2	1	2xTMT6plex [N-Term; K13]	0.61	0.694	-	1.328946352	0	1964.146849	3	655.3840942	-4.643102505	95.05881506
													AESAQASAK	2	1	2xTMT6plex [N-Term; K9]	0.518	-	0.628	2.052503109	0	1320.75235	2	660.8797607	-0.079913259	25.96717087
324021745	GC	vitamin D-binding protein isoform 3 precursor	4.462474645	1	2	1	493	55.041	5.63	1.062	0.529	-														
													VPTADLEDVLPLAEDITNILSK	2	1	2xTMT6plex [N-Term; K22]	1.062	0.529	-	1.852332473	0	2824.595962	3	942.2041626	0.698302694	111.3010429
4557625	GCLC	glutamate--cysteine ligase catalytic subunit isoform a	2.982731554	2	3	2	637	72.719	6.09	2.684	2.507	2.893														
													VVINVPIFK	2	1	2xTMT6plex [N-Term; K9]	2.684	-	2.893	0.953701079	0	1486.976143	2	743.989502	-2.969451643	95.29586191
													EFIANHPDYK	1	1	2xTMT6plex [N-Term; K10]	-	2.507	-	1.222132683	0	1691.915727	3	564.6447754	2.391184035	49.37122474
4504011	GCLM	glutamate--cysteine ligase regulatory subunit isoform 1	5.839416058	1	1	1	274	30.708	6.02	-	2.219	-														
													EFPDVLECTVSHAVEK	1	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	-	2.219	-	1.631702185	0	2318.210254	3	773.4090576	1.020343844	88.20150809
54607053	GCN1	eIF-2-alpha kinase activator GCN1	0.711344066	1	1	1	2671	292.524	7.43	0.8	-	-														
													VLPLEALVTDAGEVTEAGK	1	1	2xTMT6plex [N-Term; K19]	0.8	-	-	0.841300011	0	2370.353213	3	790.7871704	-2.638813278	101.5309084
335335014	GDA	guanine deaminase isoform a	19.95753715	6	12	6	471	52.804	5.85	0.568	0.467	0.512														
													DHLLGVSDSGK	2	1	2xTMT6plex [N-Term; K11]	0.603	-	0.601	1.509961843	0	1585.894992	3	529.3027954	-0.73069121	47.63513294
													ETTEESIK	3	1	2xTMT6plex [N-Term; K8]	0.541	0.547	0.459	1.922805786	0	1394.777896	2	697.8909912	-2.287524152	36.98738116
													LATLGGSQALGLDGEIGNFEVGK	3	1	2xTMT6plex [N-Term; K23]	0.483	0.366	0.405	2.388953447	0	2704.492166	3	902.1680908	-0.904653781	95.30915968
													EFDAILINPK	1	1	2xTMT6plex [N-Term; K10]	-	0.441	-	1.401572704	0	1617.961615	3	539.9918213	-0.435240741	85.86935471
													FSLSCSETLMGELGNIAK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	0.602	-	-	1.104196787	0	2415.266389	3	805.7600708	-0.302123053	97.99993143
													ASDSPIDLFYGDFFGDISEAVIQK	2	1	2xTMT6plex [N-Term; K24]	0.438	0.423	-	1.478722692	0	3092.586854	3	1031.536255	2.379069299	106.9815995
4503971	GDI1	rab GDP dissociation inhibitor alpha	36.91275168	13	41	6	447	50.55	5.14	1.445	1.387	1.571														
													QLICDPSYIPDR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.058	-	1.214	1.260949254	0	1705.878072	2	853.442749	0.087431146	64.86957788
													FLVFVANFDENDPK	6	1	2xTMT6plex [N-Term; K14]	1.482	1.331	1.47	1.894845605	0	2113.137013	3	705.0493774	-1.624928133	99.28450642
													EVEPALELLEPIDQK	7	1	2xTMT6plex [N-Term; K15]	1.647	1.677	1.754	2.684422016	0	2181.241872	2	1091.123779	-0.72879412	95.77141516
													TFEGVDPQTTSMR	1	1	1xTMT6plex [N-Term]	-	1.027	-	1.150762677	0	1697.836601	2	849.4224854	0.643779928	54.5386669
													TDDYLDQPCLETVNR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.089	1.069	-	1.335706949	0	2067.98545	2	1034.495483	-0.851090671	63.16810848
													YIAIASTTVETTDPEK	1	1	2xTMT6plex [N-Term; K16]	1.274	-	-	1.106687546	0	2197.200401	3	733.0709839	-0.91130506	73.24362351
													FLMANGQLVK	2	2	2xTMT6plex [N-Term; K10]	1.764	-	1.839	0.970701098	0	1578.944191	3	526.9837036	-4.834306495	81.38034981

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NTNDANSCQIIPQNQVNRK	5	2	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	1.91	1.64	1.182	1.364841104	1	2785.47793	3	929.1643066	0.156831928	50.32068443
													SPYLYPLYGLGELPQGFAR	7	2	1xTMT6plex [N-Term]	1.554	1.657	1.52	2.651036263	0	2370.269534	3	790.7617188	0.450872774	99.25757254
													DWNVDLIPK	2	2	2xTMT6plex [N-Term; K9]	1.585	-	1.365	1.734392643	0	1557.9041	3	519.9745483	3.204169969	85.69366947
													NTNDANSCQIIPQNQVNR	2	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.39	1.433	-	0.813235521	0	2428.220035	3	810.0784302	0.289272526	52.3596655
													GRDWNVDLIPK	3	2	2xTMT6plex [N-Term; K11]	-	2.108	1.809	1.332287669	1	1771.026675	3	591.0142212	0.810656462	68.40376805
													KFDLGQDVIDFTGHALAYR	1	2	2xTMT6plex [N-Term; K1]	-	-	0.955	1.210562825	1	2737.507756	4	685.1309204	-2.156943432	97.21246542
6598323	GDI2	rab GDP dissociation inhibitor beta isoform 1	59.5505618	22	76	15	445	50.631	6.47	1.737	1.605	1.817														
													VTEGSFVYK	2	1	2xTMT6plex [N-Term; K9]	1.55	1.776	-	1.129010797	0	1487.851002	2	744.428894	-0.329558579	61.1250683
													VPSTEAEALASSLMGLFEK	11	1	2xTMT6plex [N-Term; K19]	2.017	1.971	1.909	2.215617895	0	2438.325284	2	1219.66748	0.984576388	107.3577132
													VPSTEAEALASSLMGLFEK	1	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M14]	-	1.376	-	1.548122406	0	2454.320199	3	818.777832	-0.511651353	102.7193914
													FLMANGQLVK	2	2	2xTMT6plex [N-Term; K10]	1.764	-	1.839	0.970701098	0	1578.944191	3	526.9837036	-4.834306495	81.38034981
													NTNDANSCQIIPQNQVNRK	5	2	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	1.91	1.64	1.182	1.364841104	1	2785.47793	3	929.1643066	0.156831928	50.32068443
													SPYLYPLYGLGELPQGFAR	7	2	1xTMT6plex [N-Term]	1.554	1.657	1.52	2.651036263	0	2370.269534	3	790.7617188	0.450872774	99.25757254
													DWNVDLIPK	2	2	2xTMT6plex [N-Term; K9]	1.585	-	1.365	1.734392643	0	1557.9041	3	519.9745483	3.204169969	85.69366947
													NTNDANSCQIIPQNQVNR	2	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.39	1.433	-	0.813235521	0	2428.220035	3	810.0784302	0.289272526	52.3596655
													GRDWNVDLIPK	3	2	2xTMT6plex [N-Term; K11]	-	2.108	1.809	1.332287669	1	1771.026675	3	591.0142212	0.810656462	68.40376805
													KFDLGQDVIDFTGHALAYR	1	2	2xTMT6plex [N-Term; K1]	-	-	0.955	1.210562825	1	2737.507756	4	685.1309204	-2.156943432	97.21246542
													QLICDPSYVK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	2.02	1.968	0.670835555	0	1680.939499	2	840.9720459	-1.59689455	59.95519357
													DLGTESQIFISR	5	1	1xTMT6plex [N-Term]	1.347	1.623	1.299	2.3360672	0	1594.863802	3	532.293457	1.26388457	67.64668388
													VICILSHPIK	4	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.504	1.017	1.467	1.20230484	0	1638.01769	2	819.5116577	-1.00820664	74.29117301
													FVSISDLLVPK	4	1	2xTMT6plex [N-Term; K11]	1.951	-	2.014	1.41082561	0	1676.039865	3	559.348938	-4.537126661	98.66622092
													IPGSPPESMGR	1	1	1xTMT6plex [N-Term]	-	0.797	-	1.069183826	0	1356.714301	2	678.8595581	-1.814449115	49.22306365
													NPYYGGESASITPLEDLYK	2	1	2xTMT6plex [N-Term; K19]	1.48	1.73	-	1.367501378	0	2575.333206	3	859.1146851	-1.438161171	90.20828351
													FLVYVANFDEK	5	1	2xTMT6plex [N-Term; K11]	1.555	1.554	1.614	1.893947124	0	1803.009293	2	902.0078735	-0.456336909	95.73577894
													TYDATTHFETTCDDIK	5	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.597	1.615	1.771	1.596743107	0	2376.142962	3	792.7185059	-0.840909788	54.63947049
													TFEGIDPK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.98	0.691218257	0	1364.782588	2	682.8956909	1.111741863	58.13574302
													YIAIVSTTVETK	6	1	2xTMT6plex [N-Term; K12]	1.672	1.704	1.811	1.411580205	0	1783.061723	3	595.026123	1.173947373	80.6242517
													EIRPALELLEPIEQK	2	1	2xTMT6plex [N-Term; K15]	2.412	-	2.297	1.199585199	0	2236.33169	3	746.1160889	0.904888828	90.11735038
													TDDYLDQPCYETINR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.874	1.745	-	1.166388869	0	2131.980365	2	1066.492676	-1.074061252	58.19134533
													SEGEIAR	1	1	1xTMT6plex [N-Term]	-	1.702	-	1.152678967	0	990.54174	2	495.7754211	1.843097653	22.43487527
13129018	GGCT	gamma-glutamylcyclotransferase isoform 1	18.08510638	3	10	3	188	20.994	5.14	1.554	1.695	1.698														
													SNLNSLDEQEGVK	5	1	2xTMT6plex [N-Term; K13]	1.749	1.732	1.729	2.408756495	0	1891.017292	2	946.0115967	-0.72702171	54.55395908
													AIEPNDYTGK	1	1	2xTMT6plex [N-Term; K10]	-	1.77	-	1.011347294	0	1565.857544	2	783.4334106	1.277899813	49.92130602
													ENGLPLEYQEK	4	1	2xTMT6plex [N-Term; K11]	1.419	1.49	1.602	2.683038473	0	1777.973636	2	889.4910278	0.642925204	62.97248381
4503987	GGH	gamma-glutamyl hydrolase precursor	43.08176101	12	29	12	318	35.941	7.11	0.684	0.718	0.705														
													YPVYGVQWHPEK	2	1	2xTMT6plex [N-Term; K12]	0.62	-	0.619	1.23511374	0	1961.068539	3	654.3604736	-0.852474826	65.62852463
													YLESAGAR	2	1	1xTMT6plex [N-Term]	-	0.741	0.733	1.350694299	0	1095.599589	2	548.303833	0.730363203	35.29714219
													YYIAASYVK	4	1	2xTMT6plex [N-Term; K9]	0.669	0.793	0.671	1.495494485	0	1535.887387	2	768.4468994	-0.563265173	68.75039854
													FFNVLTTNTDGK	3	1	2xTMT6plex [N-Term; K12]	0.633	0.732	-	0.993668795	0	1815.00527	3	605.6740112	1.217633603	87.47857266
													TAFYLAEFFVNEARK	1	1	2xTMT6plex [N-Term; K15]	0.44	-	-	1.157142043	1	2264.24796	3	755.420105	-0.970948691	98.99034809
													SESEEEK	2	1	2xTMT6plex [N-Term; K7]	-	0.647	0.961	1.527891994	0	1295.673097	2	648.340332	0.22416341	24.88666316
													IEFISTMEGYK	1	1	2xTMT6plex [N-Term; K11]	0.785	-	-	1.181646943	0	1775.965379	3	592.6575317	-4.131575559	90.4725693
													SINGILFPGGSVDLR	1	1	1xTMT6plex [N-Term]	-	-	0.885	1.075778127	0	1774.00605	2	887.5025024	-4.690720863	92.32029838
													TAFYLAEFFVNEAR	6	1	1xTMT6plex [N-Term]	0.877	0.895	0.837	2.145396233	0	1906.990065	3	636.335144	0.4266823	101.8679597
													NLDGISHAPNAVK	4	1	2xTMT6plex [N-Term; K13]	0.947	0.754	0.74	1.52809155	0	1794.027403	3	598.6811523	0.836621139	51.62502287
													VVPVRLDLTEK	1	1	2xTMT6plex [N-Term; K11]	0.604	-	-	1.892007351	1	1727.083127	3	576.3650513	-1.462761906	73.63603677
													MFQNFPTELLLSLAVEPLTANFHK	2	1	2xTMT6plex [N-Term; K24]; 1xOxidation [M1]	-	0.374	0.337	1.311679602	0	3234.763713	4	809.4465332	0.182286112	108.5036894
187169264	GINS3	DNA replication complex GINS protein PSF3 isoform a	3.529411765	1	2	1	255	28.756	5.24	1.985	1.233	-														
													LELPLWLAK	2	1	2xTMT6plex [N-Term; K9]	1.985	1.233	-	1.228381157	0	1540.986707	2	770.9977417	0.972966496	100.7233253
4504009	GLA	alpha-galactosidase A precursor	2.797202797	1	1	1	429	48.735	5.6	-	-	0.868														
													DVIAINQDPLGK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.868	1.590692639	0	1741.026006	3	581.0144653	1.629416266	77.40806819
109637784	GLIS3	zinc finger protein GLIS3 isoform a	1.075268817	1	1	1	930	99.542	8.78	0.568	-	-														
													DAAAEGTVGR	1	1	1xTMT6plex [N-Term]	0.568	-	-	0.893631577	0	1175.621781	3	392.5472107	4.506296296	43.47513895
118402586	GLO1	lactoylglutathione lyase	39.67391304	6	12	6	184	20.764	5.31	1.045	1.023	1.143														
													RFEELGVK	2	1	2xTMT6plex [N-Term; K8]	-	1.072	1.162	1.440095305	1	1435.867321	3	479.2942505	0.611208871	51.10635164
													DFLLQQTMLR	1	1	1xTMT6plex [N-Term]	0.867	-	-	0.958869874	0	1493.834751	2	747.4210205	0.009148017	80.04899202
													CDFPIMK	1	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]; 1xCarbamidomethyl	1.028	-	-	1.027101755	0	1384.736901	2	692.8713989	-0.996296435	57.6933345
													GLAFIQDPDGYWIEILNPNK	3	1	2xTMT6plex [N-Term; K20]	1.094	1.244	1.169	1.91336441	0	2761.496523	3	921.1710815	0.78521515	103.1907078
													GFGHIGIAVPDVYSACK	4	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.079	1.077	1.078	1.766129851	0	2249.21528	3	750.4082642	-2.241185882	79.31539969
													FSLYFLAYEDK	1	1	2xTMT6plex [N-Term; K11]	-	0.705	-	1.2583251	0	1854.008959	3	618.6747437	0.387725759	97.87326397
217330598	GLOD4	glyoxalase domain-containing protein 4	20.80536913	5	12	5	298	33.212	5.6	1.403	1.586	1.41														
													AACNGPYDGK	3	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.478	1.679	1.214	1.833729148	0	1510.772434	2	755.888916	-1.243594805	35.09861192
													ILTPLVSLDTPGK	4	1	2xTMT6plex [N-Term; K13]	1.533	1.561	-	1.571571231	0	1812.124657	2	906.5670166	1.158476111	94.85232958
													SDEWFAK	1	1	2xTMT6plex [N-Term; K7]	0.688	-	-	0.977297604	0	1340.725073	2	670.8649902	-1.76713429	63.38318994
													LEWPLTEVAEGVFETEAPGGYK	1	1	2xTMT6plex [N-Term; K22]	-	1.683	-	0.852749586	0	2880.507147	4	720.8837891	2.145181277	102.9480318
													VTLAVSDLQK	3	1	2xTMT6plex [N-Term; K10]	1.224	-	1.46	1.536177874	0	1531.945965	2	766.477356	0.959912488	73.52068725
315467838	GLRX3	glutaredoxin-3	16.11940299	4	9	4	335	37.408	5.39	1.121	1.052	1.087														
													YEISSVPTFLFFK	5	1	2xTMT6plex [N-Term; K13]	1.008	1.06	1.036	1.661253214	0	2036.150872	3	679.3884277	-0.069762451	101.8596011
													GELVGGLDIVK	2	1	2xTMT6plex [N-Term; K11]	1.548	-	1.403	0.891028225	0	1557.961615	2	779.4865723	2.729907598	82.0772436
													HASSGSFLPSANEHLK	1	1	2xTMT6plex [N-Term; K16]	1.101	-	-	1.621743441	0	2140.155122	4	535.7930908	-2.14423651	47.27746977
													ELEASEELDTICPK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	0.983	-	0.761828363	0	2092.088408	2	1046.549561	1.642695279	70.99984524
4885281	GLUD1	glutamate dehydrogenase 1, mitochondrial isoform a precursor	3.584229391	2	5	2	558	61.359	7.8	1.078	1.221	1.629														

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													YSTDVSVDEVK	2	1	2xTMT6plex [N-Term; K11]	1.078	1.304	-	1.45272243	0	1699.915452	2	850.4605713	-0.933223986	58.09159202
													NYTDNELEK	3	1	2xTMT6plex [N-Term; K9]	-	1.198	1.629	1.84751761	0	1583.831723	3	528.6154175	-0.014905999	47.81668735
39995109	GM2A	ganglioside GM2 activator isoform 1 precursor	19.68911917	3	7	3	193	20.825	5.31	0.781	0.726	0.855														
													SEFVVPDLELPSWLTTGNYR	3	1	1xTMT6plex [N-Term]	0.761	0.76	-	1.198645592	0	2552.32342	3	851.4459229	-0.080281876	101.5618733
													IESVLSSSGK	3	1	2xTMT6plex [N-Term; K10]	0.792	-	0.855	1.74808228	0	1464.86738	3	488.9602966	-0.712315283	64.95562531
													EGTYSLPK	1	1	2xTMT6plex [N-Term; K8]	-	0.705	-	1.35790205	0	1352.782588	2	676.895874	1.392313068	51.08606784
4758442	GMFB	glia maturation factor beta	18.30985915	2	3	2	142	16.702	5.29	1.468	1.507	1.357														
													LVVLDEELEGISPDELK	2	1	2xTMT6plex [N-Term; K17]	-	1.507	1.357	1.094846845	0	2356.326329	3	786.1148682	1.579493528	97.91654226
													LVQTAELTK	1	1	2xTMT6plex [N-Term; K9]	1.468	-	-	1.312533379	0	1460.908851	2	730.9577026	-0.494456969	63.02870352
4504035	GMPS	GMP synthase [glutamine-hydrolyzing]	5.916305916	3	4	3	693	76.667	6.87	1.361	1.044	-														
													VFGGTVHK	1	1	2xTMT6plex [N-Term; K8]	-	1.007	-	1.135160565	0	1302.793427	3	434.9356384	-0.817809466	45.63230406
													ELFVQSEIFPLETPAFAIK	1	1	2xTMT6plex [N-Term; K19]	1.268	-	-	0.83001858	0	2637.494398	3	879.8374634	1.303918113	103.2060103
													EEVVLLTHGDSVDK	2	1	2xTMT6plex [N-Term; K14]	1.389	1.223	-	1.800272346	0	1999.111192	3	667.0412598	-0.983368575	63.161897
11321585	GNB1	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 isoform 1	8.235294118	2	2	2	340	37.353	6	-	0.705	-														
													AGVLAGHDNR	1	1	1xTMT6plex [N-Term]	-	0.693	-	1.597986817	0	1238.680299	3	413.5649414	-0.022694516	38.27338533
													LLLAGYDDFNCNVWDALK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	-	0.762	-	1.307600975	0	2585.347416	3	862.4527588	-1.428520898	101.5860651
5174447	GNB2L1	guanine nucleotide-binding protein subunit beta-2-like 1	22.08201893	7	10	7	317	35.055	7.69	1.166	1.23	1.357														
													LWNTLGVCK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.131	-	-	1.620180964	0	1548.897241	2	774.947937	-5.580367977	83.63786731
													LTRDETNYGIPQR	1	1	1xTMT6plex [N-Term]	-	1.033	-	0.881310523	1	1791.955077	3	597.9893799	-0.831634443	45.13506529
													DVLSVAFSSDNR	1	1	1xTMT6plex [N-Term]	1.058	-	-	1.684079885	0	1538.801202	3	513.6055298	0.542126863	71.01417986
													DGQAMLWDLNEGK	1	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M5]	-	1.162	-	1.097331047	0	1950.999533	3	651.0039673	-1.119859074	69.39581997
													IWDLEGK	2	1	2xTMT6plex [N-Term; K7]	1.195	-	1.271	1.370471001	0	1318.777109	2	659.8920898	-0.155903904	77.01351654
													DETNYGIPQR	3	1	1xTMT6plex [N-Term]	1.376	1.458	1.539	1.497412562	0	1421.722223	2	711.3638916	-1.207526229	40.4728609
													YTVQDESHSEWVSCVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.121	-	-	1.524217129	0	2211.033797	3	737.6852417	3.335307522	53.42284749
51036603	GNG12	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	22.22222222	1	1	1	72	8.001	8.97	-	-	0.527														
													SDPLLIGIPTSENPFK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.527	1.336827517	0	2186.247291	3	729.4170532	-4.887371192	95.83278612
9506741	GNMT	glycine N-methyltransferase isoform 1	3.389830508	1	2	1	295	32.721	7.02	1.15	-	1.178														
													AGGLLVIDHR	2	1	1xTMT6plex [N-Term]	1.15	-	1.178	1.563540459	0	1279.768386	3	427.2608032	-0.413662376	50.16579548
13027378	GNPDA1	glucosamine-6-phosphate isomerase 1	15.57093426	4	4	2	289	32.648	6.92	1.024	1.08	-														
													LVDPLYSIK	1	1	2xTMT6plex [N-Term; K9]	1.024	-	-	0.830663383	0	1505.934337	2	753.4691772	-2.164521873	89.87681385
													FFDGELTK	1	1	2xTMT6plex [N-Term; K8]	-	1.08	-	1.43731463	0	1414.798238	2	707.9041748	2.003818848	74.37486833
													YFTLGLPTGSTPLGCYK	1	2	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.05	-	1.013184786	0	2333.261562	3	778.4260864	0.919077132	95.39948134
													EVMILITGAHK	1	2	2xTMT6plex [N-Term; K11]	-	-	1.186	0.796794534	0	1670.007519	3	557.3411255	0.780867648	74.95454616
19923881	GNPDA2	glucosamine-6-phosphate isomerase 2 isoform 1	14.49275362	3	3	1	276	31.065	6.95	-	1.148	-														
													YFTLGLPTGSTPLGCYK	1	2	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.05	-	1.013184786	0	2333.261562	3	778.4260864	0.919077132	95.39948134
													EVMILITGAHK	1	2	2xTMT6plex [N-Term; K11]	-	-	1.186	0.796794534	0	1670.007519	3	557.3411255	0.780867648	74.95454616
													TLAMDTILANAK	1	1	2xTMT6plex [N-Term; K12]	-	1.148	-	1.51827836	0	1720.007913	3	574.0067749	-1.245089021	86.39408172
14249738	GNPTG	N-acetylglucosamine-1-phosphotransferase subunit gamma precursor	3.278688525	1	1	1	305	33.952	6.95	0.931	-	-														
													TLFEDAGYLK	1	1	2xTMT6plex [N-Term; K10]	0.931	-	-	1.047495365	0	1614.91433	2	807.958374	-3.008731197	84.82725375
4504061	GNS	N-acetylglucosamine-6-sulfatase precursor	5.434782609	3	4	3	552	62.042	8.31	0.675	-	0.706														
													SDVLVEYQGEGR	1	1	1xTMT6plex [N-Term]	0.668	-	-	0.647493899	0	1580.811767	2	790.9089966	-0.664213134	52.32692752
													RQLYEFDIK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.742	0.948714972	1	1669.967763	3	557.3273926	-0.082837303	62.63817045
													AFQNVFAPR	2	1	1xTMT6plex [N-Term]	0.681	-	0.598	1.154154658	0	1278.715622	2	639.8625488	1.719722675	63.14266115
374532817	GOLGB1	golgin subfamily B member 1 isoform 1	0.275313552	1	2	1	3269	376.907	5	0.8	0.613	-														
													NETETAEER	2	1	1xTMT6plex [N-Term]	0.8	0.613	-	1.238069773	0	1307.627654	2	654.3167114	-1.153247587	19.83640505
7657138	GOLIM4	Golgi integral membrane protein 4 isoform 1	5.172413793	3	8	3	696	81.831	4.77	0.799	0.767	0.845														
													QQEQQQQQVAR	3	1	1xTMT6plex [N-Term]	0.548	0.624	0.483	1.325389504	0	1599.840047	2	800.4220581	-2.004812336	19.19961248
													NNDGEEQEVR	3	1	1xTMT6plex [N-Term]	0.893	0.87	1.069	1.447855115	0	1418.670916	2	709.8379517	-1.613693254	20.79025832
													DNQHQDEAEGDPGNR	2	1	1xTMT6plex [N-Term]	-	0.634	0.743	1.473624229	0	1910.842626	3	637.6192017	0.223048441	17.32561877
29550838	GOLM1	Golgi membrane protein 1	1.74563591	1	2	1	401	45.306	4.97	0.42	-	0.466														
													VLQDQLK	2	1	2xTMT6plex [N-Term; K7]	0.42	-	0.466	1.042953491	0	1301.819308	2	651.4129639	-0.504452209	54.59763604
11545859	GOLPH3	Golgi phosphoprotein 3	5.369127517	1	4	1	298	33.79	6.44	1.2	1.227	1.234														
													AAGGGAGSSEDDAQSR	4	1	1xTMT6plex [N-Term]	1.2	1.227	1.234	1.569736123	0	1664.767335	2	832.887085	-0.265573522	18.92156083
29826294	GORASP2	Golgi reassembly-stacking protein 2 isoform 1	4.867256637	2	2	2	452	47.116	4.82	1.029	-	-														
													IPTRPFEEGK	1	1	2xTMT6plex [N-Term; K10]	1.06	-	-	0.815307677	0	1631.952113	3	544.6567383	2.174594293	52.42732544
													LYVYNTDTDNCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.878	-	-	1.358039141	0	1762.826765	2	881.9170532	0.03681321	52.75088336
4504067	GOT1	aspartate aminotransferase, cytoplasmic	19.6125908	6	11	6	413	46.219	7.01	1.154	1.2	1.067														
													EPESILQVLSQMEK	4	1	2xTMT6plex [N-Term; K14]	1.088	1.033	0.999	1.502991796	0	2089.161513	3	697.0591431	0.652433625	100.6796528
													QVEYLVNEK	1	1	2xTMT6plex [N-Term; K9]	1.005	-	-	1.089775324	0	1579.909579	2	790.4578247	-0.763617079	57.90653421
													VGNLTVVGK	1	1	2xTMT6plex [N-Term; K9]	0.949	-	-	0.861895382	0	1344.861507	2	672.9344482	0.083944982	61.04918999
													IVASTLSNPELFEEWTGNVK	1	1	2xTMT6plex [N-Term; K20]	1.053	-	-	1.609070539	0	2692.459803	3	898.1578979	-0.246065825	97.72305409
													HIYLLPSGR	3	1	1xTMT6plex [N-Term]	1.618	1.392	1.398	1.777885437	0	1284.762572	3	428.9250488	-1.540320109	54.39682106
													FLFPFFDSAYQGFASGNLER	1	1	1xTMT6plex [N-Term]	-	-	0.482	1.257227659	0	2542.260426	3	848.0916748	0.017722049	104.9404455
73486658	GOT2	aspartate aminotransferase, mitochondrial isoform 1	23.95348837	11	22	11	430	47.487	9.01	1.121	1.125	1.141														
													AEAQIAAK	1	1	2xTMT6plex [N-Term; K8]	1.229	-	-	1.398580909	0	1259.772358	2	630.390564	1.185666346	39.77956362
													EYLPIGGLAEFCK	5	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.22	1.174	1.178	1.781288505	0	1955.071242	2	978.0393677	0.110958393	93.86903601
													IAAAILNTPDLRK	1	1	2xTMT6plex [N-Term; K13]	1.016	-	-	1.809737921	1	1854.157689	3	618.7243042	0.361677791	77.10169337
													TCGFDFTGAVEDISK	3	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.834	1.176	-	1.233407378	0	2105.062527	2	1053.03479	-0.106411031	88.26092852
													IAAAILNTPDLR	3	1	1xTMT6plex [N-Term]	0.979	-	0.982	1.245026708	0	1496.899794	2	748.9508057	-3.646918717	82.8244777
													EIATVVK	2	1	2xTMT6plex [N-Term; K7]	1.19	1.18	-	2.182367563	0	1217.786945	2	609.3969727	-0.226975253	55.0155442
													TQLVSNLK	2	1	2xTMT6plex [N-Term; K8]	1.17	1.144	-	0.948231041	0	1360.856422	3	454.2895813	-1.639352602	58.68667115
													DAGMQLQGYR	2	1	1xTMT6plex [N-Term]	0.804	0.878	-	1.052892804	0	1367.6939	2	684.3497925	-1.163892785	47.27863141

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QWLQEVK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.11	0.950959682	0	1388.830207	2	694.9193115	0.820530018	66.283552
													FVTVQTISGTGALR	1	1	1xTMT6plex [N-Term]	-	0.938	-	1.747692585	0	1678.968936	2	839.9868164	-1.53647125	73.76743206
													EFSIYMTK	1	1	2xTMT6plex [N-Term; K8]	-	1.082	-	1.086633325	0	1476.817259	2	738.9117432	-0.71042092	75.04184671
167001141	GPC1	glypican-1 precursor	18.8172043	7	30	7	558	61.641	7.3	2.032	2.02	1.93														
													DVQDFWISLPGTLCSEK	4	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	2.232	2.302	2.482	1.721277595	0	2453.278668	3	818.4284058	-3.262599128	98.27394844
													VNPQGPGPEEK	8	1	2xTMT6plex [N-Term; K11]	1.758	1.681	1.966	1.501135111	0	1609.894992	3	537.3029175	-0.492323163	49.72510456
													VAQVPLGPECSR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.972	-	1.386	1.378242016	0	1541.830728	2	771.4182739	-0.94498599	52.83582038
													QLHPQLLLPDDYLDCLGK	2	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	2.542	2.572	-	1.871499062	0	2596.420916	3	866.1455688	0.476688106	93.05586114
													TLQATFPGAFGELYTQNAR	3	1	1xTMT6plex [N-Term]	1.806	1.016	-	2.147303343	0	2314.202911	3	772.0695801	-3.769887931	91.58764126
													GANLHLEETLAEFWAR	3	1	1xTMT6plex [N-Term]	2.153	2.268	0.86	1.456503749	0	2086.091904	3	696.0348511	-0.912911526	93.36210898
													NLLDSMVLITDK	8	1	2xTMT6plex [N-Term; K12]	2.493	2.36	2.403	2.459956169	0	1820.060342	3	607.3582153	-0.137200894	98.0375199
10880983	GPHN	gephyrin isoform 1	1.170351105	1	1	1	769	83.395	5.58	1.554	-	-														
													TEQYVELHK	1	1	2xTMT6plex [N-Term; K9]	1.554	-	-	1.804151535	0	1604.904828	3	535.6398926	0.184605573	47.70870855
577019448	GPI	glucose-6-phosphate isomerase isoform 3	30.98827471	17	59	17	597	67.243	8.97	1.573	1.616	1.585														
													INYTEGR	1	1	1xTMT6plex [N-Term]	-	-	2.002	1.514096618	0	1081.583939	2	541.295105	-0.929940827	34.26678109
													AVLHVALR	2	1	1xTMT6plex [N-Term]	-	1.988	-	0.931120932	0	1107.719979	3	369.9116211	0.298686723	48.43337024
													LTPFMLGALVAMYEHK	3	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M12]	1.068	1.093	1.217	1.557774782	0	2295.264539	3	765.7588501	-1.107317692	101.054839
													DPSAVAK	1	1	2xTMT6plex [N-Term; K7]	1.682	-	-	1.101835847	0	1145.693045	2	573.3504639	0.529264254	37.91954243
													NLVTEDVMR	1	1	1xTMT6plex [N-Term]	-	-	1.134	0.580297709	0	1305.703402	2	653.355957	0.945997765	53.33066798
													TFTTQETITNAETAK	11	1	2xTMT6plex [N-Term; K15]	1.772	1.554	1.821	2.595717669	0	2114.138135	2	1057.574219	1.431325584	57.53791633
													HFVALSTNTTK	6	1	2xTMT6plex [N-Term; K11]	1.486	1.55	1.5	2.094113827	0	1676.973576	2	838.991394	1.153873838	55.69724578
													MLVDLAK	1	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M1]	1.726	-	-	0.942177892	0	1263.774666	2	632.3909302	-0.065303127	61.99116111
													FAAYFQQGDMESNGK	1	1	2xTMT6plex [N-Term; K15]	-	1.294	-	2.242296219	0	2151.05811	2	1076.029297	-3.158148061	74.72815812
													FAAYFQQGDMESNGK	3	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M10]	1.841	-	1.617	1.975343108	0	2167.053025	2	1084.030762	0.563589117	67.14966139
													EWFLQAAK	4	1	2xTMT6plex [N-Term; K8]	1.363	1.547	1.611	2.123282433	0	1450.845857	3	484.2872925	1.011328253	81.48433442
													TLAQLNPESSLFIIASK	13	1	2xTMT6plex [N-Term; K17]	1.412	1.487	1.43	2.099123001	0	2290.342254	2	1145.675903	0.993581034	98.73146971
													DVMPEVNK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M3]	-	1.674	-	1.232939005	0	1405.776123	2	703.3914185	-0.400082153	44.55488295
													VWYVSNIDGTHIAK	4	1	2xTMT6plex [N-Term; K14]	1.538	1.613	1.565	1.731959343	0	2061.153332	2	1031.080566	0.254528614	74.09227921
													MIPCDFLIPVQTQHPIR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.242	1.579	1.47507751	0	2294.23508	3	765.4165649	0.026742778	91.55383385
													MIPCDFLIPVQTQHPIR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M1];	-	-	1.791	1.652784109	0	2310.229995	3	770.7439575	-5.486861236	82.20099561
													MIPCDFLIPVQTQHPIRK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	-	2.144	-	1.157213807	1	2651.492975	4	663.6291504	0.677543753	86.04164979
													SNTPILVDGK	1	1	2xTMT6plex [N-Term; K10]	-	1.777	-	1.401615858	0	1501.899015	2	751.4528198	-0.43381849	58.5770072
													VFEGNRPTNSIVFTK	2	1	2xTMT6plex [N-Term; K15]	-	1.15	1.147	0.998329222	0	2167.227559	2	1084.115479	-1.78968689	68.72800834
47078238	GPS1	COP9 signalosome complex subunit 1 isoform 1	3.795066414	2	3	2	527	59.013	6.32	1.051	0.993	-														
													AESTPEIAEQR	2	1	1xTMT6plex [N-Term]	1.051	0.858	-	1.38550806	0	1459.759003	2	730.3813477	-2.455225481	36.40949452
													NVISSSSFK	1	1	2xTMT6plex [N-Term; K9]	-	1.086	-	1.269189835	0	1426.830601	2	713.9185181	-0.589556453	57.58851106
164519122	GPSM2	G-protein-signaling modulator 2	2.631578947	1	1	1	684	76.614	6.39	-	0.934	-														
													LTQNSQSVLSHLMTNDNK	1	1	2xTMT6plex [N-Term; K18]	-	0.934	-	0.57691282	0	2488.322992	3	830.1124878	-0.032958379	51.44300475
4504111	GRB2	growth factor receptor-bound protein 2 isoform 1	5.529953917	1	2	1	217	25.19	6.32	2.406	2.14	-														
													FNSLNELVDYHR	2	1	1xTMT6plex [N-Term]	2.406	2.14	-	1.413050532	0	1735.896499	3	579.303833	0.257252341	70.73498599
6912396	GRHPR	glyoxylate reductase/hydroxypyruvate reductase	5.487804878	1	1	1	328	35.646	7.39	1.031	-	-														
													GVAGAHGLLCLLSDHVDK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.031	-	-	1.224942803	0	2320.284757	4	580.8264771	-0.292329152	80.40552277
219842343	GRM5	metabotropic glutamate receptor 5 isoform a precursor	3.217821782	1	1	1	1212	132.383	7.78	0.729	-	-														
													MGFVINAIYSMAYGLHNMQMSLCPGYAGLCDAMKPIDGR	1	1	2xTMT6plex [N-Term; K34]; 3xOxidation [M1; M11; M18];	0.729	-	-	0.722414732	0	4859.302028	4	1215.580078	-0.729685041	92.83639467
4504151	GRN	granulins precursor	18.88701518	10	22	10	593	63.5	6.83	1.346	1.096	1.115														
													GFHCSADGR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.551	1.596	1.499	1.276842594	0	1235.578871	2	618.293335	0.422864042	22.00479967
													SPHVGVK	3	1	2xTMT6plex [N-Term; K7]	-	1	0.838	1.396466851	0	1181.740664	3	394.5849609	-0.282716429	31.01681036
													LPAHTVGDVK	3	1	2xTMT6plex [N-Term; K10]	1.259	1.238	1.271	1.354004741	0	1494.904434	3	498.9738159	1.645693096	46.77587913
													APAHLSLPDPQALK	1	1	2xTMT6plex [N-Term; K14]	-	0.986	-	1.381020784	0	1916.136953	3	639.3847046	1.360674939	70.95783128
													QHCCPAGYTCNVK	4	1	2xTMT6plex [N-Term; K13]; 3xCarbamidomethyl	1.591	1.833	1.209	2.475934982	0	2052.981792	3	684.9995117	1.066578505	33.75543381
													HCCPAGFR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	1.138	0.647002101	0	1233.581848	3	411.8657532	0.695682646	28.38140228
													VHCCPHGAFCDLVHTR	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	-	0.768	1.043337584	0	2195.025833	5	439.8110962	0.246583445	46.77155844
													CITPTGTHPLAK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.9	1.034	-	1.067385793	0	1754.003497	2	877.5055542	0.19105346	47.92749123
													GSEIVAGLEK	1	1	2xTMT6plex [N-Term; K10]	1.351	-	-	1.890467048	0	1460.872465	3	487.6284485	-1.145398421	62.88831089
													EVVSAQPATFLAR	2	1	1xTMT6plex [N-Term]	-	0.831	1.011	1.817530155	0	1617.916172	3	539.9772339	0.603455342	66.74609132
24308295	GRPEL1	grpE protein homolog 1, mitochondrial precursor	5.069124424	1	3	1	217	24.264	8.12	-	1.331	1.43														
													DLLEVADVLEK	3	1	2xTMT6plex [N-Term; K11]	-	1.331	1.43	1.09563601	0	1702.003873	2	851.5063477	0.90789012	96.58276378
237820620	GRWD1	glutamate-rich WD repeat-containing protein 1	3.587443946	1	1	1	446	49.388	4.92	-	1.229	-														
													VSWLGEEPVAGVWSEK	1	1	2xTMT6plex [N-Term; K16]	-	1.229	-	1.667084694	0	2231.21124	3	744.4082642	-0.448652962	93.92211505
4504165	GSN	gelsolin isoform a precursor	24.04092072	15	43	15	782	85.644	6.28	1.345	1.349	1.322														
													AGALNSNDAFVLK	4	1	2xTMT6plex [N-Term; K13]	1.466	1.249	1.367	1.724117041	0	1778.021255	2	889.5148315	0.636441176	72.50026009
													AQPVQVAEGSEPDGFWEALGGK	5	1	2xTMT6plex [N-Term; K22]	1.121	1.563	1.613	2.788894653	0	2730.413916	3	910.8108521	1.496975356	92.17536863
													DSQEEEK	1	1	2xTMT6plex [N-Term; K7]	1.582	-	-	0.831972063	0	1322.683996	2	661.84552	-0.17586282	23.02833752
													TGAQELLR	1	1	1xTMT6plex [N-Term]	1.321	-	-	0.934952915	0	1116.657438	2	558.8322144	-0.256416205	44.28403123
													TASDFITK	1	1	2xTMT6plex [N-Term; K8]	1.299	-	-	1.756938577	0	1340.782588	2	670.8949585	0.039113118	55.49617631
													TPSAAYLWVGTGASEAEK	6	1	2xTMT6plex [N-Term; K18]	1.151	1.195	1.218	1.730726242	0	2296.222533	3	766.0784912	-0.702361014	78.252864
													HVVPNEVVVQR	5	1	1xTMT6plex [N-Term]	1.365	1.504	1.392	1.316629767	0	1504.879727	3	502.2979736	-0.238830756	41.75113694
													AVEVLPK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.258	0.746528208	0	1213.79203	2	607.4003906	1.214483176	57.43699066
													EVQGFESATFLGYFK	2	1	2xTMT6plex [N-Term; K15]	1.308	-	1.222	1.172875285	0	2181.163227	3	727.7263794	0.622348468	96.01794368
													GGVASGFK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.568	0.701999187	0	1180.709029	2	590.8586426	0.829472991	50.18037352
													SEDCFILDHGK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.423	-	1.368	1.960331559	0	1778.914741	3	593.6445923	2.519741596	57.76351301
													TEALTSAK	4	1	2xTMT6plex [N-Term; K8]	1.504	1.434	1.466	2.018069029	0	1278.766938	2	639.8880615	1.492497826	43.82321411

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QTQVSVLPEGGETPLFK	7	1	2xTMT6plex [N-Term; K17]	1.357	1.249	1.329	1.398889065	0	2288.290219	3	763.4342651	-0.863806447	84.33280019
													EGGQTAPASTR	2	1	1xTMT6plex [N-Term]	-	1.537	1.437	1.572230816	0	1303.680359	2	652.3430786	-1.133685437	20.06157163
													FDLVPVPTNLYGDFFTGDAYVILK	1	1	2xTMT6plex [N-Term; K24]	-	-	1.438	1.381236315	0	3162.716746	3	1054.907104	-3.157321455	108.6203318
194018520	GSPT1	eukaryotic peptide chain release factor GTP-binding subunit ERF3A	2.668759812	2	4	2	637	68.628	5.33	1.367	1.41	-														
													SVVAPPGAPK	2	1	2xTMT6plex [N-Term; K10]	1.533	1.466	-	1.225715041	0	1380.861507	2	690.9353638	1.407779892	50.52410857
													EHAMLAK	2	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M4]	1.259	1.365	-	1.335436106	0	1273.733864	3	425.2501221	1.530053485	28.80406517
50301238	GSR	glutathione reductase, mitochondrial isoform 1 precursor	7.662835249	4	5	4	522	56.221	8.5	1.355	-	1.768														
													YGIENVK	1	1	2xTMT6plex [N-Term; K7]	1.331	-	-	1.170731544	0	1280.761459	2	640.8835449	-1.284693757	51.20214456
													AAVVESHK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.367	1.488799691	0	1298.783257	3	433.5997314	1.065933003	31.9396796
													GHIIVDEFQNTNVK	2	1	2xTMT6plex [N-Term; K14]	1.446	-	1.944	1.488867283	0	2072.15406	3	691.3902588	1.043994377	61.75896299
													GIYAVGDVCGK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	-	1.253	1.280163646	0	1596.881985	2	798.9434814	-1.439273157	59.07198622
4504169	GSS	glutathione synthetase	24.47257384	10	14	10	474	52.352	5.92	0.903	1.024	1.016														
													HVLSVLSK	2	1	2xTMT6plex [N-Term; K8]	0.887	-	0.931	0.680044234	0	1340.866592	3	447.6277161	1.493491874	53.98222437
													ALAEGVLLR	2	1	1xTMT6plex [N-Term]	-	1.12	1.135	1.943130493	0	1170.740774	2	585.8753662	2.290585529	60.90872983
													GLALGIAK	1	1	2xTMT6plex [N-Term; K8]	0.971	-	-	1.135816693	0	1200.808015	2	600.9083862	1.233262036	69.32990189
													SADGSPALK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.171	1.217449307	0	1303.762187	2	652.385376	0.988288461	39.62391107
													EGIAQTVFLGLNR	3	1	1xTMT6plex [N-Term]	0.968	1.021	-	1.4889431	0	1646.942721	3	549.6525879	0.297072794	83.85031144
													IEPEPFENCLLRPGSPAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.909	-	1.671716452	0	2311.206617	3	771.0733032	-0.545322093	71.59667946
													VVQCISELGIFGVYVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.955	-	1.299990416	0	2068.146248	3	690.0531006	-0.725283422	100.1000852
													QDDFTAR	1	1	1xTMT6plex [N-Term]	-	-	1.154	1.615743399	0	1081.547554	2	541.2772827	-0.244853138	32.61494015
													AIENELLAR	1	1	1xTMT6plex [N-Term]	-	1.097	-	1.706126213	0	1257.736417	2	629.3707275	-1.779778215	58.29191569
													AWELYGSPNALVLLIAQEK	1	1	2xTMT6plex [N-Term; K19]	-	-	0.79	1.411548853	0	2573.474331	3	858.4935303	-3.222693767	103.735561
4504175	GSTM2	glutathione S-transferase Mu 2 isoform 1	7.798165138	1	3	1	218	25.728	6.37	5.87	5.271	5.194														
													LGLDFPNLPYLIDGTHK	3	1	2xTMT6plex [N-Term; K17]	5.87	5.271	5.194	1.968965411	0	2371.342589	4	593.5906372	-0.788499259	98.61298686
23065552	GSTM3	glutathione S-transferase Mu 3	12	2	4	2	225	26.542	5.54	0.814	1.415	1.768														
													LTFVDFLTYDILDQNR	2	1	1xTMT6plex [N-Term]	-	1.415	1.354	1.249839664	0	2202.164401	3	734.7258911	-0.581455297	106.6609925
													HNMCGETEEEK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3];	0.814	-	1.826	2.320760965	0	1837.84607	3	613.2879639	1.778572002	25.54906134
4758484	GSTO1	glutathione S-transferase omega-1 isoform 1	33.60995851	8	20	8	241	27.548	6.6	0.966	1.101	0.971														
													GSAPPGPVPEGSIR	6	1	1xTMT6plex [N-Term]	0.99	1.075	1.129	1.640862823	0	1549.853572	3	517.2889404	-0.841234915	45.51697939
													HEVININLK	5	1	2xTMT6plex [N-Term; K9]	0.957	1.108	0.961	2.10695672	0	1537.946633	3	513.3198853	-0.995475557	56.86782662
													MILELFSK	1	1	2xTMT6plex [N-Term; K8]	0.907	-	-	1.38852644	0	1438.87438	2	719.9415283	0.973101366	98.71467385
													LNECVDHTPK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.011	-	-	1.125564575	0	1670.893612	3	557.6362915	0.424552296	40.84994794
													NKPEWFFK	1	1	3xTMT6plex [N-Term; K2; K8]	1.082	-	-	0.948676527	0	1783.050988	3	595.0220947	0.416628404	70.17079793
													EDPTVSALLTSEK	2	1	2xTMT6plex [N-Term; K13]	0.883	-	0.848	1.423212767	0	1848.03663	3	616.6831055	-1.010198456	74.49286282
													LLPDDPYEK	2	1	2xTMT6plex [N-Term; K9]	0.96	-	0.977	1.524499416	0	1547.872131	3	516.6295776	1.323455675	69.18571842
													VPSLVGSFIR	1	1	1xTMT6plex [N-Term]	0.648	-	-	0.88365978	0	1303.793538	2	652.397644	-4.238757059	90.45441785
4504183	GSTP1	glutathione S-transferase P	51.9047619	8	58	8	210	23.341	5.64	1.05	1.064	1.046														
													TLGLYGK	1	1	2xTMT6plex [N-Term; K7]	0.88	-	-	1.284661651	0	1209.76073	2	605.3843384	0.55362833	58.44492372
													MLLADQGQSWK	3	1	2xTMT6plex [N-Term; K11]	1.002	1.075	1.044	1.456322193	0	1734.961297	3	578.991394	-0.961595568	73.54551289
													MLLADQGQSWK	4	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M1]	0.992	0.995	-	1.698961854	0	1750.956212	3	584.3231201	-0.802480626	73.17665561
													DQQEAALVDMVNDGVEDLR	3	1	1xTMT6plex [N-Term]	0.742	-	0.472	0.902430475	0	2346.14447	3	782.7167358	-3.7573562	93.21087163
													DQQEAALVDMVNDGVEDLR	8	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	1.061	1.055	1.151	2.280468702	0	2362.139385	3	788.0497437	-1.992627107	77.27287527
													YISLIYTNYEAGK	7	1	2xTMT6plex [N-Term; K13]	0.984	0.79	0.993	1.585289598	0	1993.10465	3	665.0393066	-0.643909052	88.07639583
													ASCLYGQLPK	10	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.225	1.219	1.269	1.989761233	0	1594.90272	2	797.9542847	-0.894953682	63.02365388
													AFLASPEYVNLPINGNGK	4	1	2xTMT6plex [N-Term; K18]	-	1.225	1.289	1.36294055	0	2362.317102	4	591.3325195	-3.748021378	92.68759551
													FQDGDLTLYQSNTILR	8	1	1xTMT6plex [N-Term]	0.939	0.933	0.932	2.229369164	0	2113.112699	3	705.0414429	-1.383729661	84.43495388
													EEVVTVETWQEGSLK	10	1	2xTMT6plex [N-Term; K15]	1.002	1.02	0.985	2.840225935	0	2192.185085	2	1096.591553	-4.222358465	75.974672
338827698	GUK1	guanylate kinase isoform c	4.149377593	1	2	1	241	26.58	9.1	-	0.715	0.881														
													NPRPGEENGK	2	1	2xTMT6plex [N-Term; K10]	-	0.715	0.881	1.379782915	0	1555.859275	3	519.2915649	0.556974678	25.76661615
93141018	H2AFY	core histone macro-H2A.1 isoform 3	2.419354839	1	1	1	372	39.592	9.79	-	0.922	-														
													QTAAQLILK	1	1	2xTMT6plex [N-Term; K9]	-	0.922	-	1.282355547	0	1443.929921	2	722.4681396	-0.635877899	68.12032289
296179427	HADH	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial isoform 1	9.063444109	2	4	2	331	36.013	8.53	1.142	1.103	1.154														
													AGDEFVEK	3	1	2xTMT6plex [N-Term; K8]	1.142	1.128	1.154	1.447757125	0	1352.746202	2	676.8776245	1.308444581	51.47694508
													LGAGYPMGPFELLDYVGLDTTK	1	1	2xTMT6plex [N-Term; K22]	-	0.994	-	0.989258826	0	2815.499225	3	939.1704102	-0.904944753	106.1472533
6996014	HARS	histidine--tRNA ligase, cytoplasmic isoform 1	28.09430255	13	23	13	509	57.374	5.88	0.902	0.977	0.995														
													ASAELIEEEVAK	3	1	2xTMT6plex [N-Term; K12]	0.835	0.873	-	1.352005243	0	1746.988952	2	874.0002441	2.438499251	70.82627167
													AALEELVK	1	1	2xTMT6plex [N-Term; K8]	-	0.992	-	1.224109411	0	1330.834624	2	665.9205322	-0.627934426	71.26334597
													LLNQLQYCEEAGIPLVAIIGEQELK	1	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	-	1.09	-	1.36890316	0	3299.832521	4	825.713623	0.042846872	104.2218055
													AQLGPDESK	3	1	2xTMT6plex [N-Term; K9]	0.943	0.938	0.959	2.16831708	0	1402.794215	2	701.9002686	-0.680570689	49.90693565
													REDLVEEIK	2	1	2xTMT6plex [N-Term; K9]	0.965	1.02	-	1.436289907	1	1588.931043	3	530.3154907	0.551306473	52.87628106
													IFSIVEQR	2	1	1xTMT6plex [N-Term]	0.923	1.016	-	1.121921301	0	1220.720039	2	610.862915	-1.216660518	75.35289909
													ILDGMFAICGVSDSK	3	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.936	0.89	1.225	2.051533461	0	2071.096805	3	691.0336304	-5.053687831	96.3755963
													LVSELWDAGIK	3	1	2xTMT6plex [N-Term; K11]	-	0.949	0.907	2.095387459	0	1688.998729	3	563.6699219	-2.081822171	94.80685332
													GLAPEVADR	1	1	1xTMT6plex [N-Term]	-	-	1.015	1.418789983	0	1156.652353	2	578.8302002	0.666363254	47.01016797
													QALEGLGDLK	1	1	2xTMT6plex [N-Term; K10]	-	1.115	-	1.322277427	0	1501.899015	2	751.4499512	-4.253852082	68.87231326
													YDGLVGMFDPK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.003	1.288262486	0	1699.91295	3	567.3092651	0.17183242	91.13213005
													ISFDLSLAR	1	1	1xTMT6plex [N-Term]	-	-	1.091	1.973964095	0	1250.730603	2	625.8703613	2.272844562	84.91625623
													VFDVIIR	1	1	1xTMT6plex [N-Term]	0.92	-	-	1.657072902	0	1090.682197	2	545.8452148	0.876870919	81.64538743
4504347	HBA1	hemoglobin subunit alpha	34.50704225	4	16	4	142	15.248	8.68	2.512	1.673	1.529														
													MFLSFPTTK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M1]	-	1.266	1.238	1.155538201	0	1545.875108	3	515.9642944	2.083978689	79.59092992
													VGAHAGEYGAEALER	11	1	1xTMT6plex [N-Term]	2.49	1.278	1.84	1.955793142	0	1758.897227	3	586.9701538	-0.750051906	44.47108378
													LRVDPVNFK	1	1	2xTMT6plex [N-Term; K9]	-	2.533	-	0.991798759	1	1545.951719	3	515.9890747	0.615783198	65.34114417

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													TYFPHFDLSHGSAQVK	2	1	2xTMT6plex [N-Term; K16]	2.541	-	1.433	1.457772613	0	2292.217723	3	764.7433472	-0.974770447	69.01431747
4504349	HBB	hemoglobin subunit beta	70.06802721	8	40	8	147	15.988	7.28	0.782	0.798	0.82														
													SAVTALWGK	2	1	2xTMT6plex [N-Term; K9]	-	0.884	-	1.250747323	0	1390.845857	3	464.2875977	1.71320836	72.49469281
													FFESFGDLSTPDAVMGNPK	4	1	2xTMT6plex [N-Term; K19]	0.91	0.847	0.872	1.376109004	0	2517.273582	3	839.7626343	-0.092484174	96.18412736
													FFESFGDLSTPDAVMGNPK	7	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M15]	0.982	0.744	0.75	1.725300193	0	2533.268497	4	634.072998	0.657221097	92.67032066
													VNVDEVGGEALGR	3	1	1xTMT6plex [N-Term]	-	0.844	0.93	1.760639191	0	1543.827751	2	772.4195557	2.645203212	57.31641603
													EFTPPVQAAYQK	10	1	2xTMT6plex [N-Term; K12]	0.789	0.832	0.864	2.120565653	0	1837.026006	2	919.0137939	-3.099912226	65.76543464
													GTFATLSELHCDK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.897	-	1.583302498	0	1937.020269	3	646.3462524	2.031601983	62.54440531
													VVAGVANALAHK	4	1	2xTMT6plex [N-Term; K12]	0.686	0.704	0.766	2.513959408	0	1607.999732	3	536.6710815	-0.646953524	66.7253396
													LHVDPENFR	4	1	1xTMT6plex [N-Term]	-	0.801	0.79	1.174370527	0	1355.726915	3	452.5814514	2.12882699	50.31723367
													VLGAFSDGLAHLDNLK	5	1	2xTMT6plex [N-Term; K16]	0.718	0.742	0.755	1.505663157	0	2128.21666	3	710.0775757	0.711281332	92.70703202
28302131	HBG1	hemoglobin subunit gamma-1	10.20408163	2	5	2	147	16.118	7.2	3.019	2.602	3.119														
													HLDDLK	3	1	2xTMT6plex [N-Term; K6]	3.019	-	3.313	1.850818634	0	1198.719594	3	400.2441406	-1.439206474	40.57867673
													LHVDPENFK	2	1	2xTMT6plex [N-Term; K9]	-	2.602	2.857	1.225074649	0	1556.883699	2	778.9465942	1.421407755	57.62215487
4758516	HDGF	hepatoma-derived growth factor isoform a	75	18	77	17	240	26.772	4.73	0.828	0.778	0.819														
													CGDLVFAK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.606	-	-	1.548560143	0	1367.775729	2	684.392395	1.304781935	60.22474838
													IDEMPEAAVK	1	1	2xTMT6plex [N-Term; K10]	1.365	-	-	1.437252164	0	1560.870751	3	520.9616089	-0.305918888	64.9976463
													IDEMPEAAVK	7	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M4]	0.432	0.425	0.414	1.632952809	0	1576.865666	3	526.2928467	-1.064847167	52.09348862
													ASGYQSSQK	6	1	2xTMT6plex [N-Term; K9]	0.707	0.788	0.715	1.480582118	0	1413.773814	3	471.9292297	-0.479667263	38.2245821
													GYPHWPAR	2	2	1xTMT6plex [N-Term]	0.978	-	1.003	1.367227197	0	1212.647542	3	404.8877563	0.967546569	40.70847293
													KGNAEGSSDEEGK	3	1	3xTMT6plex [N-Term; K1; K13]	1.157	1.233	1.31	1.890222669	1	1995.059774	3	665.6918945	0.67980106	26.33960065
													EAATLEVERPLPMEVEK	2	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M13]	0.649	-	0.672	1.098771095	0	2415.320533	3	805.7783203	-0.051869927	62.22403967
													DLFPYEESK	2	1	2xTMT6plex [N-Term; K9]	0.742	0.762	-	1.504527926	0	1585.851396	3	529.2888794	0.43463946	68.38177898
													EAENPEGEEK	14	1	2xTMT6plex [N-Term; K10]	1.055	1.017	1.006	2.221515417	0	1589.805902	3	530.6067505	-0.128144672	40.43355942
													EDAEAPGIR	2	1	1xTMT6plex [N-Term]	-	1.021	0.976	0.905269444	0	1186.626532	2	593.8175659	1.114972489	34.01746292
													GPPQEEEEEEDEEEEATK	4	1	2xTMT6plex [N-Term; K18]	1.273	-	1.23	1.137670398	0	2562.161902	2	1281.583374	-0.948727371	44.44387114
													SCVEEPEPEPEAAEGDGDK	10	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.753	0.736	0.714	2.004530907	0	2503.154649	3	835.053894	-3.004337385	54.30107343
													NSTPSEPGSGR	3	1	1xTMT6plex [N-Term]	-	1.329	-	1.364388704	0	1317.659623	2	659.3325195	-1.412100263	21.7927661
													AGDLLEDSPK	5	1	2xTMT6plex [N-Term; K10]	0.897	0.923	0.98	2.342782497	0	1502.846645	2	751.9254761	-1.975651723	57.84072047
													LVIDEPAK	2	1	2xTMT6plex [N-Term; K8]	0.758	-	0.7	1.704505801	0	1342.834624	3	448.2836914	1.413024893	63.11747455
													GNAEGSSDEEGK	3	1	2xTMT6plex [N-Term; K12]	1.024	0.88	0.896	0.992817819	0	1637.801879	2	819.4041138	-0.566747999	28.26004412
													EDAEAPGIRDHESL	2	1	1xTMT6plex [N-Term]	-	0.728	0.7	2.101172924	1	1767.871072	3	589.9616699	-0.348268821	43.37372164
													GFSEGLWEIENNPTVK	6	1	2xTMT6plex [N-Term; K16]	1.178	1.176	1.177	1.440351844	0	2278.211968	3	760.0744629	-1.375235566	88.36818086
													SCVEEPEPEPEAAEGDGDKK	2	1	3xTMT6plex [N-Term; K19; K20]; 1xCarbamidomethyl	-	0.902	0.844	1.52741468	1	2860.412544	3	954.1434937	1.182887775	53.34654966
7705320	HDGFRP3	hepatoma-derived growth factor-related protein 3	33.49753695	6	9	5	203	22.606	7.99	1.123	0.996	0.894														
													NTTSDLQK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.644	1.641663671	0	1364.778565	2	682.8921509	-1.128382455	35.09435748
													IDELPEGAVKPPANK	2	1	3xTMT6plex [N-Term; K10; K15]	1.162	-	1.124	2.747397661	0	2265.342144	3	755.786438	1.155143319	64.81057318
													GFNEGLWEIENNPGVK	2	1	2xTMT6plex [N-Term; K16]	1.073	0.999	-	1.53008306	0	2261.196653	3	754.4016113	-2.818010374	87.52866116
													SPGDEDDK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.066	0.845529199	0	1320.668346	2	660.8372803	-0.804170955	30.80025152
													SSSEGGDAGNDTR	1	1	1xTMT6plex [N-Term]	-	0.812	-	0.752282739	0	1481.666559	2	741.3374023	0.654153591	16.93755292
													GYPHWPAR	2	2	1xTMT6plex [N-Term]	0.978	-	1.003	1.367227197	0	1212.647542	3	404.8877563	0.967546569	40.70847293
20336761	HEBP1	heme-binding protein 1	8.465608466	1	1	1	189	21.084	5.8	-	-	0.823														
													FATVEVTDKPVDEALR	1	1	2xTMT6plex [N-Term; K9]	-	-	0.823	1.069096446	0	2248.258919	3	750.0928955	2.319391861	73.28259087
7657603	HEBP2	heme-binding protein 2	25.85365854	4	16	4	205	22.861	4.63	1.167	1.064	1.193														
													NNEVWLIQK	4	1	2xTMT6plex [N-Term; K9]	1.283	-	1.263	1.642932415	0	1601.941548	3	534.6517944	-0.448236841	72.62659056
													NQEQLLTLASILREDGK	2	1	2xTMT6plex [N-Term; K17]	0.911	-	0.988	1.948454142	1	2386.370594	3	796.1260376	-2.947889589	93.00391301
													APEDAGPQPGSYEIR	4	1	1xTMT6plex [N-Term]	1.173	1.196	1.34	1.822187781	0	1815.907458	2	908.4562378	-1.243876197	50.16665144
													VYYTAGYNSPVK	6	1	2xTMT6plex [N-Term; K12]	0.925	0.986	1.078	1.738992572	0	1819.999457	3	607.3381348	0.216619227	62.59920923
974005364	HEXA	beta-hexosaminidase subunit alpha isoform 1 precursor	7.777777778	4	7	3	540	61.96	5.21	0.959	0.863	0.919														
													GLLLDTSR	2	2	1xTMT6plex [N-Term]	-	-	0.802	1.501954675	0	1103.662189	2	552.3348389	0.191783661	53.00697361
													GLETFSQLVWK	2	1	2xTMT6plex [N-Term; K11]	1.067	0.863	-	1.888497591	0	1766.025278	2	883.5158691	-0.462053834	95.29015145
													IQPDTIIQVWR	3	1	1xTMT6plex [N-Term]	0.912	0.865	0.954	1.353469491	0	1597.926343	2	799.467041	0.289463436	90.76796267
													GYVVWQEVFDNK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.914	0.611645639	0	1942.04747	3	648.020813	0.21427635	92.53343002
4504373	HEXB	beta-hexosaminidase subunit beta isoform 1 preproprotein	16.36690647	8	24	7	556	63.071	6.76	0.717	0.665	0.82														
													EPVAVLK	1	1	2xTMT6plex [N-Term; K7]	-	0.629	-	1.882553339	0	1213.79203	2	607.3989258	-1.199181955	59.35245316
													GLLLDTSR	2	2	1xTMT6plex [N-Term]	-	-	0.802	1.501954675	0	1103.662189	2	552.3348389	0.191783661	53.00697361
													VLDIIATINK	5	1	2xTMT6plex [N-Term; K10]	0.71	0.642	0.868	1.923531651	0	1557.998	2	779.5028687	0.295471937	95.85685149
													EISEVFPDQFIHLGGDEVEFK	2	1	2xTMT6plex [N-Term; K21]	-	0.645	0.656	2.109843493	0	2893.502396	3	965.1678467	-4.63429405	95.71914648
													VLPEFDTPGHTLSWGK	3	1	2xTMT6plex [N-Term; K16]	0.733	0.687	0.73	1.845293403	0	2242.227225	3	748.0780029	-3.46493025	84.09287627
													VEPLDFGGTQK	6	1	2xTMT6plex [N-Term; K11]	0.656	0.675	0.682	1.641456008	0	1648.931043	3	550.3139038	-2.355922787	66.85067654
													LAPGTIVEVWK	5	1	2xTMT6plex [N-Term; K11]	0.776	0.67	0.986	2.053549767	0	1671.024549	3	557.677002	-4.845422904	92.8809103
													GFGTDFK	1	1	2xTMT6plex [N-Term; K7]	-	0.819	-	1.163325548	0	1229.693045	2	615.3508301	1.088723935	61.78002681
4758528	HGS	hepatocyte growth factor-regulated tyrosine kinase substrate	2.831402831	2	3	2	777	86.138	6.16	1.613	1.336	-														
													NCGQTVHDEVANK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.951	-	-	1.098567724	0	1929.98528	3	643.9993896	-0.862480509	33.41892963
													KQEYLEVQR	2	1	2xTMT6plex [N-Term; K1]	1.48	1.336	-	1.460156202	1	1650.957926	3	550.991272	0.809395532	43.61787247
4885413	HINT1	histidine triad nucleotide-binding protein 1	7.142857143	1	1	1	126	13.793	6.95	-	-	0.942														
													CAADLGLNK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	0.942	0.813049376	0	1419.803006	2	710.404541	-0.845665733	57.93439031
14211923	HINT2	histidine triad nucleotide-binding protein 2, mitochondrial precursor	12.26993865	1	1	1	163	17.151	9.16	-	-	0.903														
													ISQAEEEDQQLLGHLLVAK	1	1	2xTMT6plex [N-Term; K20]	-	-	0.903	2.081947327	0	2692.528551	3	898.1827393	1.899019208	97.7739409
4885381	HIST1H1B	histone H1.5	5.309734513	1	1	1	226	22.566	10.92	-	0.763	-														
													ATGPPVSELITK	1	1	2xTMT6plex [N-Term; K12]	-	0.763	-	1.021504641	0	1671.009293	2	836.0078125	-0.565436712	73.92896441
4885379	HIST1H1E	histone H1.4	14.61187215	3	8	3	219	21.852	11.03	0.664	0.427	0.393														

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													KPAAAAGAK	2	1	3xTMT6plex [N-Term; K1; K9]	-	0.279	0.222	1.467774749	0	1471.956359	3	491.3226013	-2.111995306	42.75676489
													ASGPPVSELITK	3	1	2xTMT6plex [N-Term; K12]	0.908	0.609	-	1.65294981	0	1656.993643	2	829.0006104	0.181601858	71.74935282
													ALAAAGYDVEK	3	1	2xTMT6plex [N-Term; K11]	0.541	0.438	0.622	2.087222815	0	1565.893929	2	783.4497681	-1.066270937	59.45818963
10645195	HIST1H2AE	histone H2A type 1-B/E	20	2	13	2	130	14.127	11.05	0.444	0.572	0.499														
													VTIAQGGVLPNIQAVLLPK	10	1	2xTMT6plex [N-Term; K19]	0.444	0.427	0.44	2.020115614	0	2389.494673	2	1195.249634	-1.122300838	100.3226351
													HLQLAIR	3	1	1xTMT6plex [N-Term]	-	0.664	0.695	1.662871957	0	1079.688679	3	360.5678406	0.268066639	46.04986018
10800140	HIST1H2BB	histone H2B type 1-B	34.92063492	4	16	1	126	13.942	10.32	-	0.634	-														
													ESYSIYVYK	1	1	2xTMT6plex [N-Term; K9]	-	0.634	-	0.974708676	0	1609.887781	2	805.4470215	-0.630373907	67.53085728
													QVHPDTGISSK	5	2	2xTMT6plex [N-Term; K11]	0.676	0.694	0.697	1.702891469	0	1626.921541	3	542.9788208	0.226367612	36.01419418
													LLLPGELAK	5	2	2xTMT6plex [N-Term; K9]	0.72	0.79	0.714	1.659439445	0	1411.928858	2	706.4682007	0.188753977	87.06023157
													AMGIMNSFVNDIFER	5	2	1xTMT6plex [N-Term]	0.632	0.65	0.643	2.791987896	0	1972.982219	3	658.3322144	-0.065668911	100.4023815
4504311	HIST1H4H	histone H4	38.83495146	5	12	5	103	11.36	11.36	0.673	0.834	0.915														
													TVTAMDVVYALK	3	1	2xTMT6plex [N-Term; K12]	0.658	0.696	-	2.049114466	0	1769.028314	2	885.017395	-0.452616236	94.746622
													TVTAMDVVYALK	1	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M5]	-	0.748	-	1.417121887	0	1785.023229	3	595.6800537	1.332628491	86.24281379
													TLYGFGG	1	1	1xTMT6plex [N-Term]	0.635	-	-	0.816779852	0	943.508649	2	472.2579041	-0.124603554	69.78908437
													ISGLIYEETR	2	1	1xTMT6plex [N-Term]	0.774	0.642	-	1.582930326	0	1409.783761	2	705.3951416	-0.535122404	68.941971
													DAVTYTEHAK	4	1	2xTMT6plex [N-Term; K10]	0.868	0.773	0.915	2.156861544	0	1592.868443	3	531.6279297	0.497920907	41.10897592
													RISGLIYEETR	1	1	1xTMT6plex [N-Term]	-	1.268	-	0.989741325	1	1565.884872	3	522.6325684	-1.098498303	54.45795226
238624110	HIST2H2BF	histone H2B type 2-F isoform b	32.8358209	4	16	1	134	14.832	10.35	-	0.671	-														
													QVHPDTGISSK	5	2	2xTMT6plex [N-Term; K11]	0.676	0.694	0.697	1.702891469	0	1626.921541	3	542.9788208	0.226367612	36.01419418
													LLLPGELAK	5	2	2xTMT6plex [N-Term; K9]	0.72	0.79	0.714	1.659439445	0	1411.928858	2	706.4682007	0.188753977	87.06023157
													AMGIMNSFVNDIFER	5	2	1xTMT6plex [N-Term]	0.632	0.65	0.643	2.791987896	0	1972.982219	3	658.3322144	-0.065668911	100.4023815
													ESYSVYVYK	1	1	2xTMT6plex [N-Term; K9]	-	0.671	-	1.050977945	0	1595.872131	2	798.4395752	-0.161259395	63.19062828
183076548	HIST2H3D	histone H3.2	18.38235294	3	6	3	136	15.379	11.27	1.371	1.046	0.745														
													SAPATGGVK	2	1	2xTMT6plex [N-Term; K9]	1.444	1.27	-	0.807324529	0	1245.756708	2	623.3817139	-0.446688845	31.91684722
													YRPGTVALR	3	1	1xTMT6plex [N-Term]	1.304	0.938	-	1.702917457	0	1261.757821	3	421.2570801	-0.898877428	37.18484125
													EIAQDFK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.745	0.653757215	0	1308.756373	2	654.8815308	-0.449515719	53.80377157
15991831	HK1	hexokinase-1 isoform HKI-ta/tb	19.00108578	16	30	16	921	102.672	6.76	0.636	0.674	0.645														
													NILIDFTK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.593	1.242201805	0	1421.876823	2	711.4432983	1.756410716	87.7942417
													HIDLVEGDEGR	2	1	1xTMT6plex [N-Term]	-	0.625	0.723	1.041285634	0	1468.759337	3	490.257782	-0.370654824	42.9976157
													AILQQLGLNSTCDDSILVK	2	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.62	0.637	-	1.208355427	0	2546.426395	3	849.4799194	-0.467250583	95.49809856
													FLLSESGSGK	4	1	2xTMT6plex [N-Term; K10]	0.628	0.563	0.634	1.318562627	0	1482.856815	2	741.9319458	-0.135177204	71.53899169
													GDFIALDLGGSSFR	1	1	1xTMT6plex [N-Term]	0.782	-	-	1.157814622	0	1683.890351	2	842.4503784	1.858200527	90.10171878
													TTVGVDGSLYK	3	1	2xTMT6plex [N-Term; K11]	0.597	0.74	0.571	1.156892657	0	1597.920144	3	533.3109741	-1.11068549	59.36536066
													CNVSFLLSEDGSGK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.75	-	-	1.311834216	0	1971.025748	2	986.0155029	-1.02425888	75.302618
													ASGVEGADVVK	2	1	2xTMT6plex [N-Term; K11]	-	0.678	0.637	1.606597543	0	1489.862629	3	497.2928772	0.972762031	49.94649212
													DFNPTATVK	3	1	2xTMT6plex [N-Term; K9]	0.63	0.613	0.62	1.13141799	0	1450.830601	2	725.9193115	0.51399307	55.98682677
													LVDEYSLNAGK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.795	0.940315902	0	1666.941608	2	833.9751587	0.859761857	69.06804159
													VQVNHEK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.578	1.191260219	0	1311.778506	3	437.9308777	-0.324622913	31.26817815
													GQISETLK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.574	1.24416256	0	1333.809137	2	667.4085083	0.452059853	53.30853571
													FNTSDVSAIEK	2	1	2xTMT6plex [N-Term; K11]	0.589	-	0.933	0.979353726	0	1668.920872	2	834.9656372	1.872865344	67.85401834
													IDEAILITWTK	3	1	2xTMT6plex [N-Term; K11]	0.78	-	0.722	1.601341963	0	1761.056243	2	881.0310059	-0.856481021	97.27216252
													TVCGVVSR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.827	-	1.593987346	0	1106.618945	2	553.812439	-1.214022513	34.14801598
													LSDETLIDIMTR	2	1	1xTMT6plex [N-Term]	-	0.711	-	2.353923082	0	1635.882489	3	545.9651489	-0.975071661	94.02231063
337752170	HLA-A	HLA class I histocompatibility antigen, A-1 alpha chain precursor	11.78082192	3	8	1	365	40.82	6.54	-	0.325	-														
													FDSDAASQK	1	1	2xTMT6plex [N-Term; K9]	-	0.325	-	0.781367779	0	1426.75783	2	713.8817749	-1.090924669	42.72916593
													DYIALNEDLR	6	3	1xTMT6plex [N-Term]	0.466	0.364	0.458	2.013131618	0	1450.773925	2	725.8911133	0.706783106	64.95109642
													DGEDQTQDTELVETRPAGDGTFQK	4	2	2xTMT6plex [N-Term; K24]	0.496	0.606	0.534	1.471904159	0	3095.516936	3	1032.509888	-0.590038465	55.34863654
17986001	HLA-B	major histocompatibility complex, class I, B precursor	22.9281768	6	10	1	362	40.435	5.85	-	-	0.162														
													DGEDQTQDTELVETRPAGDR	1	1	1xTMT6plex [N-Term]	-	-	0.162	1.378961205	0	2461.164019	3	821.0601196	0.725972225	39.01223617
													DYIALNEDLR	6	3	1xTMT6plex [N-Term]	0.466	0.364	0.458	2.013131618	0	1450.773925	2	725.8911133	0.706783106	64.95109642
													SWTAADTAAQITQR	1	2	1xTMT6plex [N-Term]	0.776	-	-	1.133661389	0	1748.912877	3	583.6422729	-0.34987583	58.62497433
													FDSDAASPR	1	2	1xTMT6plex [N-Term]	-	-	0.172	1.658293009	0	1194.595232	2	597.8016357	0.63856305	38.84262254
													FISVGYVDDTQFVR	1	2	1xTMT6plex [N-Term]	0.957	-	-	1.682042837	0	1874.98498	2	937.9963989	0.288765813	88.44341714
													THVTHHPISDHEATLR	6	2	1xTMT6plex [N-Term]	-	1.05	0.58	1.851644158	0	2080.08855	5	416.8232422	-0.69511584	27.94886759
339882741	HLA-C	HLA class I histocompatibility antigen, Cw-1 alpha chain	41.80327869	11	27	5	366	40.685	5.87	0.451	0.378	0.354														
													MYGCDLGPDGR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M1];	0.268	-	0.279	0.797682524	0	1485.666365	2	743.3362427	-0.77859233	38.40501905
													APWVEQEGPEYWDRETQNYK	1	1	2xTMT6plex [N-Term; K20]	-	0.236	-	1.792372346	1	2983.462657	3	995.1600952	1.030964649	73.04083195
													DYIALNEDLR	6	3	1xTMT6plex [N-Term]	0.466	0.364	0.458	2.013131618	0	1450.773925	2	725.8911133	0.706783106	64.95109642
													SWTAADTAAQITQR	1	2	1xTMT6plex [N-Term]	0.776	-	-	1.133661389	0	1748.912877	3	583.6422729	-0.34987583	58.62497433
													FDSDAASPR	1	2	1xTMT6plex [N-Term]	-	-	0.172	1.658293009	0	1194.595232	2	597.8016357	0.63856305	38.84262254
													FISVGYVDDTQFVR	1	2	1xTMT6plex [N-Term]	0.957	-	-	1.682042837	0	1874.98498	2	937.9963989	0.288765813	88.44341714
													THVTHHPISDHEATLR	6	2	1xTMT6plex [N-Term]	-	1.05	0.58	1.851644158	0	2080.08855	5	416.8232422	-0.69511584	27.94886759
													DGEDQTQDTELVETRPAGDGTFQK	4	2	2xTMT6plex [N-Term; K24]	0.496	0.606	0.534	1.471904159	0	3095.516936	3	1032.509888	-0.590038465	55.34863654
													GYDQSAYDGK	4	1	2xTMT6plex [N-Term; K10]	0.356	0.342	0.341	1.598637938	0	1561.789858	2	781.3977051	-1.104171436	40.31178014
													WAAVVVPSGQEQR	4	1	1xTMT6plex [N-Term]	0.477	0.485	-	1.426207304	0	1655.90667	2	828.4580688	1.323181646	65.76315334
													AYLEGTCVEWLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.828	-	0.793	2.115197897	0	1725.883158	3	575.9641724	-3.0093811	78.94659521
20149500	HMBS	porphobilinogen deaminase isoform 1	5.540166205	1	2	1	361	39.306	7.18	0.713	-	1.274														
													GPQLAAQNLGISLANLLLSK	2	1	2xTMT6plex [N-Term; K20]	0.713	-	1.274	1.627237678	0	2479.501215	3	827.1723022	0.459341691	106.4308785
22208967	HMGA1	high mobility group protein HMG-I/HMG-Y isoform a	29.90654206	3	16	3	107	11.669	10.32	0.283	0.255	0.267														
													QPPVSPGTALVGSQK	8	1	2xTMT6plex [N-Term; K15]	0.302	0.231	0.271	1.897724748	0	1924.126782	3	642.0479126	1.248391213	59.29706921
													EPSEVPTPK	2	1	2xTMT6plex [N-Term; K9]	-	0.278	0.263	1.129422545	0	1441.830266	2	721.4189453	0.24112755	50.9644289

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SSQPLASK	6	1	2xTMT6plex [N-Term; K8]	0.266	0.274	0.264	1.998141646	0	1275.767272	2	638.3873291	0.085707736	37.74206742
665506022	HMGA2	high mobility group protein HMGI-C isoform d	27.89115646	3	19	3	147	16.413	11.59	0.235	0.247	0.225														
													QQQEPTGEPSPK	6	1	2xTMT6plex [N-Term; K12]	0.209	0.224	0.215	1.50127399	0	1783.959048	3	595.3238525	-1.145829448	33.06503598
													GEGAGQPSTSAQGQPAAPAPQK	11	1	2xTMT6plex [N-Term; K22]	0.252	0.261	0.208	2.233328342	0	2493.309785	5	499.4685669	1.581461189	44.60951055
													AEATGEK	2	1	2xTMT6plex [N-Term; K7]	-	0.244	0.279	2.020746231	0	1163.667224	2	582.3383179	1.834925092	25.93235877
4504425	HMGB1	high mobility group protein B1	21.39534884	4	14	4	215	24.878	5.74	0.84	1.033	0.749														
													GEHPGLSIGDVAK	6	1	2xTMT6plex [N-Term; K13]	1.009	1.066	1.033	1.847330928	0	1737.989955	2	869.5002441	1.873958616	52.47202697
													LGEMWNNTAADDK	2	1	2xTMT6plex [N-Term; K13]	0.785	0.746	-	1.207715273	0	1922.968233	2	961.9868774	-0.91247851	67.50807802
													LGEMWNNTAADDK	1	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M4]	-	1.115	-	0.867116749	0	1938.963148	2	969.9851074	-0.108153809	54.71380229
													HPDASVNFSEFSK	4	1	2xTMT6plex [N-Term; K13]	0.615	0.755	0.657	1.389822721	0	1923.001248	3	641.6717529	-0.281898381	57.57727741
													GKPDAAK	1	1	3xTMT6plex [N-Term; K2; K7]	-	-	0.634	0.507943034	0	1373.871961	3	458.6289978	0.348641079	29.85601363
194688133	HMGB2	high mobility group protein B2	6.220095694	1	1	1	209	24.019	7.81	-	0.974	-														
													SEHPGLSIGDTAK	1	1	2xTMT6plex [N-Term; K13]	-	0.974	-	1.425798774	0	1769.979784	3	590.6646118	-0.283472606	53.23226424
669033286	HMGB3	high mobility group protein B3 isoform b	5.909090909	1	3	1	220	25.485	9.06	0.744	0.654	0.718														
													STNPGISIGDVAK	3	1	2xTMT6plex [N-Term; K13]	0.744	0.654	0.718	1.475807548	0	1716.98962	2	858.9994507	1.167378744	63.45501596
148298677	HMGCS1	hydroxymethylglutaryl-CoA synthase, cytoplasmic	29.23076923	15	44	15	520	57.257	5.41	1.865	1.914	1.98														
													NNLSYDCIGR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.317	2.595	1.997	1.800597072	0	1440.710279	2	720.8584595	-0.441771463	47.75884478
													VTQDATPGSALDK	4	1	2xTMT6plex [N-Term; K13]	2.307	2.391	1.766	1.704033732	0	1760.97945	3	587.6636963	-1.654734139	51.84979462
													TGVAPDVFAENMK	4	1	2xTMT6plex [N-Term; K13]	2.142	1.997	2.341	2.355028629	0	1836.992991	3	613.0011597	-2.213092871	75.11634117
													TGVAPDVFAENMK	5	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M12]	1.929	1.775	1.93	2.119282961	0	1852.987906	3	618.3344116	0.418471852	64.3087832
													YDGVDAGK	2	1	2xTMT6plex [N-Term; K8]	2.094	-	2.039	1.714055657	0	1282.704338	2	641.8566895	1.3757311	42.05959258
													ASSELFSQK	2	1	2xTMT6plex [N-Term; K9]	2.02	1.826	-	1.257843256	0	1454.825515	3	485.6138611	1.041150253	59.6840913
													IHAQWQK	2	1	2xTMT6plex [N-Term; K7]	-	2.621	2.43	1.827248096	0	1368.815226	3	456.9438782	1.35572826	44.63505101
													NSIYSGLEAFGDVK	5	1	2xTMT6plex [N-Term; K14]	1.047	1.854	1.447	1.821214914	0	1958.063513	2	979.5300903	-5.418341062	89.28407301
													MLLNDFLNDQNR	2	1	1xTMT6plex [N-Term]	0.786	0.974	-	1.629051089	0	1721.88422	2	861.4454346	-0.36439696	90.67597688
													YTIGLGQAK	3	1	2xTMT6plex [N-Term; K9]	2.206	2.261	2.213	2.010418892	0	1408.856422	2	704.9307251	-1.595616596	57.89674013
													LEDTYFDRDVEK	1	1	2xTMT6plex [N-Term; K12]	1.928	-	-	1.856666684	1	1988.037693	2	994.5220337	-0.453651956	61.98960965
													MLLNDFLNDQNRDK	1	1	2xTMT6plex [N-Term; K14]	-	-	2.918	1.288120747	1	2194.169058	3	732.0621338	1.271660075	82.15816956
													ITASLCDLK	4	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.54	1.923	2.331	1.574749351	0	1478.865272	3	493.6259766	-1.281741167	73.13769616
													DVGIVALEIYFPSQYVDQAELEK	3	1	2xTMT6plex [N-Term; K23]	1.956	1.958	-	2.298599958	0	3084.65454	3	1028.890015	0.308344192	102.4200707
													LEDTYFDR	1	1	1xTMT6plex [N-Term]	-	1.257	-	0.552904487	0	1287.641848	2	644.324707	0.224901436	59.11368285
													LEVGTETIIDK	2	1	2xTMT6plex [N-Term; K11]	-	1.107	1.116	0.938801229	0	1675.988223	2	838.496521	-1.466614012	74.40321191
48255933	HMGN1	non-histone chromosomal protein HMG-14	43	4	33	4	100	10.653	9.6	0.717	0.615	0.57														
													TEESPASDEAGEK	11	1	2xTMT6plex [N-Term; K13]	0.724	0.73	0.65	1.897752404	0	1807.896173	3	603.302002	-2.611184588	33.22761948
													QAEVANQETK	10	1	2xTMT6plex [N-Term; K10]	0.595	0.568	0.534	1.831310153	0	1575.874256	2	788.4401855	-0.737270912	31.0684223
													VSSAEGAAK	3	1	2xTMT6plex [N-Term; K9]	-	0.414	0.397	1.460928321	0	1277.746537	2	639.3764648	-0.691617997	32.34577756
													EDLPAENGETK	9	1	2xTMT6plex [N-Term; K11]	0.724	0.605	0.603	1.898568988	0	1660.879401	2	830.9415894	-2.106786959	44.52417479
5031749	HMGN2	non-histone chromosomal protein HMG-17	22.22222222	2	7	2	90	9.387	9.99	0.537	0.619	0.517														
													AEGAGDAK	2	1	2xTMT6plex [N-Term; K8]	-	0.71	-	1.749083042	0	1176.662473	3	392.8934021	2.702728184	36.46593695
													EGNNPAENGDAK	5	1	2xTMT6plex [N-Term; K12]	0.537	0.536	0.517	2.109894276	0	1673.849498	3	558.62146	0.196297703	31.60879945
318067961	HMGN3	high mobility group nucleosome-binding domain-containing protein	9.230769231	1	2	1	130	13.948	9.91	-	0.861	0.639														
													EGTAPSENGETK	2	1	2xTMT6plex [N-Term; K12]	-	0.861	0.639	1.220253348	0	1677.869565	2	839.4371948	-1.461228938	29.84138783
10835240	HMGN4	high mobility group nucleosome-binding domain-containing protein	26.66666667	3	3	3	90	9.533	10.48	0.443	0.483	-														
													DASTLQSQK	1	1	2xTMT6plex [N-Term; K9]	-	0.352	-	1.454351902	0	1435.815679	2	718.4118042	0.454723017	36.67881067
													AEGTGDAK	1	1	2xTMT6plex [N-Term; K8]	0.443	-	-	0.703591585	0	1206.673038	2	603.840332	0.289997778	26.0293462
													DGNNPAK	1	1	2xTMT6plex [N-Term; K7]	-	0.598	-	1.652020216	0	1173.662807	2	587.3349609	-0.137999602	23.73005345
555943918	HMOX2	heme oxygenase 2 isoform a	1.891891892	1	1	1	370	41.643	5.44	-	0.67	-														
													NSGALEK	1	1	2xTMT6plex [N-Term; K7]	-	0.67	-	1.452528954	0	1176.698858	2	588.854126	1.799069583	33.93890426
50345294	HN1	hematological and neurological expressed 1 protein isoform 2	16.57458564	3	6	3	181	19.904	8.32	1.558	1.263	-														
													NSSEASSGDFLDLK	2	1	2xTMT6plex [N-Term; K14]	1.667	1.683	-	1.824005723	0	1928.001307	3	643.3394165	1.239180549	70.9457093
													SSGGREDLESSGLQR	3	1	1xTMT6plex [N-Term]	1.276	1.148	-	1.391352057	1	1806.914334	3	602.9753418	-1.583815746	30.09412876
													RNSSEASSGDFLDLK	1	1	2xTMT6plex [N-Term; K15]	-	0.995	-	1.727434754	1	2084.102418	3	695.3731689	1.216593731	55.91222237
21700763	HN1L	hematological and neurological expressed 1-like protein	31.05263158	5	11	5	190	20.051	9.26	1.042	0.935	1.175														
													SIPAGAEPGEK	4	1	2xTMT6plex [N-Term; K11]	1.192	1.239	1.338	1.552947402	0	1513.862629	2	757.4353027	0.462253798	45.3758416
													EQEPMPTVDSHEPR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	0.677	0.732	0.564	1.104260445	0	1896.895907	3	632.9698486	-0.482088426	30.33640618
													DHVFLCEGEEPK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.897	-	-	1.760231137	0	1917.97807	3	639.9970093	-0.831650786	51.7893567
													VLNPPGGK	2	1	2xTMT6plex [N-Term; K8]	-	0.856	1.141	1.09411788	0	1239.782528	2	620.3942261	-1.091249095	51.04013427
													TSDIFGSPVTATSR	1	1	1xTMT6plex [N-Term]	0.6	-	-	0.938819885	0	1667.88018	2	834.4425049	-1.467290279	61.4255784
5803036	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0	5.901639344	2	2	1	305	30.822	9.29	-	-	0.187														
													EDSARPGAHAK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.187	1.137156367	0	1596.885824	4	399.9771423	0.573219402	21.42950349
													IFVGGIK	3	4	2xTMT6plex [N-Term; K7]	1.056	-	-	1.51313746	0	1191.786551	2	596.3977661	1.430093804	72.58527391
14043070	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 isoform b	38.17204301	11	40	9	372	38.723	9.13	0.849	0.883	0.877														
													IFVGGIK	3	4	2xTMT6plex [N-Term; K7]	1.056	-	-	1.51313746	0	1191.786551	2	596.3977661	1.430093804	72.58527391
													NQGGYGGSSSSSSYGSGR	5	1	1xTMT6plex [N-Term]	0.833	0.451	0.919	1.866686821	0	1923.863027	3	641.958252	-1.467880294	25.51016288
													GFGFVTYATVEEVDAAMNARPHK	2	1	2xTMT6plex [N-Term; K23]	0.977	-	0.633	1.3345263	0	2968.539133	4	742.8890991	-1.538189467	94.04179867
													YHTVNGHNCEVR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.022	0.974	2.050306559	0	1714.828102	3	572.2804565	-0.749947527	24.93666063
													QEMASASSSQR	2	1	1xTMT6plex [N-Term]	1.022	1.173	-	0.882395029	0	1410.684458	2	705.8457642	-0.145971473	22.47593529
													QEMASASSSQR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	1.616	-	-	0.664049923	0	1426.679373	3	476.2313843	0.159084119	17.16688274
													EDSQRPGAHLTVK	4	1	2xTMT6plex [N-Term; K13]	0.868	0.85	0.892	1.977601647	0	1896.07033	3	632.6948242	-0.21667643	43.74563583
													DYFEQYGK	4	1	2xTMT6plex [N-Term; K8]	-	0.943	0.913	1.611527205	0	1507.783316	2	754.3965454	1.656763466	58.06394939
													GFAFVTFDDHDSVDK	4	1	2xTMT6plex [N-Term; K15]	0.722	0.434	0.716	1.774988413	0	2158.085705	3	720.0303955	-4.203793454	79.12659523
													LFIGGLSFETTDESLR	9	1	1xTMT6plex [N-Term]	0.884	0.938	0.969	2.272714615	0	2014.069438	2	1007.531738	-6.572587445	96.49630163

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IEVIEIMTDR	1	1	1xTMT6plex [N-Term]	0.962	-	-	1.22196734	0	1447.802782	2	724.4049683	-0.084242525	91.03459508
													EDTEEHHLR	2	2	1xTMT6plex [N-Term]	1.305	1.113	-	1.308662057	0	1394.686172	3	465.5666809	-0.489519007	27.53268933
14043072	HNRNPA2B1	heterogeneous nuclear ribonucleoproteins A2/B1 isoform B1	51.55807365	17	60	15	353	37.407	8.95	1.114	1.333	1.024														
													IFVGGIK	3	4	2xTMT6plex [N-Term; K7]	1.056	-	-	1.51313746	0	1191.786551	2	596.3977661	1.430093804	72.58527391
													EDTEEHHLR	2	2	1xTMT6plex [N-Term]	1.305	1.113	-	1.308662057	0	1394.686172	3	465.5666809	-0.489519007	27.53268933
													GGGGNFGPGPGSNFR	4	1	1xTMT6plex [N-Term]	0.731	1.047	0.801	1.532971859	0	1606.792369	3	536.2688599	-0.212983434	45.04472887
													IDTIEIITDR	5	1	1xTMT6plex [N-Term]	1.285	1.229	1.343	1.455285668	0	1417.809976	2	709.409668	1.46959574	82.28150909
													GGSDGYGSGR	1	1	1xTMT6plex [N-Term]	-	1.262	-	1.754127979	0	1141.543531	2	571.2753906	-0.02295138	20.14716365
													NMGGPYGGGNYGPGGSGGSGGYGGR	3	1	1xTMT6plex [N-Term]	-	0.779	0.984	1.652471781	0	2419.068285	2	1210.033325	-3.683736185	45.86946122
													NMGGPYGGGNYGPGGSGGSGGYGGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M2]	-	0.819	-	0.891819715	0	2435.0632	3	812.3587036	-0.674475372	39.10689191
													RGFGFVTFDDHDPVDK	2	1	2xTMT6plex [N-Term; K16]	1.517	1.612	-	0.640933216	1	2310.191902	4	578.3034058	-0.047014763	68.11574713
													YHTINGHNAEVR	6	1	1xTMT6plex [N-Term]	1.237	1.088	1.166	1.884937167	0	1639.850218	4	410.7179565	-0.135059972	25.45548519
													EESGKPGAHVTVK	3	1	3xTMT6plex [N-Term; K5; K13]	1.006	2.643	1.714	1.38901186	0	2026.19	3	676.0674438	-1.096736748	35.84985696
													NYYEQWGK	2	1	2xTMT6plex [N-Term; K8]	1.188	-	1.09	0.977167964	0	1545.8102	2	773.4071045	-2.113620175	53.88357567
													LTDCVVMRDPASK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	-	1.118	1.216441274	1	1950.055274	3	650.6908569	1.406842574	56.88035825
													DYFEEYGK	3	1	2xTMT6plex [N-Term; K8]	0.787	1.239	-	1.847837567	0	1508.767332	2	754.8867188	-0.776030853	59.72397193
													LFIGGLSFETTEESLR	15	1	1xTMT6plex [N-Term]	0.967	0.936	0.976	2.207342386	0	2028.085088	2	1014.544067	-2.085466927	96.98161409
													GFGFVTFDDHDPVDK	2	1	2xTMT6plex [N-Term; K15]	-	1.029	0.676	1.071072578	0	2154.090791	3	718.7021484	0.511233094	81.05646348
													QEMQEVQSSR	2	1	1xTMT6plex [N-Term]	-	0.689	0.737	1.47883606	0	1450.715758	2	725.8596191	-2.616693677	29.42376697
													QEMQEVQSSR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	0.956	0.901	1.047	1.394709945	0	1466.710673	3	489.574646	-0.878156642	23.37635785
													GGNFGFGDSR	1	1	1xTMT6plex [N-Term]	-	0.895	-	1.478745461	0	1242.606465	2	621.8071899	0.513294297	48.11430184
													LTDCVVMR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.92	-	0.881068289	0	1222.64853	2	611.8278198	-0.136819011	57.14984207
34740329	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	14.81481481	6	9	5	378	39.571	9.01	0.642	0.739	0.757														
													RGEEGHDPK	1	1	2xTMT6plex [N-Term; K9]	0.606	-	-	0.837584555	1	1482.806511	3	494.9404602	0.213227574	18.18455736
													GEEGHDPK	3	1	2xTMT6plex [N-Term; K8]	0.757	0.741	-	1.970196605	0	1326.7054	3	442.9066162	-0.079028236	22.62953462
													LFIGGLSFETTDDSLREHFEK	1	1	2xTMT6plex [N-Term; K21]	0.392	-	-	2.375533342	1	2899.524194	4	725.6343384	-2.990336964	91.27355141
													IETIEVMEDR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	-	0.745	-	1.043226957	0	1479.756226	2	740.3822021	0.609375287	53.60176431
													EDTEEYNLR	2	1	1xTMT6plex [N-Term]	-	0.725	0.757	2.166417122	0	1397.674604	2	699.3410645	0.177334731	38.84071337
													IFVGGIK	3	4	2xTMT6plex [N-Term; K7]	1.056	-	-	1.51313746	0	1191.786551	2	596.3977661	1.430093804	72.58527391
55956919	HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B isoform a	19.27710843	6	19	5	332	35.945	6.95	0.631	0.569	0.678														
													FGEVVDCTIK	16	3	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.855	0.629	0.67	2.246462345	0	1625.8973	2	813.4509888	-1.598742391	75.01176362
													EVYQQQQYGSGGR	3	1	1xTMT6plex [N-Term]	0.886	0.807	0.837	1.276888251	0	1728.850277	2	864.9272461	-1.770941382	32.40730492
													MFVGGLSWDTSK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.708	0.555327117	0	1785.960963	3	595.9920044	0.278333964	90.6168037
													IFVGGLNPEATEEK	4	1	2xTMT6plex [N-Term; K14]	0.56	0.565	-	1.695207953	0	1962.094814	3	654.7034912	0.564072034	82.29710571
													DAASVEK	1	1	2xTMT6plex [N-Term; K7]	-	0.46	-	1.820743442	0	1177.682874	2	589.3439941	-1.836044998	34.30477745
													FHTVSGSK	2	1	2xTMT6plex [N-Term; K8]	-	0.617	0.503	1.68259263	0	1320.767607	2	660.8884888	1.585675672	33.69352365
117189975	HNRNPC	heterogeneous nuclear ribonucleoproteins C1/C2 isoform a	33.9869281	11	26	11	306	33.65	5.08	0.585	0.613	0.642														
													MIAGQVLDINLAAEPK	1	1	2xTMT6plex [N-Term; K16]	0.502	-	-	1.000867963	0	2141.240432	3	714.4194336	1.548439494	93.7136962
													MIAGQVLDINLAAEPK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M1]	-	0.729	-	0.952633679	0	2157.235347	3	719.7498779	-0.123496464	89.60611721
													SEEEQSSSSVK	3	1	2xTMT6plex [N-Term; K11]	0.632	0.994	0.582	1.341581106	0	1654.85358	2	827.9295044	-1.116824449	28.83696121
													VPPPPPIAR	1	1	1xTMT6plex [N-Term]	0.445	-	-	0.765796959	0	1172.735295	2	586.8712158	-0.119242062	54.54961872
													GFAFVQYVNER	2	1	1xTMT6plex [N-Term]	0.661	-	0.647	1.801618576	0	1558.821543	2	779.9127197	-2.168719626	76.48118959
													VFIGNLNTLVVK	4	1	2xTMT6plex [N-Term; K12]	0.482	0.455	0.467	1.939264297	0	1775.119512	2	888.0615234	-2.10810313	95.59542488
													GDDLQAIK	1	1	2xTMT6plex [N-Term; K8]	-	0.463	-	0.977904439	0	1317.777837	2	659.3928833	0.495593069	51.99971626
													AAVAGEDGR	1	1	1xTMT6plex [N-Term]	-	0.651	-	0.943353295	0	1074.574103	2	537.7908936	0.379470689	33.910835
													VDSLLENLEK	4	1	2xTMT6plex [N-Term; K10]	0.516	0.6	0.493	1.473705888	0	1617.946359	2	809.4768066	-0.013571989	91.44416046
													SDVEAIFSK	4	1	2xTMT6plex [N-Term; K9]	0.548	0.583	0.727	1.915876865	0	1453.830266	3	485.2812805	-0.672731397	74.32599939
													KSDVEAIFSK	3	1	3xTMT6plex [N-Term; K1; K10]	0.807	0.822	0.838	1.468703628	1	1811.088161	3	604.3676758	0.172710394	67.45110362
													IVGCSVHK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	0.756	1.072184443	0	1357.802612	3	453.272583	0.429770448	44.75705355
14110414	HNRNPD	heterogeneous nuclear ribonucleoprotein D0 isoform c	24.18300654	7	24	6	306	32.814	8.16	0.774	0.633	0.761														
													NEEDEGHSNSSPR	2	1	1xTMT6plex [N-Term]	0.831	-	0.743	0.677946627	0	1686.751685	3	562.9217529	-0.580892224	16.77359577
													MFIGGLSWDTTK	4	1	2xTMT6plex [N-Term; K12]	0.771	0.716	0.757	1.173679233	0	1813.992263	3	605.3361816	0.952987458	93.66267955
													IFVGGLSPDTPEEK	5	1	2xTMT6plex [N-Term; K14]	0.771	0.76	0.804	1.100788355	0	1947.083915	2	974.0454712	-0.127794794	78.64085391
													ESESVDK	2	1	2xTMT6plex [N-Term; K7]	-	-	0.773	1.614765763	0	1251.683268	3	417.900177	2.165049202	34.30859813
													YHNVGLSK	1	1	2xTMT6plex [N-Term; K8]	-	0.592	-	1.62875092	0	1375.809806	3	459.2747498	-0.079765692	47.13577575
													GGDQQSGYGK	2	1	2xTMT6plex [N-Term; K10]	-	0.477	0.536	1.395792603	0	1454.763978	2	727.8873901	2.423749482	29.0150185
													FGEVVDCTIK	16	3	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.855	0.629	0.67	2.246462345	0	1625.8973	2	813.4509888	-1.598742391	75.01176362
14110407	HNRNPDL	heterogeneous nuclear ribonucleoprotein D-like isoform a	11.19047619	5	13	4	420	46.409	9.57	-	0.939	0.966														
													YHQIGSGK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.932	1.474991918	0	1347.778506	3	449.9309692	-0.112166172	29.63628051
													DAASVDK	2	1	2xTMT6plex [N-Term; K7]	-	0.939	0.949	1.292309046	0	1163.667224	2	582.3375854	0.576108379	33.8446954
													DLTEYLSR	1	1	1xTMT6plex [N-Term]	-	0.939	-	1.163868308	0	1225.662583	2	613.3347778	-0.248246085	64.86504424
													GFCFITYTDEEPVK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	-	1.107	0.727544129	0	2164.103664	3	722.0372314	-3.014145843	88.887166
													FGEVVDCTIK	16	3	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.855	0.629	0.67	2.246462345	0	1625.8973	2	813.4509888	-1.598742391	75.01176362
4826760	HNRNPF	heterogeneous nuclear ribonucleoprotein F	21.20481928	6	23	4	415	45.643	5.58	1.11	1.136	1.148														
													QSGEAFVELGSEDDVK	2	1	2xTMT6plex [N-Term; K16]	0.961	0.949	-	1.259482622	0	2168.112314	3	723.3771973	2.179106149	67.27423577
													ITGEAFVQFASQELAEK	6	1	2xTMT6plex [N-Term; K17]	1.103	1.063	1.104	1.916526198	0	2326.269483	3	776.0952759	0.769922286	97.80952176
													HSGPNSADSANDGFVR	4	1	1xTMT6plex [N-Term]	1.286	1.243	1.297	1.515531182	0	1859.883368	2	930.4460449	0.776937831	29.55285581
													YIEVFK	1	1	2xTMT6plex [N-Term; K6]	-	1.184	-	1.409266472	0	1256.765481	2	628.8857422	-1.013438878	72.79853701
													ATENDIYNFFSPLNPVR	8	2	1xTMT6plex [N-Term]	1.014	1.074	1.025	2.826461315	0	2226.139248	3	742.7189331	1.346562848	96.56050281
													VHIEIGPDGR	2	2	1xTMT6plex [N-Term]	1.499	-	1.201	1.84531796	0	1321.742565	3	441.2522888	-0.190464413	48.41823901
5031753	HNRNPH1	heterogeneous nuclear ribonucleoprotein H	22.27171492	7	22	4	449	49.198	6.3	1.09	0.993	0.632														
													GLPWSCSADEVQR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.82	0.878	1.330090404	0	1733.847835	2	867.4257202	-2.117227498	65.17194801

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													EGRPSGEAFVELESEDEVK	1	1	2xTMT6plex [N-Term; K19]	-	1.227	-	1.601412773	0	2565.308447	3	855.7703247	-4.688145364	63.48073832
													GLPFGCSK	2	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.914	0.987	-	0.991382062	0	1323.749514	2	662.3790894	1.048567665	65.03630297
													ATENDIYNFFSPLNPVR	8	2	1xTMT6plex [N-Term]	1.014	1.074	1.025	2.826461315	0	2226.139248	3	742.7189331	1.346562848	96.56050281
													VHIEIGPDGR	2	2	1xTMT6plex [N-Term]	1.499	-	1.201	1.84531796	0	1321.742565	3	441.2522888	-0.190464413	48.41823901
													HTGPNSPDTANDGFVR	4	1	1xTMT6plex [N-Term]	0.725	0.776	0.71	1.571410179	0	1913.930318	3	638.6488647	0.900031869	34.01512289
													STGEAFVQFASQEIAEK	3	1	2xTMT6plex [N-Term; K17]	1.309	0.974	0.389	1.382689357	0	2300.217448	3	767.4099121	-0.984551211	92.38935049
14141157	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 isoform a	10.98265896	3	9	2	346	36.903	6.87	0.651	0.78	0.925														
													HNGPNDASDGTVR	2	1	1xTMT6plex [N-Term]	0.769	0.706	-	1.311471701	0	1568.761462	3	523.5922852	0.535402462	27.77621152
													ATENDIANFFSPLNPIR	5	1	1xTMT6plex [N-Term]	0.643	0.799	0.925	1.79271102	0	2148.128684	3	716.7120972	-3.233286789	96.62198165
													GLPFGCSK	2	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.914	0.987	-	0.991382062	0	1323.749514	2	662.3790894	1.048567665	65.03630297
970949444	HNRNPK	heterogeneous nuclear ribonucleoprotein K isoform d	32.5	11	32	11	440	48.532	5.54	0.994	0.986	0.852														
													HESGASIK	2	1	2xTMT6plex [N-Term; K8]	-	0.779	0.79	2.666426897	0	1286.746871	3	429.5878296	1.604332272	25.39638053
													RPAEDMEEEQAFK	3	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M6]	-	1.531	1.502	1.709030271	0	2054.026476	3	685.3461914	-1.195423369	38.3931696
													DLAGSIIGK	3	1	2xTMT6plex [N-Term; K9]	0.746	0.715	0.771	1.912166953	0	1331.829872	2	666.4192505	1.01505199	68.09293534
													GSYGDLGGPIITTQVTIPK	4	1	2xTMT6plex [N-Term; K19]	0.743	0.736	0.729	1.273975849	0	2375.358633	4	594.59552	0.680961646	90.13769711
													IILDLISESPIK	5	1	2xTMT6plex [N-Term; K12]	1.424	1.411	1.348	1.328621745	0	1799.129408	2	900.0684814	0.154497294	102.8290056
													ENTQTTIK	1	1	2xTMT6plex [N-Term; K8]	-	1.275	-	1.441587806	0	1392.809865	2	696.9086304	0.085347032	34.58306368
													TDYNASVSVPDSSGPER	2	1	1xTMT6plex [N-Term]	-	0.93	1.063	1.527531624	0	2009.961344	2	1005.48584	1.522137483	47.71109689
													IITITGTQDQIQNAQYLLQNSVK	8	1	2xTMT6plex [N-Term; K23]	0.707	0.701	0.785	2.623603344	0	3047.71412	3	1016.578064	1.810712657	95.98183404
													IDEPLEGSEDR	1	1	1xTMT6plex [N-Term]	-	0.827	-	1.487248659	0	1488.737933	2	744.87323	0.83993355	48.53078224
													NLPLPPPPPR	1	1	1xTMT6plex [N-Term]	-	-	0.877	0.488500059	0	1423.862286	3	475.2918396	-0.927492205	66.24198203
													IIPTLEEYQHYK	2	1	2xTMT6plex [N-Term; K12]	1.223	1.215	-	1.370983005	0	1992.120634	3	664.7128906	1.748962859	80.2811708
52632383	HNRNPL	heterogeneous nuclear ribonucleoprotein L isoform a	5.942275042	1	2	1	589	64.092	8.22	-	0.763	0.848														
													TDNAGDQHGGGGGGGGGAGAAGGGGGGENYDDPHK	2	1	2xTMT6plex [N-Term; K35]	-	0.763	0.848	1.680205703	0	3439.528397	4	860.6383057	0.870894467	29.2251445
14141152	HNRNPM	heterogeneous nuclear ribonucleoprotein M isoform a	6.02739726	4	6	4	730	77.464	8.7	0.746	0.787	0.828														
													AFITNIPFDVK	1	1	2xTMT6plex [N-Term; K11]	0.631	-	-	1.526605844	0	1723.019464	2	862.0142212	0.987645728	95.06477163
													GEGERPAQNEK	1	1	2xTMT6plex [N-Term; K11]	-	0.778	-	1.138590097	0	1672.901868	3	558.3056641	0.341279731	32.77405134
													FESPEVAER	1	1	1xTMT6plex [N-Term]	0.801	-	-	1.210124493	0	1292.668397	2	646.8378906	0.083308295	46.93438301
													LGSTVFVANLDYK	3	1	2xTMT6plex [N-Term; K13]	0.82	0.815	0.828	2.064644575	0	1885.083521	3	629.032959	0.425961564	90.32193835
156151394	HNRNPR	heterogeneous nuclear ribonucleoprotein R isoform 1	11.00628931	7	15	3	636	71.17	8.13	1.057	0.832	0.931														
													TGYTLDVTTGQR	4	2	1xTMT6plex [N-Term]	-	0.857	0.855	2.145818233	0	1540.816852	3	514.2772217	0.168643705	50.2777081
													EAAQEAVK	3	2	2xTMT6plex [N-Term; K8]	0.922	0.898	0.872	1.369141221	0	1303.762187	2	652.3853149	0.894659183	34.60528003
													GFCFLEYEDHK	2	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.856	-	0.83	1.613737822	0	1902.946041	3	634.9870605	0.308506186	71.56184652
													ENILEEFSK	2	1	2xTMT6plex [N-Term; K9]	-	0.796	0.785	2.45504427	0	1566.877945	3	522.9645386	0.713343793	80.67416688
													NLATTVTEEILEK	2	1	2xTMT6plex [N-Term; K13]	1.057	0.86	-	1.136406898	0	1919.110129	2	960.0623779	3.829863259	94.53587693
													SFSEFGK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.055	0.713531613	0	1259.703609	2	630.3555908	0.234674746	56.76403775
													ADGYNQPDSK	1	2	2xTMT6plex [N-Term; K10]	-	0.666	-	1.581848621	0	1552.800757	2	776.9022827	-2.233538525	32.89520284
14141161	HNRNPU	heterogeneous nuclear ribonucleoprotein U isoform b	4.094292804	4	7	4	806	88.924	5.78	0.51	0.634	0.917														
													QGQQQAGGDGK	3	1	2xTMT6plex [N-Term; K11]	0.5	0.536	-	1.754181266	0	1531.822889	3	511.2793884	0.471695003	22.68933105
													FIEIAAR	1	1	1xTMT6plex [N-Term]	0.594	-	-	0.895181417	0	1048.635246	2	524.8209839	-0.52958983	62.19528331
													HAAENPGK	1	1	2xTMT6plex [N-Term; K8]	-	0.795	-	1.151096225	0	1281.731555	2	641.3690796	-0.52499317	22.22421507
													AVVVCPK	2	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	0.921	0.917	1.51097405	0	1230.764436	2	615.8848877	-1.573907499	50.72066074
21536326	HNRNPUL1	heterogeneous nuclear ribonucleoprotein U-like protein 1 isoform a	1.051401869	1	2	1	856	95.679	6.92	-	0.827	0.686														
													QENESGYER	2	1	1xTMT6plex [N-Term]	-	0.827	0.686	1.6283499	0	1340.627989	2	670.817749	0.173655091	22.103175
118601081	HNRNPUL2	heterogeneous nuclear ribonucleoprotein U-like protein 2	4.149933066	2	4	2	747	85.052	4.91	0.665	0.622	0.739														
													EEPFFPPPEEFVFIHAVPVEER	3	1	1xTMT6plex [N-Term]	0.665	0.68	0.739	1.882693052	0	2870.460248	3	957.4926758	1.123911663	98.53573289
													EEAQPIVTK	1	1	2xTMT6plex [N-Term; K9]	-	0.61	-	1.004495502	0	1472.872465	2	736.9400024	0.178408395	49.45706003
4826762	HP	haptoglobin isoform 1 preproprotein	40.64039409	16	72	16	406	45.177	6.58	0.752	0.755	0.778														
													GSFPWQAK	2	1	2xTMT6plex [N-Term; K8]	-	0.893	0.911	0.968155742	0	1378.788342	2	689.8980103	0.291428206	65.41656288
													VMPICLPSK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M2]; 1xCarbamidomethyl	-	0.58	-	2.010930538	0	1518.878814	3	506.9640808	-0.740545163	68.53881294
													ILGGHLDAK	2	1	2xTMT6plex [N-Term; K9]	-	0.709	0.793	1.775639892	0	1381.856756	2	691.4318848	-0.19034444	55.75511307
													QLVEIEK	4	1	2xTMT6plex [N-Term; K7]	-	0.753	0.745	1.822384834	0	1316.818973	3	439.6106873	-1.112478216	60.76538635
													SCAVAEYGVYVK	7	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.867	0.743	0.88	1.697755933	0	1803.971528	2	902.4890137	-0.430764143	65.13536908
													DIAPTLTLYVGK	5	1	2xTMT6plex [N-Term; K12]	0.677	0.696	0.692	1.629423976	0	1749.056243	2	875.0291748	-2.956120276	88.31219993
													LRTEGDGVYTLNDK	2	1	2xTMT6plex [N-Term; K14]	0.681	0.726	-	1.68929255	1	2039.11734	3	680.3772583	-0.057994532	53.21305081
													TEGDGVYTLNDK	5	1	2xTMT6plex [N-Term; K12]	0.807	0.832	0.776	1.933905005	0	1769.932165	2	885.4691162	-0.683200265	54.15061199
													TEGDGVYTLNNEK	6	1	2xTMT6plex [N-Term; K13]	0.713	0.748	0.705	2.109994173	0	1897.990742	2	949.4996338	0.657799902	51.90108411
													LRTEGDGVYTLNNEK	6	1	2xTMT6plex [N-Term; K15]	0.739	0.824	0.723	1.645205736	1	2167.175917	3	723.0634155	-0.103368613	51.13681703
													SPVGVQPILNEHTFCAGMSK	4	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	0.909	0.829	0.953	1.258280277	0	2630.383484	3	877.4666748	0.75537049	74.56764105
													SPVGVQPILNEHTFCAGMSK	3	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M18];	0.61	0.529	-	1.227408409	0	2646.378399	3	882.7967529	-1.017885779	67.61622923
													YVMLPVADQDQCIR	7	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.954	0.771	0.899	1.385061741	0	1936.98222	3	646.3322144	-0.067049451	75.24702855
													YVMLPVADQDQCIR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M3];	0.738	0.746	-	2.074995756	0	1952.977135	3	651.6636353	-0.400505601	69.0616441
													HYEGSTVPEK	4	1	2xTMT6plex [N-Term; K10]	-	0.742	0.758	1.758651495	0	1604.868443	2	802.9360352	-2.273705061	33.46035234
													VTSIQDWVQK	7	1	2xTMT6plex [N-Term; K10]	0.778	0.806	0.83	2.07092762	0	1661.962677	3	554.65979	1.287301584	79.50829069
													VVLHPNYSQVDIGLIK	3	1	2xTMT6plex [N-Term; K16]	0.708	0.666	0.714	2.426123381	0	2253.337109	3	751.7836914	-0.261177632	83.34810761
													VGYVSGWGR	1	1	1xTMT6plex [N-Term]	-	0.979	-	0.973483264	0	1209.657773	2	605.3326416	0.193272122	58.13324827
56676330	HP1BP3	heterochromatin protein 1-binding protein 3	1.98915009	1	1	1	553	61.169	9.67	-	0.882	-														
													SSAVDPEPQVK	1	1	2xTMT6plex [N-Term; K11]	-	0.882	-	1.441870213	0	1614.910307	3	538.9733887	-2.907099145	82.4375004
4504483	HPRT1	hypoxanthine-guanine phosphoribosyltransferase	26.60550459	5	16	5	218	24.564	6.68	1.751	1.519	1.756														
													VIGGDDLSTLTGK	2	1	2xTMT6plex [N-Term; K13]	1.485	1.052	-	1.493749499	0	1734.004936	2	867.5058594	-0.284849247	77.59443308
													FFADLLDYIK	4	1	2xTMT6plex [N-Term; K10]	1.985	1.826	1.911	1.969643474	0	1702.982016	3	568.3319092	-0.494204243	105.1806014
													SYCNDQSTGDIK	6	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	2.004	1.85	1.617	1.907423496	0	1845.905299	3	615.9729004	-0.62338416	40.11922472

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NVLIVEDIIDTGK	3	1	2xTMT6plex [N-Term; K13]	1.726	1.813	1.766	1.537234426	0	1887.1203	2	944.0654297	1.739499596	96.37091856
													TMQTLLSLVR	1	1	1xTMT6plex [N-Term]	-	1.057	-	0.838947713	0	1390.828937	2	695.9192505	1.644527592	94.28068543
11321561	HPX	hemopexin precursor	67.0995671	23	157	23	462	51.643	7.02	0.773	0.803	0.779														
													GEVPPRYPR	2	1	1xTMT6plex [N-Term]	0.743	1.528	-	1.823030591	1	1299.737086	3	433.9171143	-0.227866517	32.11307552
													VDGALCMEK	5	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.848	0.915	0.83	1.320522308	0	1480.790392	2	740.8982544	-0.783575409	59.54360524
													VDGALCMEK	5	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M7]; 1xCarbamidomethyl	0.55	0.901	0.609	1.128950715	0	1496.785307	3	499.5990906	-1.729707976	47.66165322
													DYFMPCPGR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.814	0.784	0.767	1.119805336	0	1371.638694	2	686.3218994	-1.583268163	61.89669717
													DYFMPCPGR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M4];	-	0.577	0.586	1.202019095	0	1387.633609	3	463.2171631	2.397699069	48.52652001
													FDPVRGEVPPR	10	1	1xTMT6plex [N-Term]	1.089	0.956	0.764	1.570450664	1	1497.837528	3	499.9510193	0.65207428	50.71668499
													WDRELISER	2	1	1xTMT6plex [N-Term]	0.705	0.879	-	1.420409441	1	1432.774593	3	478.2640686	2.135200164	51.20033124
													SWPAVGNCSSALR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.974	1.313445449	0	1633.831791	2	817.4193115	-0.272006658	55.70520564
													EVGTPHGIILDSVDAAFICPGSSR	16	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.752	0.752	0.753	2.159040451	0	2727.39733	2	1364.204468	1.587050345	89.2288473
													ALPQPQNVTSLLGCTH	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.663	-	-	1.713316321	0	1965.042512	3	655.6830444	-4.036380471	85.75914428
													RLWWLDLK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.099	1.429833293	1	1587.97754	3	529.9973145	-0.094239762	90.97463468
													NFPSPVDAAFR	12	1	1xTMT6plex [N-Term]	0.745	0.763	0.685	1.664968371	0	1449.76878	2	725.3892212	1.6458437	69.56569382
													SLGPNSCSANGPGLYLIHGPNLYCYSDVEK	3	1	2xTMT6plex [N-Term; K30]; 2xCarbamidomethyl	0.755	0.795	-	1.101020932	0	3740.845287	3	1247.622559	2.09449754	89.13693877
													EWFWDLATGTMK	9	1	2xTMT6plex [N-Term; K12]	0.964	1.021	1.027	1.894831419	0	1943.013727	2	972.0106812	0.184782373	99.44843116
													EWFWDLATGTMK	1	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M11]	-	-	0.731	0.952157497	0	1959.008642	2	980.0073242	-0.648201582	96.30781558
													YYCFQGNQFLR	10	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.799	0.89	0.739	1.962975979	0	1724.841627	3	575.6184082	-0.554201968	72.19422205
													VWVYPPEK	6	1	2xTMT6plex [N-Term; K8]	0.781	0.795	0.796	1.409451723	0	1475.866258	2	738.4365845	-0.247769529	73.2670903
													LLQDEFPGIPSPLDAAVECHR	13	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.913	0.911	0.944	2.043530464	0	2593.328188	3	865.112793	-1.682260568	94.34574057
													GEFVWK	2	1	2xTMT6plex [N-Term; K6]	-	0.804	-	1.770281315	0	1223.718866	2	612.3632813	0.343444897	68.59983161
													SGAQATWTELPWPHEK	23	1	2xTMT6plex [N-Term; K16]	0.79	0.809	0.801	2.580698013	0	2296.212637	2	1148.608276	-1.463769326	74.50929665
													GGYTLVSGYPK	10	1	2xTMT6plex [N-Term; K11]	0.764	0.729	0.759	1.950828791	0	1599.914665	3	533.9753418	-1.995418534	62.32511854
													GGYTLVSGYPKR	2	1	2xTMT6plex [N-Term; K11]	0.784	0.797	-	0.994861543	1	1756.015776	3	586.0100708	-0.066313559	52.5513981
													QGHNSVFLIK	6	1	2xTMT6plex [N-Term; K10]	0.658	0.656	0.668	2.69395256	0	1600.957533	2	800.982666	0.326605322	60.17923432
													GECQAEGVLFFQGDR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.733	0.807	0.952	1.866249204	0	1941.932627	3	647.9804077	-3.067575768	72.45621036
													CSPHLVLSALTSDNHGATYAFSGTHYWR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.593	-	-	1.509327769	0	3377.632309	5	676.3306274	-2.450892285	74.17702399
													DGWHSWPIAHQWPQGPSAVDAAFSWEEK	2	1	2xTMT6plex [N-Term; K28]	-	0.904	-	1.36538887	0	3677.796621	3	1226.605957	1.820936403	92.29678275
4504489	HRG	histidine-rich glycoprotein precursor	5.714285714	2	6	2	525	59.541	7.5	0.743	0.897	0.858														
													DSPVLIDFFEDTER	5	1	1xTMT6plex [N-Term]	0.743	0.897	0.936	1.482422233	0	1911.953739	2	956.4796143	-0.93478955	96.59671212
													ADLFYDVEALDLESPK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.791	1.043936849	0	2283.216051	3	761.7434082	-0.166182532	98.59061741
57864582	HRNR	hornerin	9.087719298	6	10	6	2850	282.228	10.04	0.975	0.942	0.865														
													QSPSYGR	1	1	1xTMT6plex [N-Term]	-	0.932	-	1.374610782	0	1023.542074	2	512.2747192	0.08547432	21.53047435
													YGQQGSGSGQSPSR	1	1	1xTMT6plex [N-Term]	1.261	-	-	0.904222727	0	1624.787677	2	812.895813	-2.048060485	21.76382513
													QSLGHGQHGSGSGQSPSPSR	4	1	1xTMT6plex [N-Term]	0.985	1.091	0.836	1.416956067	0	2177.06452	3	726.3598633	0.237151332	18.34031181
													QGSSAGSSSSYGQHGSGSR	1	1	1xTMT6plex [N-Term]	0.57	-	-	0.428816944	0	2012.921938	3	671.645752	0.379641833	17.08421529
													HGSGLGHSSSHGQHGSGSGR	1	1	1xTMT6plex [N-Term]	-	-	-	0.823852301	0	2115.002589	3	705.6725464	0.235039975	16.69897531
													SGSGQSSGYSQHGSGSSHSSGYR	2	1	1xTMT6plex [N-Term]	-	0.436	1.419	1.236291409	0	2473.092585	4	619.0291138	0.824820768	17.6246861
4826764	HS3ST1	heparan sulfate glucosamine 3-O-sulfotransferase 1	2.605863192	1	1	1	307	35.75	8.84	-	-	1.162														
													AHPQVDPK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.162	1.413276076	0	1349.794156	3	450.6020813	-1.826244028	30.02193178
4557647	HSBP1	heat shock factor-binding protein 1	39.47368421	2	4	2	76	8.538	4.36	0.574	0.698	-														
													TVQDLTSVVQTLLQQMQDK	1	1	2xTMT6plex [N-Term; K19]	-	1.334	-	2.046275616	0	2633.458423	3	878.4904175	-0.654545588	110.4580799
													TVQDLTSVVQTLLQQMQDK	2	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M16]	0.574	0.677	-	2.064485788	0	2649.453338	4	663.119873	1.632184813	103.2924544
													FQTMSDQIIGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M4]	-	0.652	-	0.724033773	0	1540.799094	2	770.9012451	-2.518320293	54.7610157
153792590	HSP90AA1	heat shock protein HSP 90-alpha isoform 1	42.15456674	32	172	18	854	98.099	5.16	1.564	1.688	1.63														
													LGIHEDSQNR	4	1	1xTMT6plex [N-Term]	1.366	1.373	1.613	1.808770895	0	1397.733457	2	699.3699341	-0.619006387	29.09471817
													DNSTMGYMAAK	2	1	2xTMT6plex [N-Term; K11]	-	1.648	1.331	1.235591531	0	1646.828234	2	823.9176025	-0.185624626	52.62056257
													DNSTMGYMAAK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M]	1.323	1.109	-	1.149574637	0	1662.823149	2	831.9155273	0.378222723	43.26964895
													ESEDKPEIEDVGSDEEEEK	4	1	3xTMT6plex [N-Term; K5; K19]	2.511	2.373	2.597	1.447367191	0	2880.408898	3	960.8096924	1.953107575	51.26185331
													ELISNSSDALDK	6	1	2xTMT6plex [N-Term; K12]	1.778	1.77	1.575	1.841673613	0	1749.963465	2	875.484375	-1.138172333	58.80524183
													HLEINPDHSIIETLR	7	1	1xTMT6plex [N-Term]	1.575	1.615	1.789	1.756458521	0	2016.107554	3	672.7081909	1.222679763	60.06251574
													NPDDITNEEYGEFYK	9	1	2xTMT6plex [N-Term; K15]	1.708	1.707	1.644	1.761564493	0	2292.107229	2	1146.556274	-0.853534185	69.48455337
													VFIMDNCEELIPEYLNFIR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M4];	1.174	0.979	-	1.37933898	0	2660.330163	3	887.4483643	0.14169799	101.3249745
													TDTGEPMGR	4	1	1xTMT6plex [N-Term]	-	1.537	1.348	1.884431005	0	1192.582953	2	596.7961426	1.723767932	26.32872687
													EVSDDEAEEK	5	1	2xTMT6plex [N-Term; K10]	1.91	1.796	1.682	1.591858268	0	1608.800482	2	804.9050903	1.505391184	35.32615171
													DQVANSAFVER	4	1	1xTMT6plex [N-Term]	1.303	1.039	1.354	1.374959826	0	1464.764422	3	488.9261169	-0.426635104	44.94056956
													HSQFIGYPITLFVEK	6	1	2xTMT6plex [N-Term; K15]	1.5	1.554	1.548	2.04146409	0	2237.273447	2	1119.14502	4.163904289	93.66703361
													YYTSASGDEMVSLK	2	1	2xTMT6plex [N-Term; K14]	1.584	1.683	-	1.761403084	0	2009.030164	3	670.3469849	-1.873087932	66.09219553
													YYTSASGDEMVSLK	3	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M10]	1.419	1.686	1.524	1.828026891	0	2025.025079	3	675.6803589	0.713067789	61.92264336
													FYEQFSK	1	1	2xTMT6plex [N-Term; K7]	0.555	-	-	0.762601018	0	1406.772023	2	703.888855	-1.130196674	65.53898973
													ELHINLIPNK	4	1	2xTMT6plex [N-Term; K10]	1.561	1.839	-	1.949392557	0	1649.015047	2	825.010376	-0.953318696	71.72341757
													HGLEVIYMIEPIDEYCVQQLK	2	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	0.802	-	1.557	1.655216694	0	3035.598622	4	759.6550903	-0.029757516	95.74009964
													LGIHEDSQNRK	2	1	2xTMT6plex [N-Term; K11]	2.465	2.429	-	1.623613834	1	1754.991352	3	585.6685181	-0.199864678	31.33541068
													CLELFTELAEDK	9	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.854	1.814	1.908	3.181920052	0	1926.029437	2	963.519104	0.776144842	96.37683143
													HIYYITGETK	4	1	2xTMT6plex [N-Term; K10]	-	1.682	1.69	1.552832842	0	1682.951778	3	561.6560669	1.110574657	50.1828222
													GVVDSEDLPLNISR	20	2	1xTMT6plex [N-Term]	1.495	1.818	1.781	1.850684524	0	1742.948594	3	581.6539307	-0.777726788	74.61193139
													TLTLVDTGIGMTK	16	2	2xTMT6plex [N-Term; K13]	1.617	1.775	1.546	2.031540871	0	1808.060342	3	603.3578491	-0.745742101	82.22246185
													TLTLVDTGIGMTK	28	2	2xTMT6plex [N-Term; K13]; 1xOxidation [M11]	1.584	1.608	1.602	1.972001672	0	1824.055257	3	608.6894531	-0.795663944	77.13000694
													ADLINNLGTIAK	17	2	2xTMT6plex [N-Term; K12]	1.812	1.88	1.818	1.787458062	0	1701.031091	3	567.6828003	1.620393019	85.87971875
													YESLTDPSK	4	2	2xTMT6plex [N-Term; K9]	0.795	0.794	0.824	1.092382312	0	1497.820096	3	499.9450684	0.371398492	51.59656377
													VILHLK	1	2	2xTMT6plex [N-Term; K6]	-	-	1.904	1.355791092	0	1180.818186	3	394.2777405	0.408577335	56.8408966

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													EDQTEYLEER	7	2	1xTMT6plex [N-Term]	1.782	1.491	1.731	2.049770832	0	1540.732847	2	770.8702393	0.23001757	42.03907042
													IRYESLTDPSK	2	2	2xTMT6plex [N-Term; K11]	2.343	-	2.17	1.009204149	1	1767.00527	3	589.6728516	-0.718159997	51.51803565
													HNDDEQYAWESSAGGSFTVR	1	2	1xTMT6plex [N-Term]	0.748	-	-	0.901163638	0	2485.12176	3	829.0442505	-1.433348343	57.17116742
													HFSVEGQLEFR	4	2	1xTMT6plex [N-Term]	1.853	1.591	1.562	1.865174294	0	1577.827357	3	526.6141968	0.430954647	60.19250388
													SLTNDWEDHLAVK	4	2	2xTMT6plex [N-Term; K13]	1.775	1.69	1.829	1.780293465	0	1986.069661	3	662.6937866	-1.43745548	68.86933615
													EDQTEYLEERR	3	2	1xTMT6plex [N-Term]	1.977	1.432	1.332	2.055960655	1	1696.833958	3	566.2826538	-0.324300569	34.10571032
													EMLQQSK	3	2	2xTMT6plex [N-Term; K7]	1.381	1.5	-	1.739774942	0	1321.754993	3	441.256134	-0.865629709	41.14882497
													EGLELPEDEEEK	10	2	2xTMT6plex [N-Term; K12]	1.807	1.915	1.723	2.027556896	0	1874.963525	3	625.6588135	-0.873323823	60.5873913
													YIDQEELNK	1	2	2xTMT6plex [N-Term; K9]	-	-	1.845	1.032601357	0	1609.883758	2	805.4462891	0.958531939	53.14854808
431822403	HSP90AB1	heat shock protein HSP 90-beta isoform a	54.83425414	33	180	18	724	83.212	5.03	1.62	1.614	1.485														
													GVVDSEDLPLNISR	20	2	1xTMT6plex [N-Term]	1.495	1.818	1.781	1.850684524	0	1742.948594	3	581.6539307	-0.777726788	74.61193139
													TLTLVDTGIGMTK	16	2	2xTMT6plex [N-Term; K13]	1.617	1.775	1.546	2.031540871	0	1808.060342	3	603.3578491	-0.745742101	82.22246185
													TLTLVDTGIGMTK	28	2	2xTMT6plex [N-Term; K13]; 1xOxidation [M11]	1.584	1.608	1.602	1.972001672	0	1824.055257	3	608.6894531	-0.795663944	77.13000694
													ADLINNLGTIAK	17	2	2xTMT6plex [N-Term; K12]	1.812	1.88	1.818	1.787458062	0	1701.031091	3	567.6828003	1.620393019	85.87971875
													YESLTDPSK	4	2	2xTMT6plex [N-Term; K9]	0.795	0.794	0.824	1.092382312	0	1497.820096	3	499.9450684	0.371398492	51.59656377
													VILHLK	1	2	2xTMT6plex [N-Term; K6]	-	-	1.904	1.355791092	0	1180.818186	3	394.2777405	0.408577335	56.8408966
													EDQTEYLEER	7	2	1xTMT6plex [N-Term]	1.782	1.491	1.731	2.049770832	0	1540.732847	2	770.8702393	0.23001757	42.03907042
													IRYESLTDPSK	2	2	2xTMT6plex [N-Term; K11]	2.343	-	2.17	1.009204149	1	1767.00527	3	589.6728516	-0.718159997	51.51803565
													HNDDEQYAWESSAGGSFTVR	1	2	1xTMT6plex [N-Term]	0.748	-	-	0.901163638	0	2485.12176	3	829.0442505	-1.433348343	57.17116742
													HFSVEGQLEFR	4	2	1xTMT6plex [N-Term]	1.853	1.591	1.562	1.865174294	0	1577.827357	3	526.6141968	0.430954647	60.19250388
													SLTNDWEDHLAVK	4	2	2xTMT6plex [N-Term; K13]	1.775	1.69	1.829	1.780293465	0	1986.069661	3	662.6937866	-1.43745548	68.86933615
													EDQTEYLEERR	3	2	1xTMT6plex [N-Term]	1.977	1.432	1.332	2.055960655	1	1696.833958	3	566.2826538	-0.324300569	34.10571032
													EMLQQSK	3	2	2xTMT6plex [N-Term; K7]	1.381	1.5	-	1.739774942	0	1321.754993	3	441.256134	-0.865629709	41.14882497
													EGLELPEDEEEK	10	2	2xTMT6plex [N-Term; K12]	1.807	1.915	1.723	2.027556896	0	1874.963525	3	625.6588135	-0.873323823	60.5873913
													YIDQEELNK	1	2	2xTMT6plex [N-Term; K9]	-	-	1.845	1.032601357	0	1609.883758	2	805.4462891	0.958531939	53.14854808
													IDIIPNPQER	4	1	1xTMT6plex [N-Term]	1.385	1.847	1.038	1.581515551	0	1423.810644	2	712.4087524	-0.292305153	68.06077949
													LGIHEDSTNR	5	1	1xTMT6plex [N-Term]	1.783	1.688	1.728	2.428088665	0	1370.722558	3	457.578949	-0.192632835	30.83826086
													NPDDITQEEYGEFYK	4	1	2xTMT6plex [N-Term; K15]	1.709	1.873	1.96	1.200334549	0	2306.122879	2	1153.567627	2.210908316	69.84054998
													IEDVGSDEEDDSGK	5	1	2xTMT6plex [N-Term; K14]	1.721	1.389	1.625	1.627065182	0	1952.933681	2	976.970459	-0.020288067	50.29887918
													VFIMDSCDELIPEYLNFIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	2.325	1.308129311	0	2603.308698	3	868.4396973	-1.597936936	104.1068405
													DNSTMGYMMAK	1	1	2xTMT6plex [N-Term; K11]; 3xOxidation [M5; M8; M9]	-	-	1.162	0.977594256	0	1754.81635	3	585.6104126	0.19065982	36.47421804
													GFEVVYMTEPIDEYCVQQLK	2	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	1.484	-	0.807	1.851358056	0	2906.472024	3	969.492981	-2.626795937	95.90332595
													LGLGIDEDEVAAEEPNAAVPDEIPPLEGDEDASR	2	1	1xTMT6plex [N-Term]	-	0.963	1.155	0.87286818	0	3761.807868	4	941.2063599	-1.132085164	93.61570685
													EQVANSAFVER	7	1	1xTMT6plex [N-Term]	1.204	1.532	1.397	1.916603327	0	1478.780073	2	739.894104	0.580767775	44.70556932
													YHTSQSGDEMTSLSEYVSR	3	1	1xTMT6plex [N-Term]	1.694	1.454	1.42	2.268974543	0	2406.108084	3	802.706665	-1.098114765	56.35073299
													YHTSQSGDEMTSLSEYVSR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	1.995	1.863	1.489	1.847285032	0	2422.102999	3	808.0394897	0.378571135	46.43528427
													HLEINPDHPIVETLR	7	1	1xTMT6plex [N-Term]	1.218	1.326	1.342	2.272857189	0	2012.11264	4	503.7842102	1.178408338	63.54854479
													LGIHEDSTNRR	3	1	1xTMT6plex [N-Term]	1.546	1.281	1.241	1.836421847	1	1526.823669	3	509.6130981	0.702441032	27.2274749
													EISDDEAEEEK	7	1	2xTMT6plex [N-Term; K11]	1.708	1.759	1.694	1.934620976	0	1751.858725	2	876.4343872	1.582635644	41.94312112
													SIYYITGESK	5	1	2xTMT6plex [N-Term; K10]	1.764	1.758	1.252	1.976661325	0	1618.909245	3	540.3085938	1.224979106	65.16433147
													HSQFIGYPITLYLEK	2	1	2xTMT6plex [N-Term; K15]	1.554	1.607	-	1.340761662	0	2267.284011	3	756.4318237	-1.364349847	92.16154935
													ADHGEPIGR	9	1	1xTMT6plex [N-Term]	1.821	1.594	1.813	2.208398581	0	1180.627201	3	394.2133789	-1.369976271	22.40207387
													CLELFSELAEDK	8	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.731	1.729	1.785	1.935944676	0	1912.013786	3	638.0081177	-2.085064807	94.95699227
													RAPFDLFENK	2	1	2xTMT6plex [N-Term; K10]	1.789	1.843	-	1.363343835	1	1694.963012	3	565.6593628	0.308761255	69.9222489
													ELISNASDALDK	10	2	2xTMT6plex [N-Term; K12]	1.066	1.105	1.118	2.302370787	0	1733.968551	3	578.6612549	0.381124812	66.76302854
4507677	HSP90B1	endoplasmin precursor	41.96762142	28	110	27	803	92.411	4.84	0.547	0.514	0.507														
													ETLQQHK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.497	1.860374451	0	1341.78907	2	671.3973999	-1.153024232	26.73714084
													TETVEEPMEEEEAAK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.447	0.938131392	0	2180.068066	3	727.3598022	-1.473537349	52.71863287
													TETVEEPMEEEEAAK	5	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M8]	0.641	0.66	0.546	1.403810978	0	2196.062981	2	1098.535889	0.692067469	44.75532755
													FQSSHHPTDITSLDQYVER	4	1	1xTMT6plex [N-Term]	0.628	0.829	0.623	1.830164433	0	2489.225831	4	623.0620728	0.252976495	58.94840627
													SGYLLPDTK	1	1	2xTMT6plex [N-Term; K9]	-	0.404	-	0.852118373	0	1451.851002	2	726.4297485	0.839376982	59.42883025
													LSLNIDPDAK	1	1	2xTMT6plex [N-Term; K10]	0.479	-	-	1.090591073	0	1543.909579	2	772.4589233	0.641760179	74.23705393
													YSQFINFPIYVWSSK	6	1	2xTMT6plex [N-Term; K15]	0.321	0.299	0.329	2.655692577	0	2337.268361	2	1169.137695	-0.105783745	101.2054283
													EESDDEAAVEEEEEK	12	1	2xTMT6plex [N-Term; K16]	0.636	0.634	0.569	2.15610671	0	2325.050561	2	1163.028931	0.010209724	46.97313727
													GLFDEYGSK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.748	1.109263301	0	1473.798966	2	737.4038696	1.015347308	63.66095832
													SILFVPTSAPR	3	1	1xTMT6plex [N-Term]	0.452	0.452	0.441	1.738211989	0	1416.841216	3	472.9520569	0.283069332	74.83383337
													GTTITLVLK	2	1	2xTMT6plex [N-Term; K9]	0.565	0.568	-	1.055366158	0	1403.923773	3	468.6454773	-1.34922228	77.40396483
													EEASDYLELDTIK	5	1	2xTMT6plex [N-Term; K13]	0.568	0.561	0.562	1.909841657	0	1984.052674	2	992.5293579	-0.622342191	77.89195323
													EVEEDEYK	5	1	2xTMT6plex [N-Term; K8]	0.583	0.579	-	1.519035459	0	1498.767726	3	500.2601013	-1.317672437	42.63610691
													TDDEVVQREEEAIQLDGLNASQIR	1	1	1xTMT6plex [N-Term]	0.551	-	-	1.743896246	1	2957.501337	3	986.5037842	-1.534380012	75.73298385
													GYEVIYLTEPVDEYCIQALPEFDGK	2	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	0.562	-	0.554	0.855593681	0	3406.716882	4	852.4343262	-0.413061181	98.44854493
													LGVIEDHSNR	3	1	1xTMT6plex [N-Term]	-	0.505	0.525	2.197286367	0	1368.743293	3	456.9200439	1.66971115	42.56733351
													EFGTNIK	3	1	2xTMT6plex [N-Term; K7]	0.553	0.542	0.557	1.86014235	0	1266.745809	2	633.8757324	-1.279125014	52.48990359
													AQAYQTGK	3	1	2xTMT6plex [N-Term; K8]	-	0.446	0.442	1.957998514	0	1324.762521	2	662.8839111	-1.491259258	31.96233181
													TFEINPR	1	1	1xTMT6plex [N-Term]	-	0.455	-	1.121488571	0	1105.620325	2	553.3138428	0.076207784	51.21371135
													DISTNYYASQK	9	1	2xTMT6plex [N-Term; K11]	0.384	0.448	0.426	2.628555775	0	1747.926686	3	583.3143921	1.108318528	53.68977277
													SGTSEFLNK	4	1	2xTMT6plex [N-Term; K9]	-	0.613	0.523	1.60603106	0	1440.809865	3	480.9411011	-0.774062817	53.98697573
													LISLTDENALSGNEELTVK	8	1	2xTMT6plex [N-Term; K19]	0.908	0.595	0.688	2.449195385	0	2504.385969	3	835.4671631	0.385934047	91.92249222
													EFEPLLNWMK	7	1	2xTMT6plex [N-Term; K10]	0.53	0.523	0.524	1.620849609	0	1764.975885	2	882.9907227	-0.972238496	98.16576383
													EFEPLLNWMK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M9]	-	0.534	-	1.24361062	0	1780.9708	3	594.3292236	1.301525234	92.36986239
													EAESSPFVER	3	1	1xTMT6plex [N-Term]	0.602	0.482	0.506	1.941726446	0	1379.700425	2	690.3529053	-1.370850578	42.85597442
													GVVDSDDLPLNVSR	4	1	1xTMT6plex [N-Term]	0.617	0.639	0.562	1.234923244	0	1714.917294	2	857.9614258	-1.00250753	68.00468857

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IYFMAGSSR	1	1	1xTMT6plex [N-Term]	-	-	0.456	1.067649007	0	1260.660809	2	630.8341064	0.10076511	60.60647312
													TDDEVVQR	2	1	1xTMT6plex [N-Term]	-	0.353	0.375	1.334571958	0	1190.621447	2	595.8141479	-0.359040704	31.02316907
													LTESPCALVASQYGWSGNMER	1	1	1xTMT6plex [N-Term]; 1xOxidation [M19];	-	-	0.616	1.392950773	0	2601.227488	3	867.7478638	0.595752813	80.08761481
													ELISNASDALDK	10	2	2xTMT6plex [N-Term; K12]	1.066	1.105	1.118	2.302370787	0	1733.968551	3	578.6612549	0.381124812	66.76302854
48928056	HSPA13	heat shock 70 kDa protein 13 precursor	7.643312102	3	5	3	471	51.895	5.76	0.968	1.278	0.841														
													QVIQEFFGK	1	1	2xTMT6plex [N-Term; K9]	0.948	-	-	1.255866289	0	1553.909185	2	777.4579468	-0.365816302	89.33286094
													IFTAEELEAEIGRYPFK	2	1	2xTMT6plex [N-Term; K17]	1.065	1.278	-	1.434950352	1	2471.358633	3	824.4578247	0.116616459	95.79184729
													ILVPIQQVLK	2	1	2xTMT6plex [N-Term; K10]	-	-	0.841	1.318499088	0	1609.08167	3	537.0321045	0.055818523	95.85566715
167466173	HSPA1B	heat shock 70 kDa protein 1B	55.53822153	28	108	23	641	70.009	5.66	1.371	1.364	1.488														
													GGSGSGPTIEEVD	2	1	1xTMT6plex [N-Term]	1.412	1.473	-	0.88527298	0	1433.695734	2	717.3504028	-1.537778125	47.51500649
													AQIHDLVLVGGSTR	3	1	1xTMT6plex [N-Term]	-	1.613	1.455	1.808132291	0	1694.975084	3	565.6640625	1.504665186	55.69483952
													NQVALNPQNTVFDAK	6	1	2xTMT6plex [N-Term; K15]	1.302	1.325	1.324	2.543009281	0	2117.175523	2	1059.089844	-1.470170973	66.60025145
													SAVEDEGLK	2	1	2xTMT6plex [N-Term; K9]	-	1.392	1.585	1.147632599	0	1405.793881	2	703.4003906	-0.267599685	52.95078165
													LVNHFVEEFK	3	1	2xTMT6plex [N-Term; K10]	1.505	1.597	-	1.515769601	0	1719.983413	2	860.4969482	1.86454378	73.52144388
													ELEQVCNPIISGLYQGAGGPGPGGFGAQGPK	4	1	2xTMT6plex [N-Term; K31]; 1xCarbamidomethyl	1.441	1.58	-	2.684865236	0	3513.820059	5	703.5665894	-4.615601364	93.98175153
													FGDPVVQSDMK	5	1	2xTMT6plex [N-Term; K11]	1.313	1.169	1.129	2.020706415	0	1680.903114	3	560.97229	-0.474008767	66.31602438
													FGDPVVQSDMK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M10]	-	-	1.429	0.736179173	0	1696.898029	2	848.9537964	1.348061816	56.32912896
													HWPFQVINDGDKPK	3	1	3xTMT6plex [N-Term; K12; K14]	1.863	1.775	-	1.800620198	0	2368.338062	4	592.8394165	-0.939686108	66.13611671
													CQEVISWLDANTLAEK	9	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.708	1.74	1.736	3.781646013	0	2335.236803	2	1168.121094	-0.810384624	94.31329495
													AAAIGIDLGTTYSCVGVFQHGK	2	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	-	0.938	1.012	1.362524867	0	2723.459092	3	908.4914551	0.264378627	85.08848267
													LIGDAAK	1	4	2xTMT6plex [N-Term; K7]	-	0.971	-	0.953462839	0	1145.72943	2	573.3684082	0.095595214	49.92249468
													DAGVIAGLNVLR	12	1	1xTMT6plex [N-Term]	1.321	1.41	1.028	1.935975552	0	1426.857929	2	713.9335938	1.388982014	81.72169085
													SINPDEAVAYGAAVQAAILMGDK	3	1	2xTMT6plex [N-Term; K23]	1.399	-	1.517	1.272403479	0	2762.479887	3	921.4987183	0.620795527	101.0408065
													SINPDEAVAYGAAVQAAILMGDK	6	1	2xTMT6plex [N-Term; K23]; 1xOxidation [M20]	1.276	1.092	1.309	2.221353531	0	2778.474802	3	926.8303223	0.580155297	98.19115311
													NALESYAFNMK	4	1	2xTMT6plex [N-Term; K11]	1.003	1.527	1.645	1.602861643	0	1745.929663	3	582.6474609	-1.049960682	74.98196417
													NALESYAFNMK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M10]	0.826	-	-	1.073987842	0	1761.924578	2	881.4655762	-0.398425823	64.7474875
													AFYPEEISSMVLTK	5	1	2xTMT6plex [N-Term; K14]	1.253	1.528	1.31	1.494322538	0	2073.134236	3	691.7153931	-1.258790066	96.28932548
													AFYPEEISSMVLTK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M10]	1.191	-	-	0.907730341	0	2089.129151	3	697.0479126	0.016252212	89.9014451
													AEDEVQR	2	1	1xTMT6plex [N-Term]	1.312	-	1.718	1.375583768	0	1075.558118	2	538.2824097	-0.535139899	23.03787019
													NSTIPTK	1	1	2xTMT6plex [N-Term; K7]	0.968	-	-	1.430593252	0	1218.745809	2	609.8761597	-0.628378828	39.65688465
													RNSTIPTK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.968	1.190894604	1	1374.84692	3	458.9538574	0.072375785	31.44293603
													QTQIFTTYSDNQPGVLIQVYEGER	1	1	1xTMT6plex [N-Term]	-	0.787	-	0.972239971	0	3015.526095	3	1005.848328	1.437288227	90.90007724
													VEIIANDQGNR	14	4	1xTMT6plex [N-Term]	1.094	1.154	1.123	2.144001484	0	1457.790972	3	486.6016846	-0.323180121	49.19668141
													ITITNDK	3	3	2xTMT6plex [N-Term; K7]	-	1.5	1.481	1.331796885	0	1262.772023	3	421.5954895	-0.085537325	49.66649781
													TTPSYVAFTDTER	4	3	1xTMT6plex [N-Term]	1.07	1.169	1.143	2.032013416	0	1716.864196	3	572.9599609	0.660263347	58.41614817
													STLEPVEK	2	1	2xTMT6plex [N-Term; K8]	1.58	-	1.584	1.465540767	0	1360.808803	3	454.2748108	0.791053853	48.81540855
													FEELCSDLFR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.304	-	-	0.939524531	0	1544.761646	2	772.8809814	-4.505134753	85.96050104
													IINEPTAAAIAYGLDR	3	1	1xTMT6plex [N-Term]	1.568	1.624	1.527	2.456846952	0	1917.064293	3	639.6930542	0.165173207	87.43739852
													DNNLLGR	2	1	1xTMT6plex [N-Term]	-	1.041	1.449	1.349909425	0	1030.584274	2	515.7955933	-0.352825646	39.05118199
													ATAGDTHLGGEDFDNR	6	1	1xTMT6plex [N-Term]	1.617	1.554	1.621	2.150412321	0	1904.893598	3	635.6360474	-0.005071231	40.49860316
													MVQEAEK	2	2	2xTMT6plex [N-Term; K7]; 1xOxidation [M1]	-	-	1.38	1.751404643	0	1308.723359	2	654.8654175	0.152385862	31.77261527
13676857	HSPA2	heat shock-related 70 kDa protein 2	18.46635368	14	51	1	639	69.978	5.74	2.008	-	-														
													DEYEHK	1	1	2xTMT6plex [N-Term; K6]	2.008	-	-	0.707385242	0	1278.673038	3	426.8956604	-0.476712037	26.91839309
													LIGDAAK	1	4	2xTMT6plex [N-Term; K7]	-	0.971	-	0.953462839	0	1145.72943	2	573.3684082	0.095595214	49.92249468
													IINEPTAAAIAYGLDK	10	3	2xTMT6plex [N-Term; K16]	1.001	0.971	1.041	2.198925734	0	2118.221077	2	1059.614136	-0.038634128	92.09620105
													VQVEYK	1	2	2xTMT6plex [N-Term; K6]	1.357	-	-	0.835889101	0	1223.739995	3	408.5841675	-1.671701997	48.93876125
													RNTTIPTK	3	2	2xTMT6plex [N-Term; K8]	1.517	1.579	1.587	1.698282957	1	1388.86257	3	463.6255493	-0.341913442	33.61036316
													STAGDTHLGGEDFDNR	6	2	1xTMT6plex [N-Term]	1.172	1.202	1.196	1.94837606	0	1920.888513	2	960.9493408	1.505511957	35.86824267
													DNNLLGK	1	2	2xTMT6plex [N-Term; K7]	1.291	-	-	1.750844121	0	1231.741058	2	616.3739624	-0.332322536	51.83412739
													ARFEELNADLFR	7	2	1xTMT6plex [N-Term]	0.901	0.728	0.804	2.097163439	1	1709.917235	3	570.6433716	-0.978511633	69.97830409
													FEELNADLFR	2	2	1xTMT6plex [N-Term]	1.191	-	1.11	1.300907969	0	1482.77901	2	741.8914795	-2.244161539	88.05627624
													NTTIPTK	3	3	2xTMT6plex [N-Term; K7]	0.91	0.877	0.891	0.984594226	0	1232.761459	2	616.8844604	0.150611812	51.17990044
													VEIIANDQGNR	14	4	1xTMT6plex [N-Term]	1.094	1.154	1.123	2.144001484	0	1457.790972	3	486.6016846	-0.323180121	49.19668141
													ITITNDK	3	3	2xTMT6plex [N-Term; K7]	-	1.5	1.481	1.331796885	0	1262.772023	3	421.5954895	-0.085537325	49.66649781
													TTPSYVAFTDTER	4	3	1xTMT6plex [N-Term]	1.07	1.169	1.143	2.032013416	0	1716.864196	3	572.9599609	0.660263347	58.41614817
													LLQDFFNGK	2	2	2xTMT6plex [N-Term; K9]	1.3	1.282	-	1.892249584	0	1539.893535	2	770.4506226	0.281303335	94.10540849
38327039	HSPA4	heat shock 70 kDa protein 4	45.83333333	31	84	29	840	94.271	5.19	0.822	0.831	0.858														
													NTVQGFK	1	1	2xTMT6plex [N-Term; K7]	-	0.778	-	1.218227386	0	1251.746143	2	626.3774414	1.168985028	44.48241876
													WNSPAEEGSSDCEVFSK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	-	0.921	0.533171296	0	2387.122561	3	796.3764648	-3.234052107	65.46134382
													LFEELGK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.785	1.012651205	0	1293.78186	2	647.3938599	-1.094924486	76.62036411
													LEDTENWLYEDGEDQPK	1	1	2xTMT6plex [N-Term; K17]	0.968	-	-	1.51729846	0	2539.224049	3	847.0735474	-7.073133291	79.82897172
													KFDEVLVNHFCEEFGK	2	1	3xTMT6plex [N-Term; K1; K16]; 1xCarbamidomethyl	-	0.585	0.713	1.483845949	1	2685.43137	4	672.1135254	0.335838968	86.18633821
													EFSITDVVPYPISLR	4	1	1xTMT6plex [N-Term]	0.816	0.853	0.81	1.753275633	0	1965.089445	2	983.046936	-1.449994907	98.17662419
													VTPQSDGSSSK	6	1	2xTMT6plex [N-Term; K11]	0.81	0.802	1.014	1.499339342	0	1550.842622	2	775.9248047	-0.186398669	30.97824859
													SVLEQTK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.875	0.988737881	0	1262.772023	2	631.8898315	0.287617979	48.70997475
													SQVISNAK	4	1	2xTMT6plex [N-Term; K8]	0.81	0.831	0.82	1.560107708	0	1304.793821	2	652.9005737	0.037945411	39.08812371
													SVMDATQIAGLNCLR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.827	0.855	0.829	1.923815727	0	1877.977469	3	626.664978	1.550695938	78.43176589
													SVMDATQIAGLNCLR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3];	0.874	-	-	0.866210222	0	1893.972384	2	947.4887695	-1.119983331	69.4096081
													FLEMCNDLLAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.788	-	-	0.984114945	0	1610.8232	2	805.914856	-0.474748525	89.75954978
													MQVDQEEPHVEEQQQTPAENK	2	1	2xTMT6plex [N-Term; K22]; 1xOxidation [M1]	0.838	-	0.805	1.548419595	0	3096.494427	3	1032.836792	0.45068596	40.12917667
													QSLTMDPVVK	3	1	2xTMT6plex [N-Term; K10]	1.093	0.993	1.157	1.865714192	0	1575.918035	3	525.9779053	0.715208715	64.11166576
													QSLTMDPVVK	3	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M5]	0.551	0.634	-	1.233684063	0	1591.91295	2	796.4605713	0.575093082	58.56549308

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NAVEEYVYEMR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	1.001	-	-	0.567234099	0	1647.788589	2	824.3980103	0.09419765	53.57019582
													ELSTTLNADEAVTR	2	1	1xTMT6plex [N-Term]	0.877	-	0.73	1.193130493	0	1748.922773	2	874.9648438	-0.207293315	55.11294877
													TSTVDLPIENQLLWQIDR	1	1	1xTMT6plex [N-Term]	-	0.968	-	1.3582654	0	2370.286641	3	790.7670288	-0.045418228	97.93007086
													EDQYDHLDAADMTK	2	1	2xTMT6plex [N-Term; K14]	1.182	1.241	-	1.354462147	0	2110.016305	3	704.010376	0.127714505	53.89254166
													NLGQPIK	1	1	2xTMT6plex [N-Term; K7]	-	0.888	-	0.645649254	0	1227.782528	2	614.3948975	-0.008257264	53.34860886
													AGGIETIANEYSDR	4	1	1xTMT6plex [N-Term]	0.831	0.783	-	1.467519164	0	1724.865259	3	575.6271973	1.031945461	60.47649496
													CTPACISFGPK	4	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	1.001	0.947	0.939	1.808087945	0	1695.896255	2	848.4517822	0.019490063	65.42838869
													KPVVDCVVSVPCFYTDAERR	2	1	2xTMT6plex [N-Term; K1]; 2xCarbamidomethyl	1.135	1.008	-	1.982854724	1	2855.494826	4	714.6289673	-0.275451164	73.91456018
													NFTTEQVTAMLLSK	6	1	2xTMT6plex [N-Term; K14]	0.828	0.823	0.794	1.521010756	0	2041.140384	3	681.0498657	-2.616023902	95.67505091
													NFTTEQVTAMLLSK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M10]	-	0.716	-	1.264252305	0	2057.135299	3	686.3825073	-1.132578565	88.80404355
													AESEEMETSQAGSK	5	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M6]	0.758	0.785	0.813	1.679074049	0	1957.942472	3	653.3186035	-0.620377331	32.69663347
													SEENEEPMETDQNAK	4	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M8]	0.734	0.834	0.822	1.970126987	0	2225.027992	3	742.3477173	0.27247094	31.42129271
													ETAESVLK	3	1	2xTMT6plex [N-Term; K8]	0.755	0.744	0.747	1.790899634	0	1334.793153	2	667.8998413	-0.559332216	51.00199251
													SNLAYDIVQLPTGLTGIK	6	1	2xTMT6plex [N-Term; K18]	0.759	0.813	0.797	2.718029022	0	2361.379368	2	1181.194336	0.858449526	98.45293137
													LSQECEK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	0.743	-	1.258211493	0	1351.729172	2	676.3692017	1.44574102	35.37219606
													VLATAFDTTLGGR	2	1	1xTMT6plex [N-Term]	-	0.726	0.821	0.922637522	0	1550.873973	2	775.9417725	1.480056997	81.38932882
													FDEVLVNHFCEEFGK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	-	1.067	1.318005919	0	2328.173475	3	776.7296753	0.428567251	92.01699821
													NHAAPFSK	2	2	2xTMT6plex [N-Term; K8]	0.969	-	0.895	1.552345157	0	1329.767941	2	665.3885498	1.415291584	33.93727164
													LMNETTAVALAYGIYK	1	2	2xTMT6plex [N-Term; K16]	-	0.741	-	1.413191557	0	2216.240098	3	739.4182129	-0.005485924	96.51613916
959092920	HSPA4L	heat shock 70 kDa protein 4L isoform 2	5.517241379	3	3	1	870	97.597	5.95	-	1.692	-														
													LMNETTAVALAYGIYK	1	2	2xTMT6plex [N-Term; K16]	-	0.741	-	1.413191557	0	2216.240098	3	739.4182129	-0.005485924	96.51613916
													ANSEHNGPMDGQSGTETK	1	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M9]	-	1.692	-	1.509247303	0	2334.103223	3	778.7061157	0.244615561	34.4075757
													DISTTLNADEAVAR	1	2	1xTMT6plex [N-Term]	-	-	1.192	0.896626472	0	1704.896559	2	852.9541626	2.633517729	57.49908391
16507237	HSPA5	78 kDa glucose-regulated protein precursor	52.59938838	30	192	27	654	72.288	5.16	0.761	0.737	0.742														
													MVNDAEK	4	1	2xTMT6plex [N-Term; K7]	0.933	0.938	0.942	1.524890423	0	1264.697144	2	632.8531494	1.485271106	37.30195487
													DAGTIAGLNVMR	6	1	1xTMT6plex [N-Term]	0.651	0.62	0.629	1.482024908	0	1446.793614	2	723.901062	0.852383799	68.43401211
													DAGTIAGLNVMR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	0.657	0.63	0.628	1.621534705	0	1462.788529	3	488.2674255	-0.550878446	53.43927575
													LYGSAGPPPTGEEDTAEK	10	1	2xTMT6plex [N-Term; K18]	0.669	0.651	0.664	2.390109301	0	2277.165078	2	1139.087646	1.290437298	53.32572054
													ETAEAYLGK	5	1	2xTMT6plex [N-Term; K9]	0.638	0.602	0.64	1.433900595	0	1439.814616	3	480.6098328	0.228335657	53.13319809
													NQLTSNPENTVFDAK	7	1	2xTMT6plex [N-Term; K15]	0.757	0.733	0.733	1.644811392	0	2136.133718	2	1068.572998	2.341273726	61.70509091
													VTHAVVTVPAYFNDAQR	5	1	1xTMT6plex [N-Term]	0.642	0.487	0.606	1.20434618	0	2117.134104	2	1059.071289	0.565842758	65.47613657
													SQIFSTASDNQPTVTIK	11	1	2xTMT6plex [N-Term; K17]	0.834	0.74	0.823	1.968111157	0	2295.259647	2	1148.135132	1.455234871	70.81465
													IEWLESHQDADIEDFK	5	1	2xTMT6plex [N-Term; K16]	0.884	0.863	0.911	2.037841082	0	2433.233826	3	811.744873	-5.655091273	86.70780037
													NQIGDK	2	1	2xTMT6plex [N-Term; K6]	-	0.771	0.767	1.044243813	0	1132.672644	2	566.8400269	0.117810683	31.14780312
													NTVVPTK	3	1	2xTMT6plex [N-Term; K7]	0.714	0.758	-	0.895568967	0	1216.766544	2	608.8864136	-0.816493162	43.82979
													VLEDSDLK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.732	1.259714484	0	1376.803717	2	688.9048462	-0.945296102	58.08315621
													EDVGTVVGIDLGTTYSCVGVFK	7	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	-	0.604	0.603	2.02225399	0	2774.468654	3	925.4940186	-0.414888788	96.60810733
													DNHLLGTFDLTGIPPAPR	15	1	1xTMT6plex [N-Term]	0.776	0.797	0.755	2.639726162	0	2163.175968	3	721.7299805	-0.268199979	85.0167768
													NELESYAYSLK	8	1	2xTMT6plex [N-Term; K11]	0.772	0.773	0.843	2.848849297	0	1774.962737	2	887.9841919	-0.918183184	75.29940387
													VMEHFIK	1	1	2xTMT6plex [N-Term; K7]	-	0.621	-	1.290660977	0	1361.801549	2	681.4031982	-1.78400122	58.53240513
													TWNDPSVQQDIK	3	1	2xTMT6plex [N-Term; K12]	0.753	0.662	-	1.16334796	0	1889.016898	2	945.0123291	0.256161354	58.72261035
													FEELNMDLFR	2	1	1xTMT6plex [N-Term]	0.573	0.626	-	1.337721944	0	1542.782381	2	771.8945313	-0.385602018	93.64767158
													FEELNMDLFR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	0.708	-	-	1.647132754	0	1558.777296	3	520.2612305	-5.233347812	82.39538351
													TFAPEEISAMVLTK	10	1	2xTMT6plex [N-Term; K14]	0.67	0.689	0.707	1.857365966	0	1995.123671	2	998.0653076	-0.166563923	96.41860718
													TFAPEEISAMVLTK	7	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M10]	0.705	0.661	0.675	1.627144933	0	2011.118586	2	1006.063843	0.906459166	88.07161022
													VYEGERPLTK	3	1	2xTMT6plex [N-Term; K10]	0.75	0.802	-	1.060643792	0	1649.962677	3	550.65802	-1.921626137	46.93314819
													ITITNDQNR	5	1	1xTMT6plex [N-Term]	0.761	0.807	0.713	1.304965615	0	1303.716744	2	652.3605347	-2.263815415	39.94792239
													ITPSYVAFTPEGER	13	1	1xTMT6plex [N-Term]	0.771	0.707	0.785	2.590651512	0	1795.942781	3	599.3183594	-1.25603946	69.72815872
													ELEEIVQPIISK	12	1	2xTMT6plex [N-Term; K12]	0.786	0.76	0.812	2.357429981	0	1856.114486	3	619.3765259	0.289802554	93.03111722
													KSDIDEIVLVGGSTR	2	1	2xTMT6plex [N-Term; K1]	0.91	-	0.858	1.522200108	1	2047.17994	3	683.0634766	-1.985029464	66.17671771
													LYGSAGPPPTGEEDTAEKDEL	2	1	2xTMT6plex [N-Term; K18]	1.501	-	1.906	1.198908091	1	2634.318678	3	878.7759399	-2.05408929	66.34638792
													SDIDEIVLVGGSTR	7	1	1xTMT6plex [N-Term]	1.083	0.793	0.959	1.502134442	0	1689.922045	3	563.9780273	-1.489067947	74.45800144
													IEIESFYEGEDFSETLTR	9	1	1xTMT6plex [N-Term]	0.663	0.687	0.717	2.212370634	0	2394.155017	3	798.7221069	-1.357438927	92.59584804
													NGRVEIIANDQGNR	4	1	1xTMT6plex [N-Term]	-	0.588	0.547	1.849882007	1	1784.956474	3	595.6560059	-1.685918911	33.58063752
													LIGDAAK	1	4	2xTMT6plex [N-Term; K7]	-	0.971	-	0.953462839	0	1145.72943	2	573.3684082	0.095595214	49.92249468
													IINEPTAAAIAYGLDK	10	3	2xTMT6plex [N-Term; K16]	1.001	0.971	1.041	2.198925734	0	2118.221077	2	1059.614136	-0.038634128	92.09620105
													VEIIANDQGNR	14	4	1xTMT6plex [N-Term]	1.094	1.154	1.123	2.144001484	0	1457.790972	3	486.6016846	-0.323180121	49.19668141
5729877	HSPA8	heat shock cognate 71 kDa protein isoform 1	55.41795666	33	160	19	646	70.854	5.52	1.152	1.185	1.17														
													EEFEHQQK	2	1	2xTMT6plex [N-Term; K8]	-	1.466	1.483	1.798332572	0	1532.810928	2	766.9080811	-1.332428278	30.70793934
													NSLESYAFNMK	6	1	2xTMT6plex [N-Term; K11]	1.089	1.457	1.393	1.596458316	0	1761.924577	3	587.9802246	0.875893409	73.10976032
													NSLESYAFNMK	4	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M10]	0.669	0.629	0.598	2.745978355	0	1777.919492	3	593.3110962	-0.425776186	62.88476525
													CNEIINWLDK	5	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.552	1.409	1.58	1.876097441	0	1762.956212	3	588.3237915	0.345522886	90.44367719
													VCNPIITK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.282	-	1.397	1.236447453	0	1402.849228	2	701.9283447	0.131727003	62.50028313
													ATVEDEK	1	1	2xTMT6plex [N-Term; K7]	-	1.337	-	1.398187518	0	1249.704003	2	625.3555298	-0.176289495	43.54546531
													LIGDAAK	1	4	2xTMT6plex [N-Term; K7]	-	0.971	-	0.953462839	0	1145.72943	2	573.3684082	0.095595214	49.92249468
													IINEPTAAAIAYGLDK	10	3	2xTMT6plex [N-Term; K16]	1.001	0.971	1.041	2.198925734	0	2118.221077	2	1059.614136	-0.038634128	92.09620105
													VQVEYK	1	2	2xTMT6plex [N-Term; K6]	1.357	-	-	0.835889101	0	1223.739995	3	408.5841675	-1.671701997	48.93876125
													RNTTIPTK	3	2	2xTMT6plex [N-Term; K8]	1.517	1.579	1.587	1.698282957	1	1388.86257	3	463.6255493	-0.341913442	33.61036316
													STAGDTHLGGEDFDNR	6	2	1xTMT6plex [N-Term]	1.172	1.202	1.196	1.94837606	0	1920.888513	2	960.9493408	1.505511957	35.86824267
													DNNLLGK	1	2	2xTMT6plex [N-Term; K7]	1.291	-	-	1.750844121	0	1231.741058	2	616.3739624	-0.332322536	51.83412739
													ARFEELNADLFR	7	2	1xTMT6plex [N-Term]	0.901	0.728	0.804	2.097163439	1	1709.917235	3	570.6433716	-0.978511633	69.97830409
													FEELNADLFR	2	2	1xTMT6plex [N-Term]	1.191	-	1.11	1.300907969	0	1482.77901	2	741.8914795	-2.244161539	88.05627624

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NTTIPTK	3	3	2xTMT6plex [N-Term; K7]	0.91	0.877	0.891	0.984594226	0	1232.761459	2	616.8844604	0.150611812	51.17990044
													VEIIANDQGNR	14	4	1xTMT6plex [N-Term]	1.094	1.154	1.123	2.144001484	0	1457.790972	3	486.6016846	-0.323180121	49.19668141
													ITITNDK	3	3	2xTMT6plex [N-Term; K7]	-	1.5	1.481	1.331796885	0	1262.772023	3	421.5954895	-0.085537325	49.66649781
													TTPSYVAFTDTER	4	3	1xTMT6plex [N-Term]	1.07	1.169	1.143	2.032013416	0	1716.864196	3	572.9599609	0.660263347	58.41614817
													LLQDFFNGK	2	2	2xTMT6plex [N-Term; K9]	1.3	1.282	-	1.892249584	0	1539.893535	2	770.4506226	0.281303335	94.10540849
													MVQEAEK	2	2	2xTMT6plex [N-Term; K7]; 1xOxidation [M1]	-	-	1.38	1.751404643	0	1308.723359	2	654.8654175	0.152385862	31.77261527
													RFDDAVVQSDMK	2	1	2xTMT6plex [N-Term; K12]	1.159	1.175	-	2.015045881	1	1868.994054	3	623.6693115	-0.359803011	52.4898652
													RFDDAVVQSDMK	5	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M11]	1.137	1.139	1.148	0.943007767	1	1884.988969	3	628.9998169	-2.159883412	45.43056385
													GTLDPVEK	1	1	2xTMT6plex [N-Term; K8]	-	1.332	-	0.658976734	0	1316.782588	2	658.8955078	0.874157215	50.79338026
													SFYPEEVSSMVLTK	5	1	2xTMT6plex [N-Term; K14]	1.329	1.23	1.168	1.962893248	0	2075.1135	2	1038.055054	-5.141563642	91.41816363
													SFYPEEVSSMVLTK	6	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M10]	1.027	1.076	1.088	2.188607693	0	2091.108415	3	697.7088623	1.730438286	80.4434268
													SINPDEAVAYGAAVQAAILSGDK	8	1	2xTMT6plex [N-Term; K23]	1.24	1.2	1.233	2.481266022	0	2718.47143	2	1359.729736	-7.075426115	98.32644359
													DAGTIAGLNVLR	6	1	1xTMT6plex [N-Term]	1.086	1.113	1.12	1.829386473	0	1428.837194	2	714.9210205	-1.700084786	72.28940231
													MVNHFIAEFK	3	1	2xTMT6plex [N-Term; K10]	1.091	-	1.072	0.910129428	0	1693.950004	2	847.4765015	-2.52546433	73.88977587
													MVNHFIAEFK	2	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M1]	-	1.054	1.098	1.037610054	0	1709.944919	3	570.6530151	-0.249809125	65.97966092
													GPAVGIDLGTTYSCVGVFQHGK	3	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.115	1.085	0.961	2.92093277	0	2721.443442	3	907.8128662	-7.127290205	80.78773404
													SQIHDIVLVGGSTR	9	1	1xTMT6plex [N-Term]	1.293	1.225	1.353	2.635152102	0	1710.969998	2	855.9886475	0.011585168	52.25573205
													FDDAVVQSDMK	2	1	2xTMT6plex [N-Term; K11]	-	1.028	1.037	1.057822943	0	1712.892943	2	856.9493408	-0.897784874	65.67622953
													FDDAVVQSDMK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M10]	0.961	-	0.986	1.541090608	0	1728.887858	3	576.9680786	1.055452981	59.496362
													NQVAMNPTNTVFDAK	8	1	2xTMT6plex [N-Term; K15]	1.147	1.148	1.106	2.638571739	0	2108.121045	2	1054.562012	-2.038916366	66.94570571
													NQVAMNPTNTVFDAK	3	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M5]	1.058	1.055	-	1.626113892	0	2124.11596	3	708.7108765	0.9962001	59.66870862
													TVTNAVVTVPAYFNDSQR	8	1	1xTMT6plex [N-Term]	0.965	1.073	1.202	2.889900684	0	2211.160712	2	1106.08252	-1.333995075	78.59667605
													QTQTFTTYSDNQPGVLIQVYEGER	10	1	1xTMT6plex [N-Term]	1.354	1.018	1.119	1.948634386	0	3003.48971	3	1001.834595	-0.159491245	83.818845
													EIAEAYLGK	4	1	2xTMT6plex [N-Term; K9]	1.163	1.169	1.168	1.983324766	0	1451.851002	3	484.6212158	-1.313901399	65.54827802
													HWPFMVVNDAGRPK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M5]	-	-	1.016	1.802228808	0	2128.15262	4	532.7943115	1.313681041	57.61068431
24234688	HSPA9	stress-70 protein, mitochondrial precursor	11.19293078	7	14	6	679	73.635	6.16	0.857	0.615	0.942														
													DQLPADECNK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.972	-	-	1.145458698	0	1647.841242	2	824.4249878	0.884208928	40.28028463
													LYSPSQIGAFVLMK	3	1	2xTMT6plex [N-Term; K14]	0.617	0.615	0.619	1.583316565	0	2012.165476	3	671.3947754	2.135362089	98.98894888
													QAASSLQQASLK	1	1	2xTMT6plex [N-Term; K12]	0.998	-	-	1.367102027	0	1689.989955	2	845.4974976	-1.323228464	48.98135869
													EGSGSSGTGEQK	3	1	2xTMT6plex [N-Term; K12]	1.006	-	1.079	1.350401521	0	1581.81205	3	527.9421387	-0.118329087	23.58686939
													DSETGENIR	1	1	1xTMT6plex [N-Term]	-	-	1.129	1.095444083	0	1249.622175	2	625.3153076	0.931180959	28.07848391
													AQFEGIVTDLIR	2	1	1xTMT6plex [N-Term]	0.92	-	0.983	2.051294565	0	1590.905273	2	795.956543	0.337089523	94.83980617
													NTTIPTK	3	3	2xTMT6plex [N-Term; K7]	0.91	0.877	0.891	0.984594226	0	1232.761459	2	616.8844604	0.150611812	51.17990044
4504517	HSPB1	heat shock protein beta-1	36.58536585	7	27	7	205	22.768	6.4	1.441	1.445	1.475														
													DGVVEITGK	5	1	2xTMT6plex [N-Term; K9]	1.505	1.54	1.555	1.101801157	0	1375.819702	2	688.4137573	0.38983919	54.68093697
													HEERQDEHGYISR	6	1	1xTMT6plex [N-Term]	0.791	0.877	0.852	2.037316799	1	1884.915003	4	471.9843445	0.289323225	18.72824876
													AQLGGPEAAK	6	1	2xTMT6plex [N-Term; K10]	1.261	1.275	1.236	1.506167173	0	1399.830935	2	700.4202271	1.601908849	43.93791688
													QDEHGYISR	4	1	1xTMT6plex [N-Term]	1.665	1.721	1.71	1.44066	0	1333.669794	3	445.2276611	-1.022563133	28.04446626
													VSLDVNHFAPDELTVK	3	1	2xTMT6plex [N-Term; K16]	1.656	1.581	1.642	1.193706751	0	2242.248354	3	748.0865479	-1.455554781	79.95578965
													LATQSNEITIPVTFESR	2	1	1xTMT6plex [N-Term]	1.366	1.057	-	2.003687382	0	2135.154564	2	1068.078247	-2.504080719	82.06409282
													LFDQAFGLPR	1	1	1xTMT6plex [N-Term]	-	-	0.795	0.972389877	0	1392.783701	2	696.8919678	-5.056472959	90.35335275
118343647	HSPB11	intraflagellar transport protein 25 homolog	7.638888889	1	1	1	144	16.287	5.03	1.37	-	-														
													EPVDFEQWIEK	1	1	2xTMT6plex [N-Term; K11]	1.37	-	-	2.100815296	0	1878.004936	3	626.6724854	-1.082667715	92.42713571
662236737	HSPBP1	hsp70-binding protein 1 isoform 1	2.716049383	1	1	1	405	44.445	6.47	1.002	-	-														
													EQEAGLLQFLR	1	1	1xTMT6plex [N-Term]	1.002	-	-	1.257758498	0	1532.863408	2	766.9361572	1.06309089	90.33389356
41399285	HSPD1	60 kDa heat shock protein, mitochondrial	23.38568935	9	24	9	573	61.016	5.87	1.71	1.64	1.544														
													LSDGVAVLK	1	1	2xTMT6plex [N-Term; K9]	1.929	-	-	1.224570155	0	1359.861173	2	680.4333496	-1.28689699	69.40636811
													ALMLQGVDLLADAVAVTMGPK	3	1	2xTMT6plex [N-Term; K21]	0.777	0.63	0.685	1.442816257	0	2571.465423	3	857.8267212	0.072975595	111.1178025
													ALMLQGVDLLADAVAVTMGPK	3	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M]	-	0.57	0.809	1.719284058	0	2587.460338	3	863.1574097	-1.028775612	106.076632
													GVMLAVDAVIAELK	5	1	2xTMT6plex [N-Term; K14]	1.165	1.403	1.257	1.743800879	0	1887.138927	2	944.0714722	-1.72717229	106.7704655
													CEFQDAYVLLSEK	3	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.463	1.503	1.38	2.244228125	0	2060.077449	3	687.3627319	-1.847862186	92.33550912
													IGIEIIK	1	1	2xTMT6plex [N-Term; K7]	-	1.626	-	1.803645849	0	1243.838981	2	622.4215698	-2.506475204	81.27878251
													VGGTSDVEVNEK	4	1	2xTMT6plex [N-Term; K12]	1.893	1.833	2.008	2.436629772	0	1691.9216	2	846.4642944	-0.17028733	50.86776997
													LVQDVANNTNEEAGDGTTTATVLAR	2	1	1xTMT6plex [N-Term]	1.93	1.924	-	1.308626771	0	2789.41146	3	930.4726563	-2.883819801	67.9465287
													CIPALDSLTPANEDQK	1	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	-	-	1.92	0.680152714	0	2230.178954	3	744.0649414	0.590472234	80.3629224
													IQEIIEQLDVTTSEYEK	1	1	2xTMT6plex [N-Term; K17]	-	-	2.156	1.196620345	0	2496.348521	3	832.788269	0.694021244	100.415731
4504523	HSPE1	10 kDa heat shock protein, mitochondrial	54.90196078	6	18	6	102	10.925	8.92	1.441	1.426	1.376														
													GGEIQPVSVK	5	1	2xTMT6plex [N-Term; K10]	1.541	1.526	1.359	1.76816988	0	1471.88845	2	736.4488525	1.344217441	51.28021761
													VVLDDK	1	1	2xTMT6plex [N-Term; K6]	-	1.774	-	1.546198249	0	1146.713446	2	573.8602905	-0.123304835	54.17114117
													VLLPEYGGTK	3	1	2xTMT6plex [N-Term; K10]	1.689	1.636	-	1.527926207	0	1534.924501	2	767.9647827	-1.441282819	67.02341668
													SAAETVTK	4	1	2xTMT6plex [N-Term; K8]	1.379	1.37	1.393	1.700342894	0	1264.751288	2	632.8789673	-0.498010711	33.79602288
													GGIMLPEK	2	1	2xTMT6plex [N-Term; K8]	1.584	1.434	-	1.540391326	0	1302.785565	2	651.8951416	-1.963720618	61.67900117
													GGIMLPEK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M4]	0.945	-	-	0.911378086	0	1318.78048	2	659.8938599	-0.027892009	57.71690643
													VLQATVVAVGSGSK	2	1	2xTMT6plex [N-Term; K14]	-	1.048	-	1.372742534	0	1774.083855	3	592.0336914	1.502673474	71.98733498
629266065	HSPG2	basement membrane-specific heparan sulfate proteoglycan core protein	9.357923497	32	61	32	4392	468.604	6.51	1.144	1.263	1.132														
													RPDGQPATR	1	1	1xTMT6plex [N-Term]	1.381	-	-	0.558469474	0	1226.680299	3	409.5650024	0.126352579	17.80935611
													AQAGANTRPCPS	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.864	0.875	0.994	1.406362295	0	1458.732077	2	729.8687134	-1.320812929	22.35900791
													NELLHFER	2	1	1xTMT6plex [N-Term]	-	1.079	1.012	1.459184766	0	1286.705451	3	429.5731201	-0.500579551	50.34621612
													AFAHLQVPER	3	1	1xTMT6plex [N-Term]	1.294	1.159	1.184	1.476233244	0	1396.789849	3	466.2676392	-1.06334502	51.27257269
													ASYAQQPAESR	3	1	1xTMT6plex [N-Term]	1.291	1.742	1.643	1.719216704	0	1436.733122	2	718.8695679	-0.87925711	26.19135005
													YQLGSGEAR	3	1	1xTMT6plex [N-Term]	-	1.048	1.086	1.466038704	0	1209.642517	2	605.3250732	0.292048577	34.16930805
													ALEVEECR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	2.267	-	0.41546011	0	1234.629903	2	617.8188477	0.41745506	40.42003977

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													YELGSGLAVLR	1	1	1xTMT6plex [N-Term]	-	1.279	-	0.943613648	0	1406.820481	2	703.9135742	-0.43293548	75.43281304
													EHLLMALAGIDTLLIR	2	1	1xTMT6plex [N-Term]	-	1.773	1.433	1.830410957	0	2008.182634	3	670.0653076	-0.629478821	101.0082585
													EQAWQRPDGQPATR	1	1	1xTMT6plex [N-Term]	-	-	1.868	1.026880622	0	1868.956474	3	623.6572266	0.349295187	33.64600038
													SIEYSPQLEDAGSR	2	1	1xTMT6plex [N-Term]	2.391	-	2.286	1.552314401	0	1780.891473	2	890.9488525	-0.586695984	52.43288332
													LHLVSPADSGEYVCR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.666	-	0.715	2.161835909	0	1931.984662	3	644.6675415	1.764383427	57.08700421
													VTVTSEGGR	1	1	1xTMT6plex [N-Term]	0.975	-	-	1.014930248	0	1134.631618	2	567.8192139	-0.411098737	30.84998752
													IPGDQVVSVVFIK	3	1	2xTMT6plex [N-Term; K13]	1.406	1.408	1.193	2.040070057	0	1859.140642	3	620.3821411	-4.718104677	95.76550089
													CEQCQPGYYGDAQR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.077	1.178	1.26	1.481453776	0	1960.847911	2	980.925293	-2.346945152	32.99659913
													LSGSHSQGVAYPVR	3	1	1xTMT6plex [N-Term]	1.283	1.176	1.178	1.663094044	0	1686.912484	3	562.9747314	-1.685063149	39.78244692
													QPDFISFGLVGGRPEFR	1	1	1xTMT6plex [N-Term]	0.521	-	-	1.361934781	0	2151.154839	3	717.7227173	-0.576617968	89.66273781
													DFISLGLQDGHLVFR	2	1	1xTMT6plex [N-Term]	1.042	-	1.122	1.840318441	0	1946.069712	3	649.3609619	-0.709110164	93.36063402
													ATATSCRPCPCPYIDASR	2	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	0.9	1.009	1.039074063	0	2312.078322	3	771.3657837	1.935792649	46.26125849
													SPGPNVAVNAK	3	1	2xTMT6plex [N-Term; K11]	0.921	1.076	0.981	1.890242934	0	1511.894598	2	756.4511719	0.310345708	48.02463393
													LVSEDPINDGEWHR	2	1	1xTMT6plex [N-Term]	1.303	-	1.554	1.106443524	0	1895.944906	3	632.6521606	-1.570281076	60.56418956
													GSVYIGGAPDVATLTGGR	5	1	1xTMT6plex [N-Term]	1.453	1.459	1.547	1.657489896	0	1920.038806	2	960.522583	-0.477497836	74.10806183
													SLPEVPETIELEVR	3	1	1xTMT6plex [N-Term]	1.361	1.159	1.17	1.233221173	0	1840.02651	3	614.0137939	0.173027908	86.42013656
													GCVGEVSVNGK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.929	-	1.226621151	0	1563.856498	2	782.4316406	-0.315566039	54.06671734
													VDSYGGSLR	1	1	1xTMT6plex [N-Term]	-	-	1.11	0.902062476	0	1182.631618	2	591.8197632	0.534559687	44.75066419
													VAAYGGK	1	1	2xTMT6plex [N-Term; K7]	-	1.518	-	1.582196951	0	1123.687565	2	562.3479614	0.961790088	39.66320249
													FSSGITGCVK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.085	-	1.350850105	0	1513.844871	3	505.2860413	-0.858965623	59.54506571
													GMVFGIPDGVLELVPQR	1	1	1xTMT6plex [N-Term]	-	1.315	-	1.771533251	0	2056.146248	3	686.0536499	0.072109186	101.1185172
													EDGRPVPSGTQQR	1	1	1xTMT6plex [N-Term]	-	-	1.155	0.716739595	0	1655.866262	3	552.6271362	0.358574494	21.68356245
													RGSIQVDGEELVSGR	1	1	1xTMT6plex [N-Term]	-	-	0.961	1.435688257	1	1830.987105	3	611.0039673	5.594580891	49.71327679
													TSTASGLLLWQGVEVGEAGQGK	1	1	2xTMT6plex [N-Term; K22]	-	-	1.073	1.642689466	0	2646.450301	4	662.368103	0.106243966	92.23878874
													GHTPTQPGALNQR	1	1	1xTMT6plex [N-Term]	-	-	1.043	1.612356901	0	1605.865868	3	535.9603882	0.462971906	30.38565458
557357733	HSPH1	heat shock protein 105 kDa isoform 3	21.97674419	15	37	13	860	97.398	5.72	1.593	1.574	1.545														
													NHAAPFSK	2	2	2xTMT6plex [N-Term; K8]	0.969	-	0.895	1.552345157	0	1329.767941	2	665.3885498	1.415291584	33.93727164
													VLGTAFDPFLGGK	5	1	2xTMT6plex [N-Term; K13]	1.642	1.566	1.67	1.852768898	0	1780.040928	3	594.0181274	-0.61720254	96.4426536
													SVLDAAQIVGLNCLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.921	-	1.789	1.542555928	0	1858.041783	3	620.0157471	-4.89521772	93.61198779
													KPVTDCVISVPSFFTDAERR	1	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	-	1.723	-	1.05584693	1	2782.496206	4	696.3792725	-0.339891299	79.86331903
													FQEAEERPK	1	1	2xTMT6plex [N-Term; K9]	-	1.681	-	1.041078925	0	1591.884427	3	531.2991333	-0.992828141	37.73363505
													YNHIDESEMK	3	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M9]	1.141	1.406	1.347	2.333208323	0	1739.867457	3	580.6259766	-2.345180079	33.45995436
													IEVPLYSLLEQTHLK	6	1	2xTMT6plex [N-Term; K15]	1.697	1.723	1.715	2.837319613	0	2241.325876	3	747.7814941	1.808341178	98.64765201
													NAVEEYVYEFR	2	1	1xTMT6plex [N-Term]	1.79	1.23	-	2.195687294	0	1647.821603	3	549.9448853	-0.910570828	77.00400593
													ETAENSLK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.652	1.744056344	0	1349.767666	2	675.3875732	0.150962555	40.51505687
													FICEQDHQNFLR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.373	1.277	-	2.165781498	0	1835.906018	3	612.6394043	-1.284760413	58.77723464
													ENLSYDLVPLK	2	1	2xTMT6plex [N-Term; K11]	1.575	1.601	-	2.284067631	0	1749.019858	3	583.6777954	-0.585990792	82.13921675
													VVNVELPIEANLVWQLGK	4	1	2xTMT6plex [N-Term; K18]	1.797	1.898	1.817	2.386259794	0	2479.468852	4	620.6223755	-0.475810323	103.0402083
													FVVQNVSAQK	2	1	2xTMT6plex [N-Term; K10]	-	1.269	0.772	1.084140658	0	1577.941548	2	789.4749146	0.636513795	59.50262099
													NQQITHANNTVSNFK	2	1	2xTMT6plex [N-Term; K15]	-	1.323	1.229	2.208402395	0	2174.171835	3	725.3962402	1.07277313	44.32704062
													DISTTLNADEAVAR	1	2	1xTMT6plex [N-Term]	-	-	1.192	0.896626472	0	1704.896559	2	852.9541626	2.633517729	57.49908391
4506141	HTRA1	serine protease HTRA1 precursor	7.916666667	3	4	3	480	51.255	7.83	0.314	0.298	-														
													CPPQPEHCEGGR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.39	-	-	1.597022891	0	1652.747075	3	551.5872803	0.128471147	22.86502718
													GACGQGQEDPNSLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.19	-	-	0.721730113	0	1717.812512	2	859.40979	-0.12130653	29.3147613
													IAPAVVHIELFR	1	1	1xTMT6plex [N-Term]	-	0.298	-	1.027684093	0	1593.967814	3	531.9938965	-0.425094452	85.56697365
61676188	HUWE1	E3 ubiquitin-protein ligase HUWE1	1.646090535	6	9	6	4374	481.589	5.22	1.201	1.339	1.372														
													SHHAASTTTAPTPAAR	2	1	1xTMT6plex [N-Term]	0.92	0.824	-	1.64516747	0	1805.945575	3	602.6533203	-0.092418344	18.406446
													EGSRGEEDTGQEEGGSR	2	1	1xTMT6plex [N-Term]	1.714	1.582	-	2.02598691	1	2008.900534	3	670.3049316	-0.145625988	16.62323733
													GEEDTGQEEGGSR	2	1	1xTMT6plex [N-Term]	0.778	0.919	-	1.121230125	0	1579.703338	2	790.3549805	-0.413933733	19.4272309
													IALPAPR	1	1	1xTMT6plex [N-Term]	-	1.667	-	1.606808901	0	966.6297672	2	483.8182068	-0.652044663	51.98655988
													LLGPSAAADILQLSSSLPLQSR	1	1	1xTMT6plex [N-Term]	-	0.88	-	0.880901873	0	2466.412904	3	822.8081055	-1.273409551	102.4005662
													HIIEDPCTLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.372	0.870382011	0	1482.793614	3	494.9365234	0.945898665	47.40052422
5453832	HYOU1	hypoxia up-regulated protein 1 precursor	12.91291291	9	16	9	999	111.266	5.22	0.592	0.544	0.73														
													LIPEMDQIFTEVEMTTLEK	1	1	2xTMT6plex [N-Term; K19]	-	1.235	-	1.245402932	0	2725.444412	3	909.1523438	-0.709730124	108.7549335
													LIPEMDQIFTEVEMTTLEK	1	1	2xTMT6plex [N-Term; K19]; 2xOxidation [M5; M14]	1.057	-	-	0.847783864	0	2757.434242	3	919.8168945	0.684699465	98.56391766
													VLQLINDNTATALSYGVFR	2	1	1xTMT6plex [N-Term]	0.455	0.472	-	1.379891276	0	2324.281162	3	775.4331665	1.628327838	99.23668018
													SLAEDFAEQPIK	3	1	2xTMT6plex [N-Term; K12]	0.693	0.731	0.959	1.990077376	0	1806.004936	3	602.6752319	3.436585724	72.01757148
													DAVVYPILVEFTR	1	1	1xTMT6plex [N-Term]	0.468	-	-	0.521570802	0	1750.994088	2	875.996521	-4.753087329	98.36159492
													LAQSVQK	2	1	2xTMT6plex [N-Term; K7]	0.42	0.385	-	1.226486087	0	1231.777443	2	616.392395	0.057136184	45.22039775
													AEAGPEGVAPAPEGEK	3	1	2xTMT6plex [N-Term; K16]	0.445	0.429	0.45	1.762527108	0	1967.048592	2	984.0285645	0.640866858	48.7140044
													VIPPAGQTEDAEPISEPEK	1	1	2xTMT6plex [N-Term; K19]	0.498	-	-	1.447148085	0	2465.317556	3	822.4417114	-2.829080838	65.68292184
													AANSLEAFIFETQDK	1	1	2xTMT6plex [N-Term; K15]	0.782	-	-	1.310042739	0	2142.148306	3	714.7194214	-2.144926115	94.19922958
													GDATPEGEK	1	1	2xTMT6plex [N-Term; K9]	-	0.616	-	0.918572485	0	1361.731281	2	681.3689575	-0.471576842	39.4890607
27734984	HYPK	huntingtin-interacting protein K isoform 1	7.751937984	1	5	1	129	14.656	4.93	1.002	1.071	1.157														
													HDSGAADLER	5	1	1xTMT6plex [N-Term]	1.002	1.071	1.157	2.117928028	0	1299.649058	3	433.8878479	-0.052320915	22.17760357
167466198	ICAM1	intercellular adhesion molecule 1 precursor	9.210526316	4	8	4	532	57.789	7.99	0.3	0.247	0.12														
													ASVSVTAEDEGTQR	2	1	1xTMT6plex [N-Term]	0.161	-	0.416	1.153509736	0	1678.844523	2	839.9247437	-1.377396942	36.72489749
													CQVEGGAPR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.279	0.264	0.157	1.761802197	0	1202.614922	2	601.8117065	1.009879318	25.21364305
													DGTFPLPIGESVTVTR	1	1	1xTMT6plex [N-Term]	0.374	-	-	1.641714215	0	1918.048308	3	640.0201416	-1.270413942	88.64051915
													LLGIETPLPK	2	1	2xTMT6plex [N-Term; K10]	-	0.23	0.101	1.275562286	0	1538.992187	2	769.9996948	-0.047876502	91.12565202
189571583	ICAM5	intercellular adhesion molecule 5 precursor	1.082251082	1	1	1	924	97.056	5.95	-	0.72	-														
													AANDQGEAVK	1	1	2xTMT6plex [N-Term; K10]	-	0.72	-	1.87243247	0	1460.810928	2	730.9080811	-1.398100593	31.25249047

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
155969707	IDE	insulin-degrading enzyme isoform 1	1.472031403	1	1	1	1019	117.893	6.61	1.234	-	-														
													FAQFFLCPLFDESCK	1	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl	1.234	-	-	0.610203028	0	2367.191768	3	789.7333374	-2.665121202	102.9220779
28178825	IDH1	isocitrate dehydrogenase [NADP] cytoplasmic	37.92270531	16	36	16	414	46.63	7.01	1.292	1.305	1.335														
													LIDDMVAQAMK	1	1	2xTMT6plex [N-Term; K11]	-	1.351	-	0.821653366	0	1692.94287	3	564.9863892	1.030312658	92.68325223
													HAYGDQYR	4	1	1xTMT6plex [N-Term]	1.237	1.264	1.293	1.413019538	0	1238.611551	3	413.5419922	-0.102960044	21.70861604
													VEITYTPSDGTQK	9	1	2xTMT6plex [N-Term; K13]	1.354	1.355	1.277	1.897336841	0	1897.031879	2	949.0202637	0.723084185	58.65967783
													HNVGVK	1	1	2xTMT6plex [N-Term; K6]	-	-	1.407	1.427827358	0	1111.698799	3	371.2384033	1.671163934	27.00846533
													SQFEAQK	1	1	2xTMT6plex [N-Term; K7]	-	1.2	-	1.2851156	0	1295.735972	2	648.3717651	0.217276855	46.57125116
													CATITPDEK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.388	1.374	-	1.54122448	0	1492.808151	2	746.9077759	0.083170642	51.98038793
													ATDFVVPGPGK	3	1	2xTMT6plex [N-Term; K11]	1.265	1.322	1.367	1.282645583	0	1545.9041	2	773.4550171	-0.868372309	65.91566878
													SEGGFIWACK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.148	0.824	-	1.347942114	0	1612.85577	2	806.9333496	2.26473986	75.5470976
													TVEAEAAHGTVTR	2	1	1xTMT6plex [N-Term]	-	1.314	1.329	1.660298467	0	1570.83865	3	524.2858276	2.724442868	29.2473863
													GQETSTNPIASIFAWTR	2	1	1xTMT6plex [N-Term]	1.01	1.25	-	1.492986917	0	2108.097384	3	703.3704834	-0.230873911	98.60831705
													DAAEAIK	1	1	2xTMT6plex [N-Term; K7]	-	1.31	-	1.880022645	0	1175.703609	2	588.3545532	-1.513625265	42.5172492
													DIFQEIYDK	3	1	2xTMT6plex [N-Term; K9]	1.316	1.322	1.265	1.927242041	0	1628.893595	3	543.6368408	1.457677128	86.89795002
													DATNDQVTK	2	1	2xTMT6plex [N-Term; K9]	-	1.387	1.332	1.634991288	0	1449.794943	2	725.4009399	-0.234624344	32.95635562
													SDYLNTFEFMDK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.997	1.007095575	0	1967.982486	2	984.4951782	0.301733027	92.18431631
													IWYEHR	1	1	1xTMT6plex [N-Term]	-	-	1.581	1.345479131	0	1132.610094	3	378.2087097	1.308058614	41.11658709
													NILGGTVFR	1	1	1xTMT6plex [N-Term]	-	-	1.187	0.881417572	0	1205.720373	2	603.3647461	1.528163197	68.63887618
40018633	IDI1	isopentenyl-diphosphate Delta-isomerase 1 isoform a	29.57746479	7	12	7	284	32.465	7.88	1.423	1.68	2.007														
													NCHLNENIEK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	2.12	2.648	1.543477654	0	1728.910325	3	576.9743652	-1.030757264	37.24941759
													SYCYVSK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	-	2.162	1.572362542	0	1364.728444	2	682.8671265	-1.075606154	45.42308835
													AASGEIK	1	1	2xTMT6plex [N-Term; K7]	-	1.663	-	1.317680717	0	1133.693045	2	567.3500977	-0.111183094	33.82803502
													NVTLNPDPNEIK	3	1	2xTMT6plex [N-Term; K12]	1.563	1.569	1.528	1.725480676	0	1812.026734	2	906.5164795	-0.580430523	63.51463742
													WWDNLNHLNQFVDHEK	1	1	2xTMT6plex [N-Term; K16]	1.262	-	-	2.041286707	0	2553.303912	4	639.078064	-5.281702097	84.06549904
													AELGIPLEEVPPEEINYLTR	3	1	1xTMT6plex [N-Term]	1.619	1.417	1.721	1.898504853	0	2511.354386	2	1256.180298	-0.424821316	96.45321412
													AFSVFLFNTENK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.249	0.838366926	0	1875.041656	3	625.6858521	0.718358624	95.88416435
112789562	IFI16	gamma-interferon-inducible protein 16 isoform 2	1.646090535	1	1	1	729	82.044	9.32	-	0.199	-														
													TEGAEATPGAQK	1	1	2xTMT6plex [N-Term; K12]	-	0.199	-	1.164595842	0	1617.884821	2	809.4440918	-2.419211924	42.9486638
29150261	IFI30	gamma-interferon-inducible lysosomal thiol reductase preproprotein	3.6	1	4	1	250	27.945	4.88	-	1.175	1.19														
													CQHGEEECK	4	1	2xTMT6plex [N-Term; K9]; 2xCarbamidomethyl	-	1.175	1.19	1.662576318	0	1634.766697	3	545.593689	-0.112239544	21.47241528
116534937	IFIT1	interferon-induced protein with tetratricopeptide repeats 1 isoform 1	5.439330544	2	2	2	478	55.325	7.2	-	0.461	0.187														
													VLDQIEFLDTK	1	1	2xTMT6plex [N-Term; K11]	-	0.461	-	1.351429701	0	1779.030423	3	593.6821289	0.793082981	93.18161512
													ALDLESLSLLGFVYK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.187	0.875625849	0	2126.251314	3	709.421814	-0.200152948	104.7991663
631226390	IGF2BP2	insulin-like growth factor 2 mRNA-binding protein 2 isoform c	2.148760331	1	2	1	605	66.745	8.46	0.514	-	0.689														
													EQGHAPGGTSQAR	2	1	1xTMT6plex [N-Term]	0.514	-	0.689	1.769572139	0	1524.771633	3	508.9287415	0.024931756	16.49658373
62243248	IGFBP3	insulin-like growth factor-binding protein 3 isoform a precursor	8.080808081	2	2	2	297	32.202	8.62	-	-	0.433														
													CEPCDAR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	0.406	0.353038758	0	1136.502595	2	568.7550049	0.121834852	20.75374116
													ALAQCAPPPAVCAELVR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	0.683	0.870690346	0	2052.093167	3	684.7023315	-0.353790513	73.22808718
11321593	IGFBP6	insulin-like growth factor-binding protein 6 precursor	40	7	27	7	240	25.306	7.81	0.228	0.277	0.289														
													RGPCWCVDR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.319	-	0.845797062	1	1434.693189	3	478.90271	0.269948178	34.21657573
													HLDSVLQQLQTEVYR	2	1	1xTMT6plex [N-Term]	0.182	-	0.203	1.580528378	0	2058.118119	3	686.7078247	-4.469247329	86.37390901
													GAQTLYVPNCDHR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.196	0.264	0.338	1.898608804	0	1759.874718	3	587.2971191	1.185284301	41.31986899
													APAVAEENPK	6	1	2xTMT6plex [N-Term; K10]	0.236	0.213	0.29	2.130969763	0	1483.852064	2	742.430603	1.256887214	44.30101089
													EGQECGVYTPNCAPGLQCHPPK	7	1	2xTMT6plex [N-Term; K22]; 3xCarbamidomethyl	0.23	0.306	0.237	2.462290525	0	2957.410838	3	986.4743652	-0.776350328	52.63430368
													DDEAPLR	1	1	1xTMT6plex [N-Term]	0.213	-	-	1.216272473	0	1044.552305	2	522.7797852	-0.010499713	29.67036599
													SLPGSPDGNGSSSCPTGSSG	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.548	0.412	0.47	1.276963592	0	2036.902843	3	679.6382446	-1.306941709	44.92000199
4504619	IGFBP7	insulin-like growth factor-binding protein 7 isoform 1 precursor	56.02836879	11	65	11	282	29.111	7.9	0.407	0.418	0.411														
													DACGCCPMCAR	5	1	1xTMT6plex [N-Term]; 4xCarbamidomethyl	0.507	0.629	0.577	1.625290155	0	1586.620361	2	793.8146362	1.030656721	30.53411914
													DACGCCPMCAR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M8];	0.25	0.24	0.26	0.72526592	0	1602.615276	2	801.8114014	0.156328458	22.74998497
													GYCAPGMECVK	6	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	0.488	0.505	0.5	2.504853487	0	1729.84759	2	865.4265137	-1.063270695	54.13141636
													GTCEQGPSIVTPPK	8	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.522	0.489	0.505	1.91947484	0	1929.051569	2	965.0299683	0.565543947	53.09072063
													TELLPGDRDNLAIQTR	3	1	1xTMT6plex [N-Term]	0.579	0.478	-	1.127909899	1	2041.123933	2	1021.066223	0.6060039	59.08907921
													ITVVDALHEIPVK	4	1	2xTMT6plex [N-Term; K13]	0.531	0.477	0.579	1.271558642	0	1892.162105	2	946.585144	0.478852174	90.31247399
													GEGEPCGGGGAGR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.401	0.4	0.404	1.513863444	0	1389.637842	2	695.3233643	1.15841378	23.95721932
													HEVTGWVLVSPLSK	5	1	2xTMT6plex [N-Term; K14]	0.476	0.693	0.483	1.862366676	0	2010.178818	3	670.7315063	0.570960632	80.49998908
													EDAGEYECHASNSQGQASASAK	10	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	0.51	0.578	0.564	2.162138462	0	2755.262971	2	1378.134644	-0.348522314	32.58031109
													SRYPVCGSDGTTYPSGCQLR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.274	0.303	0.285	1.760219336	1	2490.170308	3	830.7282104	-0.092247644	44.85388594
													AGAAAGGPGVSGVCVCK	11	1	2xTMT6plex [N-Term; K17]; 2xCarbamidomethyl	0.228	0.234	0.228	3.195037365	0	1976.045772	3	659.3533936	-0.073361629	53.91526669
													ALTQVSK	2	1	2xTMT6plex [N-Term; K7]	-	0.381	-	1.391655803	0	1204.766544	2	602.8878174	1.505798475	45.41630123
295986608	IGLL5	immunoglobulin lambda-like polypeptide 5 isoform 1	29.90654206	5	19	5	214	23.049	8.84	0.69	0.832	0.862														
													VTVLGQPK	1	1	2xTMT6plex [N-Term; K8]	-	0.838	-	1.001546621	0	1299.840043	2	650.4238281	0.258762608	55.32783603
													ADGSPVK	1	1	2xTMT6plex [N-Term; K7]	0.558	-	-	1.113642693	0	1131.677395	2	566.3429565	1.097296759	33.06213108
													SYSCQVTHEGSTVEK	8	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.827	0.854	0.83	2.308902264	0	2170.085054	3	724.0342407	1.435505011	37.63008834
													ANPTVTLFPPSSEELQANK	6	1	2xTMT6plex [N-Term; K19]	0.775	0.805	0.77	1.951490402	0	2501.365175	3	834.4603271	0.501192439	82.22711982
													YAASSYLSLTPEQWK	3	1	2xTMT6plex [N-Term; K15]	1.061	0.797	1.094	2.045959234	0	2202.184691	2	1101.591797	-3.802610214	89.90556047
283436131	IGSF1	immunoglobulin superfamily member 1 isoform 3 precursor	0.969425802	1	1	1	1341	149.329	5.9	3.921	-	-														
													WSEPSEPLELVIK	1	1	2xTMT6plex [N-Term; K13]	3.921	-	-	1.470795155	0	1985.13595	3	662.3809204	-3.900080259	94.40210168
27894330	IL1A	interleukin-1 alpha precursor	10.33210332	2	4	2	271	30.587	5.2	0.484	0.332	0.473														
													SAPFSFLSNVK	2	1	2xTMT6plex [N-Term; K11]	0.477	0.332	-	1.68678391	0	1654.956864	3	552.3209229	-5.22580709	90.88502828
													TQLYVTAQDEDQPVLLK	2	1	2xTMT6plex [N-Term; K17]	0.505	-	0.473	1.533434868	0	2419.348462	3	807.1228638	2.304830694	80.82583229
10835145	IL1B	interleukin-1 beta proprotein	10.78066914	2	2	2	269	30.728	4.83	1.091	-	-														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													CSFQDLDLCPLDGGIQLR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.095	-	-	2.049701929	0	2336.157618	3	779.3865356	-5.378175817	93.16324208
													SLVMSGPYELK	1	1	2xTMT6plex [N-Term; K11]	1.088	-	-	1.264651299	0	1681.9599	2	841.4814453	-2.548357425	76.38088542
24234747	ILF2	interleukin enhancer-binding factor 2 isoform 1	26.15384615	9	22	9	390	43.035	5.26	0.547	0.614	0.59														
													KLDPELHLDIK	2	1	3xTMT6plex [N-Term; K1; K11]	-	0.387	0.397	1.611309767	1	2008.240973	4	502.815155	-1.087136873	68.33510236
													VKPAPDETSFSEALLK	2	1	3xTMT6plex [N-Term; K2; K16]	0.536	0.654	-	1.768988252	0	2419.405138	3	807.1435547	4.535326609	76.42888506
													ILITTVPPNLR	2	1	1xTMT6plex [N-Term]	0.594	-	0.596	1.150864244	0	1465.930366	2	733.468689	-0.1803362	86.47755482
													ILPTLEAVAALGNK	5	1	2xTMT6plex [N-Term; K14]	0.56	0.577	0.597	2.253244638	0	1868.162105	2	934.5848389	0.158291603	100.434403
													NQDLAPNSAEQASILSLVTK	3	1	2xTMT6plex [N-Term; K20]	0.377	0.401	0.394	1.10003829	0	2557.423752	4	640.109314	-3.255616367	93.55952737
													LDPELHLDIK	2	1	2xTMT6plex [N-Term; K10]	-	0.843	0.918	1.440183759	0	1650.983079	3	551.0001221	1.656256186	77.63955672
													AYEKPPEK	2	1	3xTMT6plex [N-Term; K4; K8]	0.765	0.785	-	1.387248039	0	1648.987719	3	550.3336792	-0.748782013	38.15793593
													WFEENASQSTVK	3	1	2xTMT6plex [N-Term; K12]	0.865	0.781	0.968	1.357699156	0	1883.990349	2	942.4971924	-1.71999521	64.11062976
													QPLALNVAYR	1	1	1xTMT6plex [N-Term]	-	0.702	-	0.437505543	0	1373.810251	2	687.4086914	-0.10510731	59.75613204
212549553	ILF3	interleukin enhancer-binding factor 3 isoform d	17.48329621	14	36	14	898	95.748	8.81	0.543	0.606	0.551														
													QQGPILTK	1	1	2xTMT6plex [N-Term; K8]	-	0.844	-	1.125815153	0	1342.845857	2	671.9262085	-0.533596473	48.2158668
													YELISETGGSHDK	5	1	2xTMT6plex [N-Term; K13]	0.624	0.675	0.671	1.594277978	0	1893.995828	3	632.0036011	0.222868842	50.05469472
													LHVAVK	2	1	2xTMT6plex [N-Term; K6]	0.528	0.52	-	0.786141276	0	1124.755585	3	375.5900269	-0.051721098	44.94798111
													GWPLELLCEK	10	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.623	0.636	0.639	1.387823105	0	1702.960235	3	568.3244629	-0.821803173	96.25341512
													EKPTTALLDK	1	1	3xTMT6plex [N-Term; K2; K10]	-	0.783	-	0.977572024	0	1803.119461	3	601.7116089	0.450325213	54.87284787
													RPMEEDGEEK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M3]	-	0.739	-	0.447929561	0	1693.846721	3	565.2872925	0.355942128	26.53153038
													EDITQSAQHALR	1	1	1xTMT6plex [N-Term]	0.962	-	-	1.106188178	0	1597.849549	3	533.2874756	-1.048610733	44.02349761
													AVSDWIDEQEK	2	1	2xTMT6plex [N-Term; K11]	0.706	1.148	-	1.67794466	0	1777.93725	2	889.4725952	0.373123229	68.92262297
													LFPDTPLALDANK	5	1	2xTMT6plex [N-Term; K13]	0.437	0.408	0.433	1.547839761	0	1873.083521	3	625.0292358	-5.534435787	93.35507708
													EATDAIGHLDR	4	1	1xTMT6plex [N-Term]	0.521	0.641	0.565	1.385581493	0	1426.748772	2	713.876709	-1.844116708	40.55919119
													GDLDLELVLLCK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.671	0.666	-	1.240810394	0	1846.075993	3	616.0302124	0.049362557	99.53182847
													VADNLAIQLAAVTEDK	2	1	2xTMT6plex [N-Term; K16]	0.488	-	0.55	1.637646914	0	2129.221805	3	710.4127808	0.931845218	95.25984773
													YEILQSVDDAAIVIK	4	1	2xTMT6plex [N-Term; K15]	0.554	0.638	0.583	1.941767454	0	2135.236392	2	1068.117554	-4.009667574	95.688012
													VLGMDPLPSK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.617	1.141826749	0	1514.901657	3	505.6391907	0.898805198	80.98419088
221625487	IMPA1	inositol monophosphatase 1 isoform 2	2.976190476	1	1	1	336	36.671	7.91	-	-	1.412														
													LFCIPVHGIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.412	1.468840003	0	1440.834692	3	480.9493713	-0.784813369	74.96048086
8923819	IMPACT	protein IMPACT	2.5	1	1	1	320	36.439	4.97	-	1.186	-														
													IRDVLIQK	1	1	2xTMT6plex [N-Term; K8]	-	1.186	-	1.722812653	1	1442.945905	3	481.653717	0.479992385	59.40667256
4504699	INHBA	inhibin beta A chain precursor	22.53521127	9	27	9	426	47.412	8.03	0.305	0.372	0.318														
													EQSHRPFLMLQAR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	0.545	-	-	0.750110209	0	1857.995502	4	465.2547302	0.855162693	39.60225744
													AALLNAIR	1	1	1xTMT6plex [N-Term]	-	2.004	-	1.116276264	0	1070.688345	2	535.8477783	-0.060390472	65.43508906
													AEVWLFLK	1	1	2xTMT6plex [N-Term; K8]	-	0.331	-	1.137115717	0	1463.902644	2	732.4554443	0.661609486	97.56090595
													HPQGSLDTGEEAEEVGLK	2	1	2xTMT6plex [N-Term; K18]	-	0.459	0.442	1.767904282	0	2354.22399	3	785.4110718	-2.262969875	52.13807607
													GGGEGGAGADEEK	8	1	2xTMT6plex [N-Term; K13]	0.402	0.383	0.438	2.198532104	0	1591.7964	3	531.2700806	-0.44693579	29.85822558
													RPDVTQPVPK	3	1	2xTMT6plex [N-Term; K10]	0.157	0.126	0.12	1.178550959	0	1594.968097	3	532.328125	1.081250467	39.94534118
													TLHFEISK	7	1	2xTMT6plex [N-Term; K8]	0.309	0.305	0.32	1.809982777	0	1432.856422	3	478.2900696	-0.534652149	60.61996855
													SELLLSEK	3	1	2xTMT6plex [N-Term; K8]	0.381	0.412	0.428	1.612044454	0	1376.840103	2	688.9216919	-2.90200796	64.05986611
													EGSDLSVVER	1	1	1xTMT6plex [N-Term]	-	-	0.409	1.684289694	0	1319.700425	2	660.3550415	1.80427146	45.79157452
297374823	INS	insulin preproprotein	25.45454545	2	391	2	110	11.973	5.3	0.847	0.809	0.784														
													GIVEQCCTSICSLYQLENYCN	363	1	1xTMT6plex [N-Term]; 4xCarbamidomethyl	0.931	0.85	0.917	2.528815746	0	2840.256088	2	1420.630737	-0.665468383	113.8314241
													GFFYTPK	28	1	2xTMT6plex [N-Term; K7]	0.732	0.768	0.757	1.615305305	0	1317.76073	2	659.3840942	0.137715868	102.9490655
198041777	IPO11	importin-11 isoform 1	1.97044335	1	1	1	1015	116.932	5.41	1.196	-	-														
													LSALALLSLLPSDNSVIQDK	1	1	2xTMT6plex [N-Term; K20]	1.196	-	-	1.518221498	0	2555.506025	3	852.5059204	-1.102360747	106.1166782
24797086	IPO5	importin-5	22.42152466	18	51	18	1115	125.464	4.92	2.167	2.189	2.057														
													TAGLEEK	2	1	2xTMT6plex [N-Term; K7]	1.802	1.971	-	1.394557953	0	1205.714174	2	603.3612671	0.898637265	38.6707759
													QAEETYENIPGQSK	4	1	2xTMT6plex [N-Term; K14]	2.091	2.113	2.143	2.001195669	0	2052.06497	2	1026.534912	-1.180450563	48.20340009
													AIGTEPDSDVLSEIMHSFAK	4	1	2xTMT6plex [N-Term; K20]	2.008	2.287	2.139	2.349057913	0	2605.358375	3	869.1238403	-0.539965603	99.57392118
													VIAALLQTMEDQGNQR	3	1	1xTMT6plex [N-Term]	2.004	1.996	2.015	1.78137064	0	2016.07454	3	672.6958618	-0.747765398	99.62022
													SLLIPYLDNLVK	10	1	2xTMT6plex [N-Term; K12]	2.273	2.263	2.236	2.086863279	0	1846.145393	2	923.5767822	0.484844329	101.0418609
													HEDPCAK	2	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	2.229	2.257	-	1.316781163	0	1314.687642	3	438.9007263	-0.012424945	22.57872349
													FMQDASDVMQLLLK	2	1	2xTMT6plex [N-Term; K14]	2.026	-	1.825	1.639352322	0	2097.14884	3	699.7196045	-2.183718843	105.0760797
													LVLEQVVTSIASVADTAEEK	9	1	2xTMT6plex [N-Term; K20]	2.102	2.017	2.084	2.078773499	0	2560.44857	3	854.1544189	0.052282221	106.4990547
													SLVEIADTVPK	2	1	2xTMT6plex [N-Term; K11]	-	2.212	-	1.67155385	0	1629.982744	2	815.494812	-0.243399241	79.59451483
													HFADLLPGFLQAVNDSCYQNDDSVLK	2	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl	2.114	-	2.271	1.366934657	0	3424.724761	3	1142.248779	2.050766445	98.47283163
													ENVNATENCISAVGK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.051	1.141	-	2.440794945	0	2064.079574	2	1032.544678	1.21330533	55.77385602
													VSDILHSIFSSYK	1	1	2xTMT6plex [N-Term; K13]	-	1.77	-	1.270916104	0	1954.104984	3	652.0402222	0.577673111	97.58703863
													LEEHFK	1	1	2xTMT6plex [N-Term; K6]	-	2.328	-	1.210642934	0	1260.735244	3	420.9163818	-0.516866797	47.2846461
													FLFDSVSSQNVGLR	1	1	1xTMT6plex [N-Term]	-	-	1.509	1.03864634	0	1797.969664	3	599.9950562	0.528983915	89.54086951
													EFQQYLPVVMGPLMK	1	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M14]	-	-	1.709	1.092161298	0	2254.23799	3	752.0830688	-1.479988824	97.16919143
													VAAAESMPLLLECAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.487	1.63327992	0	1859.992056	3	620.6686401	-0.3704101	88.34290297
													FVPYYDLFMPSLK	4	1	2xTMT6plex [N-Term; K13]	-	1.33	2.075	1.076784015	0	2078.143678	2	1039.575928	0.43341024	102.30907
													EGFVEYTEQVVK	2	1	2xTMT6plex [N-Term; K12]	-	-	1.925	1.05312264	0	1886.031151	3	629.3490601	0.782673065	75.9682147
5453998	IPO7	importin-7	11.56069364	9	16	9	1038	119.44	4.82	1.614	1.234	1.422														
													VLTGVAGEDAECHAAK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	2.045	-	1.656	1.473305345	0	2086.10031	3	696.0377197	-0.816844859	49.73150216
													NPVWYQALTHGLNEEQR	1	1	1xTMT6plex [N-Term]	1.09	-	-	1.689633608	0	2284.167194	3	762.0593262	-1.650152574	76.03662959
													GIDQCIPLFVEAALER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.052	-	1.330575585	0	2060.104778	2	1030.554565	-1.419025215	99.36025557
													ETENDDLTNVIQK	1	1	2xTMT6plex [N-Term; K13]	1.421	-	-	1.351537704	0	1977.054071	2	989.0317993	1.138604576	62.74961543
													EYNEFAEVFLK	6	1	2xTMT6plex [N-Term; K11]	1.54	1.328	1.285	2.37191081	0	1846.999122	3	616.3364868	-2.282205081	94.66751748
													QLQDIATLADQR	1	1	1xTMT6plex [N-Term]	-	1.099	-	0.940382421	0	1600.8856	2	800.9465942	0.194690091	72.65259965

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													FIQLLSDQSDQSVLIQK	2	1	2xTMT6plex [N-Term; K17]	-	1.268	1.57	1.167808652	0	2420.380096	3	807.4642944	-0.729765222	96.46210217
													QAGVIYLK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.509	1.652717352	0	1349.855693	2	675.4320679	0.863634678	67.02755194
													LLEVIILQCK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	2.065	-	-	1.121517301	0	1687.059221	3	563.0224609	-3.788318407	98.53922232
21361659	IPO9	importin-9	13.16042267	8	14	8	1041	115.889	4.81	0.957	0.941	0.961														
													IPAGLCATAIDILTTVVR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.93	-	0.722	1.713391185	0	2113.225227	3	705.0797729	-0.21835455	108.0253437
													LLQHGINADDK	1	1	2xTMT6plex [N-Term; K11]	0.992	-	-	0.98361969	0	1681.96374	3	561.3259277	-0.30325676	48.40329236
													FTVAMSPELIQQFLQATVSGLHETQPPSVR	1	1	1xTMT6plex [N-Term]	0.769	-	-	0.890566409	0	3540.872204	3	1180.961914	-0.28678033	107.5165795
													EALVDTLTGILSPVQEVR	2	1	1xTMT6plex [N-Term]	0.781	0.774	-	1.878212333	0	2169.232814	3	723.7490845	-0.052669326	99.79071604
													HLQEAEQTK	3	1	2xTMT6plex [N-Term; K9]	1	0.982	1.04	2.361076593	0	1541.868777	3	514.6276245	-0.296247548	29.33926105
													IAAQDLLLAVATDFQNESAAALAAAATR	2	1	1xTMT6plex [N-Term]	0.3	-	2.4	1.796034455	0	3015.631229	3	1005.882507	0.576822073	110.8287416
													LIPTLVSIMQAPADK	1	1	2xTMT6plex [N-Term; K15]	-	0.728	-	0.837582588	0	2055.228805	2	1028.119507	1.426781227	102.7200353
													LVSTLISK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.892	0.999637961	0	1318.871009	2	659.939209	0.100327287	77.80739423
4506787	IQGAP1	ras GTPase-activating-like protein IQGAP1	25.76946288	30	55	30	1657	189.134	6.48	0.904	0.866	0.949														
													EELQSGVDAANSAAQQYQR	2	1	1xTMT6plex [N-Term]	0.902	0.866	-	1.103853941	0	2294.121032	3	765.3814087	3.766494487	54.36402936
													RQSGQTDPLQK	1	1	2xTMT6plex [N-Term; K11]	1.152	-	-	0.884883165	1	1715.980453	3	572.6656494	1.131896453	33.36577917
													FLSAIVSSVDK	3	1	2xTMT6plex [N-Term; K11]	0.878	-	0.876	1.885319471	0	1623.972179	2	812.4857178	-4.938848846	94.95837486
													GLQQQNSDWYLK	1	1	2xTMT6plex [N-Term; K12]	1.112	-	-	1.391108632	0	1938.048532	2	969.5274048	-0.515585483	67.21610878
													VDQIQEIVTGNPTVIK	2	1	2xTMT6plex [N-Term; K16]	0.909	1.051	-	1.933554888	0	2212.295304	3	738.1028442	-0.598805753	90.19087274
													NVIFEISPTEEVGDFEVK	3	1	2xTMT6plex [N-Term; K18]	0.925	0.987	0.981	2.365022182	0	2510.343042	3	837.4537964	1.511271604	95.77164296
													GVLLEIEDLQVNQFK	3	1	2xTMT6plex [N-Term; K15]	0.915	0.953	-	1.348531604	0	2203.273841	2	1102.141113	0.50353818	98.11951045
													LEAYQHLFYLLQTNPTYLAK	2	1	2xTMT6plex [N-Term; K20]	0.632	-	0.735	1.282624602	0	2884.601322	3	962.2070313	1.808950152	99.47139906
													LAVGDNNSK	1	1	2xTMT6plex [N-Term; K9]	-	1.018	-	1.376372695	0	1375.79455	2	688.4008789	-0.049693103	52.00358176
													EDSNLTLQEK	2	1	2xTMT6plex [N-Term; K10]	0.815	0.644	-	1.422489285	0	1634.900137	2	817.9545898	1.080431435	56.17722179
													TLQALQIPAAK	3	1	2xTMT6plex [N-Term; K11]	0.859	0.916	0.937	1.767076969	0	1612.019798	2	806.5147095	1.454030102	78.69674363
													LGLAPQIQDLYGK	1	1	2xTMT6plex [N-Term; K13]	0.935	-	-	0.873969972	0	1874.115155	2	937.5618286	0.653848062	89.57660203
													DSLHEK	1	1	2xTMT6plex [N-Term; K6]	-	0.861	-	2.312323093	0	1186.683208	3	396.2329712	0.970784967	26.29879834
													LTELGTVDPK	2	1	2xTMT6plex [N-Term; K10]	0.757	0.851	-	2.291774273	0	1530.91433	3	510.9757996	-0.969902972	67.2483678
													VDFTEEEINNMK	2	1	2xTMT6plex [N-Term; K12]	1.108	0.905	-	1.554460287	0	1926.9883	3	643.0005493	-0.625302593	75.19795385
													SPDVGLYGVIPECGETYHSDLAEAK	1	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	1.019	-	-	2.067949533	0	3165.581451	3	1055.862915	-2.293213087	79.92559349
													IPADTFAALK	3	1	2xTMT6plex [N-Term; K10]	0.755	0.778	0.788	1.958593488	0	1504.913936	2	752.9597168	-1.182417284	84.25030576
													FQPGETLTEILETPATSEQEAEHQR	3	1	1xTMT6plex [N-Term]	0.945	1.233	1.839	2.172918081	0	3070.516653	3	1024.172119	-4.835908677	91.04102214
													ITLQDVVSHSK	2	1	2xTMT6plex [N-Term; K11]	0.873	0.872	-	2.555956125	0	1684.999791	3	562.3374634	-1.15981218	66.84763844
													ILAIGLINEALDEGDAQK	4	1	2xTMT6plex [N-Term; K18]	1.118	1.008	1.076	3.289431095	0	2341.337897	3	781.1174316	-0.066431302	100.8903855
													YMNPAIVAPDAFDIIDLSAGGQLTTDQR	1	1	1xTMT6plex [N-Term]	-	0.642	-	1.289747	0	3221.634994	3	1074.549316	-0.496006299	101.9976759
													ALQSPALGLR	1	1	1xTMT6plex [N-Term]	-	1.017	-	1.251126051	0	1254.773137	2	627.8904419	0.374831951	58.59808089
													LPYDVTPEQALAHEEVK	2	1	2xTMT6plex [N-Term; K17]	-	1.009	1.164	1.971815228	0	2397.306597	3	799.7731323	-0.73139053	75.54390908
													EEIQSSISGVTAAYNR	2	1	1xTMT6plex [N-Term]	-	1.039	1.025	1.138690948	0	1954.0079	2	977.5050659	-2.58173678	62.50632241
													TEVSLTLTNK	1	1	2xTMT6plex [N-Term; K10]	-	0.833	-	0.795063972	0	1563.935794	3	521.9821167	-2.555803351	64.42120216
													FFQTACDVPELQDK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	1.003	-	1.061357141	0	2156.109812	3	719.3742065	-0.809620681	84.18101574
													LEGVLAEVAQHYQDTLIR	2	1	1xTMT6plex [N-Term]	-	0.454	0.761	1.665353894	0	2284.249861	3	762.0881958	0.075605715	97.3531986
													ATFYGEQVDYYK	1	1	2xTMT6plex [N-Term; K12]	-	1.132	-	0.874764562	0	1941.999851	2	971.5016479	-1.972905179	67.58260799
													ALESGDVNTVWK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.059	1.631491423	0	1776.98962	3	593.0025635	1.979082853	67.60372877
													TALQEEIK	1	1	2xTMT6plex [N-Term; K8]	0.862	-	-	1.093516946	0	1389.835352	2	695.4221191	1.158353936	52.32233331
308199446	IRF3	interferon regulatory factor 3 isoform 2	1.548672566	1	1	1	452	49.104	6.52	-	0.966	-														
													DPHDPHK	1	1	2xTMT6plex [N-Term; K7]	-	0.966	-	1.301168561	0	1303.715905	3	435.2432861	-0.460415923	22.14724684
5453700	IRF6	interferon regulatory factor 6 isoform 1	2.355460385	1	2	1	467	53.096	5.33	1.35	1.345	-														
													FPGPEHITNEK	2	1	2xTMT6plex [N-Term; K11]	1.35	1.345	-	1.07886517	0	1726.952841	3	576.3224487	-0.02782276	51.69804308
56090582	IRGQ	immunity-related GTPase family Q protein	1.444622793	1	1	1	623	62.678	4.88	-	-	0.707														
													AHFPGPVTR	1	1	1xTMT6plex [N-Term]	-	-	0.707	1.126321554	0	1210.689407	3	404.2345581	-0.236405466	37.3964215
4826774	ISG15	ubiquitin-like protein ISG15 precursor	12.12121212	1	5	1	165	17.876	7.44	0.163	0.107	0.125														
													VPLASQGLGPGSTVLLVVDK	5	1	2xTMT6plex [N-Term; K20]	0.163	0.107	0.125	1.506574035	0	2408.452867	3	803.4904175	1.590976289	98.21200322
103471987	ISOC1	isochorismatase domain-containing protein 1	11.0738255	2	6	2	298	32.216	7.39	1.082	1.185	1.127														
													ILGIPVIVTEQYPK	3	1	2xTMT6plex [N-Term; K14]	1.092	1.181	1.145	1.463609457	0	2028.25092	3	676.755188	0.044548159	98.00324257
													TGIIVTTSEAVLLQLVADK	3	1	2xTMT6plex [N-Term; K19]	0.993	1.22	0.927	1.408717513	0	2429.463098	3	810.4918823	-0.82486017	107.4870192
38569398	ITGA10	integrin alpha-10 isoform 1 precursor	2.399314482	1	1	1	1167	127.522	6.68	-	0.937	-														
													MALEDEFPPALQNHAAYLGYSVSSMLLR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	-	0.937	-	0.567044079	0	3368.68565	4	842.9276123	0.881545225	66.85618917
4504747	ITGA3	integrin alpha-3 preproprotein	3.330161751	4	7	4	1051	116.538	6.77	0.859	1.457	1.103														
													SQPSETER	1	1	1xTMT6plex [N-Term]	2.689	-	-	1.914913177	0	1162.590147	2	581.7987061	-0.009591192	18.34246538
													ECGPDNK	2	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	0.788	-	0.793	0.904507518	0	1277.656008	2	639.3311157	-0.823950016	25.96283803
													QPQQVIHGEK	3	1	2xTMT6plex [N-Term; K10]	0.668	1.457	1.414	1.679729462	0	1621.942611	3	541.3192139	0.294493504	35.32219641
													AAFVSEQQQK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.79	1.072152495	0	1593.900077	2	797.4535522	-0.156413702	50.0527116
119395740	ITGA6	integrin alpha-6 isoform a preproprotein	2.566452796	3	4	3	1091	121.977	6.8	2.405	1.289	1.326														
													TGGLYSCDITAR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.289	1.15	1.661591053	0	1542.778358	2	771.8936768	1.113967937	49.20083639
													DGDDAHEAK	1	1	2xTMT6plex [N-Term; K9]	2.405	-	-	1.116782069	0	1415.716693	3	472.5766602	-0.894176961	21.649039
													NQGSEPK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.553	1.189383745	0	1217.689022	2	609.3483276	0.292942969	27.26482165
222418613	ITGA7	integrin alpha-7 isoform 1 precursor	0.525854514	1	1	1	1141	124.611	5.92	-	1.308	-														
													ANITVK	1	1	2xTMT6plex [N-Term; K6]	-	1.308	-	1.622781277	0	1103.718866	2	552.362915	-0.282809223	48.09734405
19743819	ITGB1	integrin beta-1 isoform 1D precursor	4.369538077	3	4	3	801	88.825	5.48	0.919	0.621	0.955														
													GCPPDDIENPR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.919	-	0.921	1.301264286	0	1498.715758	2	749.8620605	0.724903134	36.7220589
													LKPEDITQIQPQQLVLR	1	1	2xTMT6plex [N-Term; K2]	-	0.621	-	1.25259757	0	2477.485564	3	826.4994507	-0.712694049	86.78668635
													DDLENVK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.975	1.196489215	0	1290.730552	2	645.8695068	0.917853748	46.6409005
54607035	ITGB4	integrin beta-4 isoform 1 precursor	0.768386389	1	1	1	1822	202.039	6.09	1.233	-	-														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													CNTQAELLAAGCQR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.233	-	-	1.55266583	0	1820.894468	3	607.6351318	-1.990989732	48.18810557
31542984	ITIH4	inter-alpha-trypsin inhibitor heavy chain H4 isoform 1 precursor	15.80645161	11	75	11	930	103.293	6.98	0.738	0.749	0.747														
													VQGNDHSATR	6	1	1xTMT6plex [N-Term]	0.858	0.796	0.77	1.550052047	0	1313.675942	3	438.5632935	-0.467991296	17.04604344
													ETLFSVMPGLK	9	1	2xTMT6plex [N-Term; K11]	0.715	0.73	0.714	1.749902487	0	1679.980636	2	840.4941406	0.219603722	94.03138865
													ETLFSVMPGLK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M7]	0.579	0.572	-	1.276553035	0	1695.975551	2	848.4905396	-1.030804033	80.64553797
													AGFSWIEVTFK	8	1	2xTMT6plex [N-Term; K11]	0.832	0.862	0.885	2.129223824	0	1742.988164	2	871.9967041	-1.166001535	97.48124181
													NPLVWVHASPEHVVVTR	13	1	1xTMT6plex [N-Term]	0.794	0.8	0.854	2.085646868	0	2169.213023	4	543.0586548	-0.107559457	65.67887681
													QGPVNLLSDPEQGVEVTGQYEREK	3	1	2xTMT6plex [N-Term; K24]	-	0.434	0.468	1.559745669	1	3130.642077	3	1044.220093	1.165182804	74.95281967
													LDYQEGPPGVEISCWSVEL	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.889	0.825	0.877	1.977507353	0	2407.168894	3	803.0618896	0.923045042	100.4418283
													QGPVNLLSDPEQGVEVTGQYER	8	1	1xTMT6plex [N-Term]	0.786	0.717	0.743	2.561053753	0	2644.341589	4	661.8400269	-1.252405566	77.79868809
													FSSHVGGTLGQFYQEVLWGSPAASDDGR	5	1	1xTMT6plex [N-Term]	0.755	0.765	0.984	2.225306749	0	3197.548956	3	1066.516357	-4.515059683	94.0502153
													TGLLLLSDPDK	12	1	2xTMT6plex [N-Term; K11]	0.749	0.753	0.759	2.037830353	0	1629.982744	3	543.9983521	-1.375006984	82.06065968
													VTIGLLFWDGRGEGLR	1	1	1xTMT6plex [N-Term]	-	0.476	-	1.087051392	1	2018.138461	3	673.3846436	0.454232492	95.04058049
													VTIGLLFWDGR	3	1	1xTMT6plex [N-Term]	-	0.868	0.821	2.002231836	0	1505.867765	3	502.6274109	-0.057119215	99.60388497
11527402	ITM2B	integral membrane protein 2B	7.142857143	2	4	2	266	30.318	5.14	1.1	1.024	0.832														
													NLLELLINIK	3	1	2xTMT6plex [N-Term; K10]	1.1	1.024	-	1.746056437	0	1641.0715	3	547.6954956	0.264434796	105.7516124
													EASNCFAIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.832	0.773555279	0	1296.656787	2	648.8326416	0.940752509	48.07748556
15626999	ITPA	inosine triphosphate pyrophosphatase isoform a	22.16494845	3	3	3	194	21.432	5.66	0.863	1.02	0.994														
													KLEEVVQILGDK	1	1	3xTMT6plex [N-Term; K1; K12]	-	-	0.994	2.012194633	1	2058.277753	3	686.7650146	1.330163195	89.94513961
													IDLPEYQGEPDEISIQK	1	1	2xTMT6plex [N-Term; K17]	-	1.02	-	1.037376761	0	2432.296092	3	811.4373169	0.536741229	85.25954645
													ALLELQEYFGSLAA	1	1	1xTMT6plex [N-Term]	0.863	-	-	1.005062699	0	1753.957368	2	877.4821167	-0.234516283	107.0042545
4557679	JAG1	protein jagged-1 precursor	3.366174056	4	7	4	1218	133.709	6.06	0.923	1.175	0.977														
													YISSNVCGPHGK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.028	-	-	1.614642501	0	1776.94671	3	592.9880371	1.602759446	41.82398267
													SSSLQPVK	3	1	2xTMT6plex [N-Term; K8]	0.847	1.214	-	1.131388187	0	1303.798572	2	652.4025879	-0.516336468	43.21826915
													ASHSGMINPSR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	0.928	0.917	2.00860095	0	1401.710613	3	467.9081116	-0.593405797	29.60078808
													CVCPPQWTGK	1	1	2xTMT6plex [N-Term; K10]; 2xCarbamidomethyl	-	-	1.049	1.291623235	0	1690.880939	2	845.9443359	0.269779492	57.95470329
12056468	JUP	junction plakoglobin	18.38926174	11	16	9	745	81.693	6.14	0.791	0.833	0.915														
													TMQNTSDLDTAR	1	1	1xTMT6plex [N-Term]	0.95	-	-	1.306421995	0	1581.774001	2	791.3909302	0.368523925	36.4996943
													TLVTQNSGVEALIHAILR	3	1	1xTMT6plex [N-Term]	0.803	0.792	0.913	2.975060701	0	2164.265118	3	722.0928345	-0.539435775	99.96746217
													HPEAEMAQNSVR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	0.597	0.578	0.901	1.744911313	0	1613.79032	3	538.6018066	0.338744054	22.12534931
													NLSDVATK	2	1	2xTMT6plex [N-Term; K8]	0.85	0.982	-	1.820280075	0	1305.777837	2	653.3936157	1.621964512	48.94312249
													SAIVHLINYQDDAELATR	1	1	1xTMT6plex [N-Term]	-	0.692	-	1.150427341	0	2258.197826	3	753.4026489	-1.962778728	71.99275269
													GIMEEDEACGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3];	-	0.646	-	0.753795743	0	1511.666759	2	756.3369141	-0.137474082	39.82034638
													LNYGIPAIVK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.947	0.883732677	0	1545.976871	3	515.9968872	-0.493311977	87.85417119
													HVAAGTQQPYTDGVR	1	1	1xTMT6plex [N-Term]	-	1.592	-	1.584923983	0	1828.950326	3	610.3207397	-1.454184776	33.39724337
													LLNQPNQWPLVK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.893	1.230011225	0	1908.147124	3	636.720459	-0.15741809	90.50100387
													VAAGVLCELAQDK	1	2	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.858	-	1.833083153	0	1832.035191	3	611.3513184	2.298633862	89.52285443
													EGLLAIFK	1	2	2xTMT6plex [N-Term; K8]	-	-	0.774	1.111163259	0	1348.860444	2	674.9304199	-5.101451584	95.22955716
5031815	KARS	lysine--tRNA ligase isoform 2	9.882747069	7	9	7	597	68.005	6.35	0.897	0.648	0.964														
													VDGSEPK	1	1	2xTMT6plex [N-Term; K7]	0.881	-	-	1.283162355	0	1189.682874	2	595.3449097	-0.278413743	32.31443957
													AVECPPPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.84	-	1.367537856	0	1154.618945	2	577.8138428	1.268086655	28.53906018
													SQAIHQLK	1	1	2xTMT6plex [N-Term; K8]	-	0.557	-	1.326875329	0	1382.852005	3	461.6228333	1.404051809	35.8790837
													IAPELYHK	1	1	2xTMT6plex [N-Term; K8]	0.878	-	-	1.637108445	0	1428.861507	3	476.9584961	-0.400275847	52.46312927
													YLDLILNDFVR	3	1	1xTMT6plex [N-Term]	0.759	0.936	0.938	2.189519167	0	1609.915109	2	805.4602051	-1.227352758	102.5193562
													QLFEEQAK	1	1	2xTMT6plex [N-Term; K8]	0.98	-	-	0.688013613	0	1450.830601	3	484.2811279	-1.220108631	55.16881514
													ILDDICVAK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	0.974	1.443276405	0	1504.880922	2	752.944519	0.557815522	79.26543012
952977797	KCNK4	potassium channel subfamily K member 4 precursor	2.544529262	1	1	1	393	42.677	8.65	-	1.429	-														
													AGPAAPPPEK	1	1	2xTMT6plex [N-Term; K10]	-	1.429	-	1.505049706	0	1392.825121	2	696.9158325	-0.526290721	43.90768489
19923973	KCTD12	BTB/POZ domain-containing protein KCTD12	21.53846154	6	15	6	325	35.679	5.64	2.032	1.739	1.938														
													FNFLEQAFDK	6	1	2xTMT6plex [N-Term; K10]	2.137	2.072	2.16	1.386281371	0	1716.936128	2	858.9727173	1.18211754	96.10294009
													EAEYFELPELVR	1	1	1xTMT6plex [N-Term]	-	1.36	-	1.640414715	0	1723.910418	2	862.4561157	-3.169018895	89.97573355
													RLGAPQQPGPGPPPSR	2	1	1xTMT6plex [N-Term]	-	1.053	1.454	1.745287895	1	1841.03433	3	614.3500366	0.666230532	34.87182943
													DLQLVLPDYFPER	3	1	1xTMT6plex [N-Term]	-	1.548	2.131	2.108294249	0	1833.994816	2	917.4996948	-1.473941768	96.05847804
													EVFGDTLNESRDPDRPPER	1	1	1xTMT6plex [N-Term]	-	-	1.576	0.674719274	1	2458.215995	4	615.3096313	0.284971144	46.15841337
													EVFGDTLNESR	2	1	1xTMT6plex [N-Term]	1.215	1.212	-	1.743383169	0	1495.759003	2	748.3840332	1.194748784	56.69300827
5730027	KHDRBS1	KH domain-containing, RNA-binding, signal transduction-associated	15.1241535	6	9	6	443	48.197	8.66	0.771	0.853	0.631														
													ILGPQGNTIK	2	1	2xTMT6plex [N-Term; K10]	-	1.178	0.833	1.072099805	0	1498.935734	2	749.9719238	0.558106816	64.7830298
													DSLDPSFTHAMQLLTAEIEK	1	1	2xTMT6plex [N-Term; K20]	0.554	-	-	1.593512177	0	2704.426788	3	902.1450806	-2.255550347	100.2701808
													KDDEENYLDLFSHK	2	1	3xTMT6plex [N-Term; K1; K14]	0.515	0.547	-	2.29961133	1	2440.296316	4	610.8291016	-0.712806879	74.57663784
													DDEENYLDLFSHK	1	1	2xTMT6plex [N-Term; K13]	1.093	-	-	1.248738527	0	2083.038421	3	695.0169067	-1.082027645	80.39175252
													SGSMDPSGAHPSVR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M4]	-	0.305	0.296	1.38705349	0	1629.785235	3	543.9334717	0.384823134	24.97421257
													RLQEETGAK	1	1	2xTMT6plex [N-Term; K9]	0.757	-	-	1.794743538	1	1489.873862	3	497.2966614	1.052720568	28.65351319
154355000	KHSRP	far upstream element-binding protein 2	8.860759494	6	6	5	711	73.07	7.3	1.416	1.138	-														
													IQQDSGCK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.135	-	1.361771345	0	1393.750971	2	697.3792725	0.213662183	42.84546527
													IGQQPQQPGAPPQQDYTK	1	1	2xTMT6plex [N-Term; K18]	1.416	-	-	1.066181898	0	2439.303243	3	813.7727661	0.205821005	49.6446594
													QDDGTGPEK	1	1	2xTMT6plex [N-Term; K9]	-	1.677	-	1.946482062	0	1404.737094	2	702.8717651	-0.598372867	28.62570768
													RQLEDGDQPESK	1	1	2xTMT6plex [N-Term; K12]	-	1.251	-	0.904184461	1	1859.986326	3	620.6675415	0.938427178	30.45957271
													DAFADAVQR	1	1	1xTMT6plex [N-Term]	-	0.605	-	1.354124427	0	1221.642517	2	611.324585	-0.510205004	46.25154671
													AGLVIGK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.392	1.8557868	0	1115.755251	2	558.3813477	0.150187507	57.69232797
122937211	KIAA0368	proteasome-associated protein ECM29 homolog	2.231036192	4	7	4	2017	223.552	8.75	1.745	1.459	0.965														
													TEALSVIELLLK	3	1	2xTMT6plex [N-Term; K12]	4.091	1.537	-	0.849287629	0	1787.129408	2	894.0668945	-1.620401682	106.8024015
													DIALVQQLFEALCK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.37	1.155	-	0.734469295	0	2106.203319	2	1053.605469	0.162553158	106.9960078

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													YSPDVLK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.928	0.949983895	0	1279.76621	3	427.2605286	0.642932555	58.03655205
													TIAALLPCLLDK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	-	1.127	0.919150591	0	1786.091249	3	596.034729	-0.904359328	101.0059962
106507204	KIAA0895L	uncharacterized protein KIAA0895-like	2.760084926	1	1	1	471	53.412	9.17	0.828	-	-														
													RSESTYSVNSTGR	1	1	1xTMT6plex [N-Term]	0.828	-	-	0.775471628	1	1672.845192	3	558.2867432	0.289555896	78.57863005
4758648	KIF5B	kinesin-1 heavy chain	4.153686397	3	3	3	963	109.617	6.51	1.838	0.737	-														
													SAEIDSDDTGGSAAQK	1	1	2xTMT6plex [N-Term; K16]	1.649	-	-	1.477588773	0	2010.002764	3	670.6712646	-1.752676539	40.89134999
													EVLQALEELAVNYDQK	1	1	2xTMT6plex [N-Term; K16]	2.7	-	-	1.201961756	0	2320.280048	3	774.0968018	-1.808392296	102.2777376
													RYQQEVDR	1	1	1xTMT6plex [N-Term]	-	0.737	-	1.052167892	1	1322.701428	3	441.5717773	-0.491130301	32.0904744
21618357	KLK11	kallikrein-11 isoform 2	2.482269504	1	3	1	282	31.039	8.94	0.343	0.21	-														
													KPGVYTK	3	1	3xTMT6plex [N-Term; K1; K7]	0.343	0.21	-	1.291404247	0	1479.950211	3	493.9883728	0.238986555	42.33824614
78191798	KLKB1	plasma kallikrein isoform 1 preproprotein	1.724137931	1	1	1	638	71.296	8.22	-	-	0.829														
													YSPGGTPTAIK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.829	1.466856122	0	1549.899015	2	775.4533691	0.28845831	51.42148186
1002341781	KPNA2	importin subunit alpha-1	6.238185255	2	10	2	529	57.826	5.4	3.169	3.766	3.159														
													LLGASELPIVTPALR	4	1	1xTMT6plex [N-Term]	2.103	2.61	2.655	1.362923503	0	1779.094136	2	890.0474243	-3.689713238	96.74912958
													NPAPPIDAVEQILPTLVR	6	1	1xTMT6plex [N-Term]	3.969	4.042	3.856	2.083508015	0	2172.25897	2	1086.632446	-0.623172418	101.8109652
34485722	KPNA3	importin subunit alpha-4	8.061420345	3	10	2	521	57.775	4.94	1.717	2.037	2.11														
													IEVLQQHENEDIYK	1	1	2xTMT6plex [N-Term; K14]	1.303	-	-	1.60876441	0	2216.196318	3	739.4042358	0.828369543	59.93089782
													DSQVVQVVLDGLK	6	1	2xTMT6plex [N-Term; K13]	2.047	2.037	2.11	2.084486008	0	1858.104984	2	929.5532837	-3.064227928	95.3969254
													LLSSDRNPPIDDLIK	3	2	2xTMT6plex [N-Term; K15]	1.728	1.494	2.118	2.017983198	1	2154.253439	3	718.7545776	-1.977371727	83.08075544
4504901	KPNA4	importin subunit alpha-3	6.142034549	2	7	1	521	57.851	4.96	0.695	0.651	-														
													DAQVVQVVLDGLSNILK	4	1	2xTMT6plex [N-Term; K17]	0.695	0.651	-	2.223751068	0	2269.353153	3	757.1224976	-0.094293045	110.6232492
													LLSSDRNPPIDDLIK	3	2	2xTMT6plex [N-Term; K15]	1.728	1.494	2.118	2.017983198	1	2154.253439	3	718.7545776	-1.977371727	83.08075544
19923142	KPNB1	importin subunit beta-1 isoform 1	19.52054795	13	39	13	876	97.108	4.78	1.246	1.123	1.221														
													TVSPDRLELEAAQK	2	1	2xTMT6plex [N-Term; K14]	1.099	-	1.16	1.883432627	1	2015.153725	3	672.3900757	0.966859628	56.58005462
													VLANPGNSQVAR	4	1	1xTMT6plex [N-Term]	0.617	0.66	0.673	1.178525448	0	1454.827691	2	727.918335	1.169775558	42.38070926
													AAVENLPTFLVELSR	4	1	1xTMT6plex [N-Term]	-	1.24	1.172	1.602210879	0	1888.074129	3	630.0292358	-0.516325315	99.53063968
													EEPSNNVK	1	1	2xTMT6plex [N-Term; K8]	1.411	-	-	1.46936059	0	1374.762915	2	687.8851318	0.052359483	30.46573834
													DCYPAVQK	3	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.06	1.415	1.568326712	0	1438.776457	3	480.2628784	-1.650705419	45.42418807
													TLATWATK	1	1	2xTMT6plex [N-Term; K8]	1.665	-	-	0.694751322	0	1349.819308	2	675.413147	-0.215210055	63.9899642
													LAATNALLNSLEFTK	5	1	2xTMT6plex [N-Term; K15]	1.16	1.256	0.875	2.346674204	0	2064.210512	2	1032.610596	1.64844924	97.28271749
													YLEVVLNTLQQASQAQVDK	6	1	2xTMT6plex [N-Term; K19]	1.381	1.204	1.367	1.608518481	0	2605.460137	3	869.1584473	0.249881726	102.287562
													ESTLEAIGYICQDIDPEQLQDK	5	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.546	1.389	1.564	2.317449093	0	3023.528353	4	756.6361694	-1.820781875	94.42971561
													ESCLEAYTGIVQGLK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.337	1.402	-	1.993029237	0	2126.156762	3	709.390564	0.17705869	90.27120906
													VAALQNLVK	1	1	2xTMT6plex [N-Term; K9]	-	1.337	-	1.408463359	0	1413.919356	2	707.4625244	-1.12027031	75.67068876
													SNEILTAIIQGMR	4	1	1xTMT6plex [N-Term]	-	1.464	1.181	2.484507561	0	1674.941007	3	558.9852295	0.076806623	96.93570273
													SDYDMVDYLNELR	1	1	1xTMT6plex [N-Term]	-	1.123	-	1.108082891	0	1861.883945	2	931.4428101	-3.008561746	90.83514622
119395750	KRT1	keratin, type II cytoskeletal 1	38.97515528	24	83	20	644	65.999	8.12	1.278	1.251	1.293														
													GSGGGSSGGSIGGR	6	1	1xTMT6plex [N-Term]	1.172	1.075	1.205	1.452175379	0	1321.665771	3	441.2261963	-1.313110206	19.94704014
													TNAENEFVTIK	4	1	2xTMT6plex [N-Term; K11]	1.366	1.47	1.43	1.667352557	0	1723.963071	2	862.484375	-0.926876002	60.04704951
													WELLQQVDTSTR	3	1	1xTMT6plex [N-Term]	1.217	0.583	1.379	1.604494095	0	1704.911815	3	568.9728394	-4.604392746	81.97205295
													GGGGGGYGSGGSSYGSGGGSYGSGGGGGGGR	3	1	1xTMT6plex [N-Term]	1.439	1.555	1.169	3.493472576	0	2613.114777	3	871.7078857	-2.171080845	29.69382522
													DVDGAYMTK	2	1	2xTMT6plex [N-Term; K9]	-	1.383	1.277	1.628025413	0	1457.771037	2	729.3889771	-0.246567141	49.79486814
													DYQELMNTK	1	1	2xTMT6plex [N-Term; K9]	-	1.266	-	1.536892056	0	1599.845264	2	800.4266968	0.532873214	61.26492381
													AQYEDIAQK	4	1	2xTMT6plex [N-Term; K9]	1.355	1.296	1.327	2.244578123	0	1523.846979	3	508.6210022	0.967513023	55.77842094
													AEAESLYQSK	8	1	2xTMT6plex [N-Term; K10]	1.282	1.291	1.411	1.716100693	0	1583.868108	2	792.4384155	0.913027215	56.1258419
													RTNAENEFVTIK	2	1	2xTMT6plex [N-Term; K12]	0.91	-	0.933	1.806388736	1	1880.064182	3	627.3601074	0.844000774	51.17440663
													QISNLQQSISDAEQR	5	1	1xTMT6plex [N-Term]	1.262	1.329	1.306	1.978053331	0	1946.014048	2	973.5124512	1.838513835	57.86336113
													QISNLQQSISDAEQRGENALK	1	1	2xTMT6plex [N-Term; K21]	0.837	-	-	1.161481142	1	2787.500105	3	929.8382568	0.040390245	74.76106093
													GGSGGGGGGSSGGRGSGGGSSGGSIGGR	1	1	1xTMT6plex [N-Term]	-	0.828	-	1.808642745	1	2309.077604	3	770.3635864	-0.605433379	17.67753371
													SLNNQFASFIDK	10	1	2xTMT6plex [N-Term; K12]	1.3	1.258	1.311	2.324329615	0	1842.016169	3	614.6782227	2.141815482	84.9198938
													SLDLDSIIAEVK	7	1	2xTMT6plex [N-Term; K12]	1.328	1.335	1.34	1.737773895	0	1761.040987	3	587.6846313	-0.93491125	98.12732877
													LRSEIDNVK	1	1	2xTMT6plex [N-Term; K9]	-	1.016	-	0.942938447	1	1531.920813	2	766.4641724	0.166762251	48.54424631
													LNDLEDALQQAK	9	1	2xTMT6plex [N-Term; K12]	1.287	1.253	1.178	2.928578615	0	1816.021649	3	606.0103149	-2.894869554	87.56724846
													THNLEPYFESFINNLR	3	1	1xTMT6plex [N-Term]	1.496	1.555	1.525	1.91786468	0	2223.139583	3	741.7151489	-3.908559194	93.56461301
													TNAENEFVTIKK	1	1	3xTMT6plex [N-Term; K11; K12]	-	0.934	-	1.330832362	1	2081.220966	3	694.4123535	0.740458077	59.91972019
													SDQSRLDSELK	1	1	2xTMT6plex [N-Term; K11]	-	0.78	-	1.631786227	1	1735.959048	3	579.3233032	-2.126814014	41.40784151
													YEELQITAGR	1	2	1xTMT6plex [N-Term]	-	1.243	-	1.525961041	0	1408.76336	2	704.8841553	-1.651074404	55.9097405
													GENALK	1	1	2xTMT6plex [N-Term; K6]	-	1.446	-	0.930988371	0	1089.66683	2	545.336792	-0.479647182	33.93215876
													FLEQQNQVLQTK	6	2	2xTMT6plex [N-Term; K12]	1.085	0.968	1.181	2.181870461	0	1934.111132	2	967.5599976	0.820054836	67.56629513
													YEDEINK	1	4	2xTMT6plex [N-Term; K7]	-	0.998	-	1.17532897	0	1368.741117	2	684.8740845	-0.164154262	53.27310924
													IEISELNR	2	2	1xTMT6plex [N-Term]	-	1.181	1.195	1.311420321	0	1202.694218	2	601.850647	-0.166687995	55.86970415
195972866	KRT10	keratin, type I cytoskeletal 10	47.7739726	25	68	19	584	58.766	5.21	1.087	1.082	1.184														
													SGGGGGGGGCGGGGGVSSLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.894	-	0.707	1.584051371	0	1778.840124	2	889.9260254	2.614417782	27.37530042
													ALEESNYELEGK	5	1	2xTMT6plex [N-Term; K12]	1.124	0.876	1.058	1.562440395	0	1839.97403	3	613.9953613	-1.35820701	58.71556256
													NQILNLTTDNANILLQIDNAR	2	1	1xTMT6plex [N-Term]	1.216	-	1.039	1.373473048	0	2596.425594	3	866.1466675	-0.055683704	96.10826989
													YENEVALR	2	1	1xTMT6plex [N-Term]	1.205	1.403	-	1.117623687	0	1222.662918	2	611.835083	-0.02313342	44.66123518
													VLDELTLTK	2	1	2xTMT6plex [N-Term; K9]	-	-	1.13	1.448331594	0	1489.924167	2	745.4662476	0.705940081	83.12422311
													SLLEGEGSSGGGGR	4	1	1xTMT6plex [N-Term]	1.238	1.276	1.156	2.12108469	0	1491.760065	2	746.3842163	0.731127755	39.22570238
													ADLEMQIESLTEELAYLK	1	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M5]	-	-	2.416	0.645502746	0	2570.367543	3	857.4596558	-1.217181898	106.923062
													NVSTGDVNVEMNAAPGVDLTQLLNNMR	3	1	1xTMT6plex [N-Term]	1.083	1.017	0.991	1.511051774	0	3101.555698	3	1034.522339	-1.042840675	98.27631329
													RVLDELTLTK	1	1	2xTMT6plex [N-Term; K10]	0.937	-	-	0.938616812	1	1646.025278	3	549.3460083	-1.097193148	67.85197385
													NVQALEIELQSQLALK	6	1	2xTMT6plex [N-Term; K16]	1.194	1.188	1.196	1.710273147	0	2255.337503	2	1128.17395	1.38357147	97.36038026

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													ELTTEIDNNIEQISSYK	4	1	2xTMT6plex [N-Term; K17]	1.189	1.152	-	1.270709038	0	2455.29682	2	1228.148804	-2.642999442	90.61643601
													LENEIQTYR	2	1	1xTMT6plex [N-Term]	-	1.413	1.33	1.819717407	0	1394.74771	2	697.8780518	0.800901566	52.69973985
													SSSSGSVGESSSK	5	1	2xTMT6plex [N-Term; K13]	0.948	0.934	1.263	2.394907236	0	1643.848829	2	822.428833	0.949038377	27.16255298
													AETECQNTEYQQLLDIK	3	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	0.885	0.957	-	2.012486219	0	2541.290689	4	636.0775146	-0.968211256	78.73226715
													QSLEASLAETEGR	2	1	1xTMT6plex [N-Term]	-	1.279	1.179	1.442960501	0	1619.843795	3	540.6188965	-1.023979522	53.04212919
													SQYEQLAEQNR	2	1	1xTMT6plex [N-Term]	-	0.923	0.941	1.324861288	0	1594.802264	2	797.9053345	0.707200722	40.48597185
													SQYEQLAEQNRK	1	1	2xTMT6plex [N-Term; K12]	-	1.25	-	1.046081305	1	1952.060159	3	651.3586426	0.622442074	50.09685877
													SEITELRR	1	1	1xTMT6plex [N-Term]	-	-	1.217	1.13763535	1	1232.716016	3	411.5772095	0.859328471	33.82201409
													NHEEEMK	1	2	2xTMT6plex [N-Term; K7]	-	1.256	-	1.083469748	0	1374.708771	3	458.9073181	-0.996541468	34.93412422
													NHEEEMK	9	2	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]	1.04	1.173	1.362	1.939583778	0	1390.703686	3	464.2395935	0.389168148	19.36170553
													KNHEEEMK	1	2	3xTMT6plex [N-Term; K1; K8]; 1xOxidation [M7]	-	1.705	-	1.306170344	1	1747.961581	4	437.7459717	0.272219227	21.64343785
													VTMQNLNDR	1	2	1xTMT6plex [N-Term]	-	1.479	-	1.131054997	0	1319.6939	2	660.352356	2.678730319	44.37009696
													DAEAWFNEK	1	1	2xTMT6plex [N-Term; K9]	1.143	-	-	1.335420489	0	1567.815679	3	523.2772827	1.030742678	67.42250771
													QSVEADINGLR	2	2	1xTMT6plex [N-Term]	1.211	-	1.385	1.127792239	0	1430.780073	2	715.8934326	-0.338239003	52.8345322
													QSVEADINGLRR	2	2	1xTMT6plex [N-Term]	-	1.034	1.169	1.155870795	1	1586.881184	3	529.6326294	1.35574964	46.45461339
													LASYLDK	2	3	2xTMT6plex [N-Term; K7]	-	1.249	1.269	1.092668891	0	1267.76621	2	634.3878784	1.79100525	67.54744453
131412225	KRT13	keratin, type I cytoskeletal 13 isoform a	11.79039301	7	18	2	458	49.527	4.96	-	1.058	-														
													NHEEEMK	1	2	2xTMT6plex [N-Term; K7]	-	1.256	-	1.083469748	0	1374.708771	3	458.9073181	-0.996541468	34.93412422
													NHEEEMK	9	2	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]	1.04	1.173	1.362	1.939583778	0	1390.703686	3	464.2395935	0.389168148	19.36170553
													KNHEEEMK	1	2	3xTMT6plex [N-Term; K1; K8]; 1xOxidation [M7]	-	1.705	-	1.306170344	1	1747.961581	4	437.7459717	0.272219227	21.64343785
													AGLENTVAETECR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.915	-	1.54941678	0	1678.826765	2	839.9162598	-0.906596667	47.36186153
													DAEEWFHAK	1	1	2xTMT6plex [N-Term; K9]	-	1.107	-	1.132660866	0	1590.831663	3	530.9492188	0.904992045	59.76102843
													ALEEANADLEVK	1	2	2xTMT6plex [N-Term; K12]	-	0.959	-	0.780149698	0	1759.984201	3	587.3342896	2.337976865	64.82433639
													QSVEADINGLR	2	2	1xTMT6plex [N-Term]	1.211	-	1.385	1.127792239	0	1430.780073	2	715.8934326	-0.338239003	52.8345322
													QSVEADINGLRR	2	2	1xTMT6plex [N-Term]	-	1.034	1.169	1.155870795	1	1586.881184	3	529.6326294	1.35574964	46.45461339
15431310	KRT14	keratin, type I cytoskeletal 14	17.37288136	8	17	5	472	51.589	5.16	1.602	1.02	1.308														
													VTMQNLNDR	1	2	1xTMT6plex [N-Term]	-	1.479	-	1.131054997	0	1319.6939	2	660.352356	2.678730319	44.37009696
													ALEEANADLEVK	1	2	2xTMT6plex [N-Term; K12]	-	0.959	-	0.780149698	0	1759.984201	3	587.3342896	2.337976865	64.82433639
													ASLENSLEETK	2	1	2xTMT6plex [N-Term; K11]	-	1.322	1.262	1.014500856	0	1678.926351	2	839.9663086	-0.602064825	58.59518146
													NHEEEMNALR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.221	1	1.279	2.38031435	0	1487.711007	3	496.5752563	0.140271173	22.0458693
													EVATNSELVQSGK	4	1	2xTMT6plex [N-Term; K13]	1.737	1.816	1.531	2.086512327	0	1820.016563	2	910.5115356	-0.422331836	50.92668988
													CEMEQQNQEYK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3];	-	0.805	-	1.541501403	0	1960.914483	3	654.3106689	1.514653475	31.81632409
													VLDELTLAR	1	1	1xTMT6plex [N-Term]	-	1.15	-	1.409973621	0	1258.756818	2	629.8823242	0.43994002	77.71911333
													LASYLDK	2	3	2xTMT6plex [N-Term; K7]	-	1.249	1.269	1.092668891	0	1267.76621	2	634.3878784	1.79100525	67.54744453
47132620	KRT2	keratin, type II cytoskeletal 2 epidermal	41.31455399	23	61	16	639	65.393	8	1.017	1.082	1.049														
													GGSGGGGSISGGGYGSGGGSGGR	3	1	1xTMT6plex [N-Term]	0.695	-	0.667	2.142145157	0	1970.911374	2	985.9588013	-0.531652997	26.05044315
													HGGGGGGFGGGGFGSR	6	1	1xTMT6plex [N-Term]	1.157	1.289	1.135	2.283301353	0	1549.745753	3	517.2525635	-1.687741559	29.67837821
													NVQDAIADAEQR	5	1	1xTMT6plex [N-Term]	1.219	1.109	1.149	1.167469978	0	1558.802264	2	779.9039307	-1.077604205	52.16539899
													VDPEIQNVK	2	1	2xTMT6plex [N-Term; K9]	-	1.005	1.017	1.638178945	0	1499.883365	3	500.633728	2.177710686	53.89256793
													SLVGLGGTK	2	1	2xTMT6plex [N-Term; K9]	1.014	-	1.002	1.536298275	0	1289.819308	2	645.4127197	-0.887711068	57.59392784
													VDLLNQEIEFLK	2	1	2xTMT6plex [N-Term; K12]	1.023	0.999	-	1.725651741	0	1919.125386	3	640.3800049	0.039543241	98.04784507
													TAAENDFVTLK	2	1	2xTMT6plex [N-Term; K11]	1.066	-	1.249	1.730729222	0	1666.941608	2	833.973938	-0.604840285	65.87065164
													EEAEALYHSK	3	1	2xTMT6plex [N-Term; K10]	0.885	0.861	0.906	1.52398026	0	1634.879007	3	545.6320801	1.639041399	44.56034157
													LQGEIAHVK	1	1	2xTMT6plex [N-Term; K9]	0.963	-	-	0.785425782	0	1452.89387	3	484.9692993	-0.361341452	49.56912879
													YEELQVTVGR	1	1	1xTMT6plex [N-Term]	-	1.168	-	1.393908858	0	1422.77901	2	711.8927002	-0.622858061	58.43297676
													GFSSGSAVVSGGSR	2	1	1xTMT6plex [N-Term]	1.171	1.012	-	1.614912748	0	1483.770236	2	742.3873291	-1.923846971	40.42030749
													GGSISGGGYGSGGGK	2	1	2xTMT6plex [N-Term; K15]	-	-	1.254	1.836952806	0	1655.875319	3	552.6313477	2.51878792	36.51528304
													LNDLEEALQQAK	3	1	2xTMT6plex [N-Term; K12]	0.955	1.009	-	1.853742719	0	1830.037299	3	610.6819458	-3.286614792	87.79314194
													GSSSGGGYSSGSSSYGSGGR	2	1	1xTMT6plex [N-Term]	-	1.982	-	1.813405514	0	1969.868506	2	985.4371948	-0.70707337	34.89755333
													RYLDGLTAER	1	1	1xTMT6plex [N-Term]	-	-	0.677	1.216865182	1	1422.790243	3	474.9349365	0.009109082	51.11199222
													LLEGEECR	2	4	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.92	1.01	1.526259184	0	1234.629903	2	617.8195801	1.603918911	42.10588041
													FLEQQNQVLQTK	6	2	2xTMT6plex [N-Term; K12]	1.085	0.968	1.181	2.181870461	0	1934.111132	2	967.5599976	0.820054836	67.56629513
													YEDEINK	1	4	2xTMT6plex [N-Term; K7]	-	0.998	-	1.17532897	0	1368.741117	2	684.8740845	-0.164154262	53.27310924
													NLDLDSIIAEVK	6	3	2xTMT6plex [N-Term; K12]	1.074	1.083	1.143	1.809086084	0	1788.051886	3	596.6881714	-1.076775153	97.64663728
													DYQELMNVK	3	1	2xTMT6plex [N-Term; K9]	-	1.11	1.194	2.051209688	0	1597.866	3	533.2952881	3.323888119	67.67301182
													FASFIDK	1	4	2xTMT6plex [N-Term; K7]	-	-	1.118	0.730912268	0	1285.755645	2	643.3817749	0.488587929	75.96153351
													IEISELNR	2	2	1xTMT6plex [N-Term]	-	1.181	1.195	1.311420321	0	1202.694218	2	601.850647	-0.166687995	55.86970415
													AQYEEIAQR	3	2	1xTMT6plex [N-Term]	1.05	-	1.146	1.028838158	0	1336.705845	2	668.8562622	-0.446819276	39.29869775
119395754	KRT5	keratin, type II cytoskeletal 5	17.96610169	12	23	5	590	62.34	7.74	1.406	1.413	0.804														
													AQYEEIANR	1	1	1xTMT6plex [N-Term]	-	1.503	-	1.538484454	0	1322.690195	2	661.8485718	-0.248028838	38.85930755
													LAELEEALQK	2	1	2xTMT6plex [N-Term; K10]	1.406	-	-	2.273451567	0	1601.951444	3	534.6536255	-3.196604476	90.84173958
													HEISEMNR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	1.172	-	1.420322776	0	1260.620401	3	420.8782349	-0.19829931	18.79142588
													YEELQQTAGR	1	1	1xTMT6plex [N-Term]	-	-	0.804	1.02968967	0	1423.737873	2	712.3734741	1.263021952	41.72280526
													LRAEIDNVK	1	1	2xTMT6plex [N-Term; K9]	-	1.416	-	0.942897856	1	1515.925898	3	505.9797668	-0.759108933	51.11263862
													QNLEPLFEQYINNLR	2	2	1xTMT6plex [N-Term]	1.674	-	1.702	2.291376591	0	2120.133769	3	707.383728	1.349755413	96.95153717
													WTLLQEQGTK	3	2	2xTMT6plex [N-Term; K10]	-	1.303	1.416	1.706559658	0	1661.962677	3	554.6598511	1.39747582	73.38928375
													QNLEPLFEQYINNLRR	2	2	1xTMT6plex [N-Term]	-	0.927	1.18	1.687726498	1	2276.23488	3	759.4163818	-0.126468577	93.27400741
													LLEGEECR	2	4	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.92	1.01	1.526259184	0	1234.629903	2	617.8195801	1.603918911	42.10588041
													YEDEINK	1	4	2xTMT6plex [N-Term; K7]	-	0.998	-	1.17532897	0	1368.741117	2	684.8740845	-0.164154262	53.27310924
													NLDLDSIIAEVK	6	3	2xTMT6plex [N-Term; K12]	1.074	1.083	1.143	1.809086084	0	1788.051886	3	596.6881714	-1.076775153	97.64663728
													FASFIDK	1	4	2xTMT6plex [N-Term; K7]	-	-	1.118	0.730912268	0	1285.755645	2	643.3817749	0.488587929	75.96153351
119703753	KRT6B	keratin, type II cytoskeletal 6B	17.90780142	11	25	2	564	60.03	8	1.421	1.499	-														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													YEELQITAGR	1	2	1xTMT6plex [N-Term]	-	1.243	-	1.525961041	0	1408.76336	2	704.8841553	-1.651074404	55.9097405
													LEGLEDALQK	3	1	2xTMT6plex [N-Term; K10]	1.421	1.304	-	1.824537396	0	1573.920144	3	525.3111572	-0.778610222	80.16058394
													ADTLTDEINFLR	1	1	1xTMT6plex [N-Term]	-	1.731	-	1.439045548	0	1636.874367	2	818.9412842	0.565076584	88.96646573
													QNLEPLFEQYINNLR	2	2	1xTMT6plex [N-Term]	1.674	-	1.702	2.291376591	0	2120.133769	3	707.383728	1.349755413	96.95153717
													WTLLQEQGTK	3	2	2xTMT6plex [N-Term; K10]	-	1.303	1.416	1.706559658	0	1661.962677	3	554.6598511	1.39747582	73.38928375
													QNLEPLFEQYINNLRR	2	2	1xTMT6plex [N-Term]	-	0.927	1.18	1.687726498	1	2276.23488	3	759.4163818	-0.126468577	93.27400741
													LLEGEECR	2	4	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.92	1.01	1.526259184	0	1234.629903	2	617.8195801	1.603918911	42.10588041
													YEDEINK	1	4	2xTMT6plex [N-Term; K7]	-	0.998	-	1.17532897	0	1368.741117	2	684.8740845	-0.164154262	53.27310924
													NLDLDSIIAEVK	6	3	2xTMT6plex [N-Term; K12]	1.074	1.083	1.143	1.809086084	0	1788.051886	3	596.6881714	-1.076775153	97.64663728
													FASFIDK	1	4	2xTMT6plex [N-Term; K7]	-	-	1.118	0.730912268	0	1285.755645	2	643.3817749	0.488587929	75.96153351
													AQYEEIAQR	3	2	1xTMT6plex [N-Term]	1.05	-	1.146	1.028838158	0	1336.705845	2	668.8562622	-0.446819276	39.29869775
28173564	KRT73	keratin, type II cytoskeletal 73	5	3	4	1	540	58.887	7.23	-	1.259	-														
													LLEGEECR	2	4	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.92	1.01	1.526259184	0	1234.629903	2	617.8195801	1.603918911	42.10588041
													NLDLDSIIAEVR	1	1	1xTMT6plex [N-Term]	-	1.259	-	1.063275456	0	1586.895102	2	793.9518433	0.82403899	94.91704279
													FASFIDK	1	4	2xTMT6plex [N-Term; K7]	-	-	1.118	0.730912268	0	1285.755645	2	643.3817749	0.488587929	75.96153351
55956899	KRT9	keratin, type I cytoskeletal 9	45.10433387	19	65	18	623	62.027	5.24	1.158	1.13	1.147														
													QEYEQLIAK	2	1	2xTMT6plex [N-Term; K9]	1.208	1.405	-	1.164737821	0	1579.909579	2	790.4590454	0.781665184	59.9769586
													SDLEMQYETLQEELMALK	3	1	2xTMT6plex [N-Term; K18]	1.506	1.503	1.516	1.808192253	0	2629.350512	3	877.1201782	-1.723068876	101.2623052
													SDLEMQYETLQEELMALK	1	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M5]	-	-	1.018	1.71249938	0	2645.345427	3	882.4518433	-1.682364351	100.5725036
													SDLEMQYETLQEELMALK	2	1	2xTMT6plex [N-Term; K18]; 2xOxidation [M5; M15]	-	0.668	0.768	1.564147711	0	2661.340342	3	887.7844849	-0.541317521	99.07865438
													GGSGGSHGGGSGFGGESGGSYGGGEEASGSGGGYGGGSGK	6	1	2xTMT6plex [N-Term; K40]	1.259	1.221	1.236	2.172385454	0	3681.607435	3	1227.871826	-1.768266848	37.67676046
													GGSGGSYGGGGSGGGYGGGSGSR	7	1	1xTMT6plex [N-Term]	1.209	1.112	1.803	2.342453241	0	2020.890638	2	1010.948059	-0.889091128	34.55472857
													DQIVDLTVGNNK	9	1	2xTMT6plex [N-Term; K12]	1.217	1.276	1.125	1.823115945	0	1774.011084	2	887.5090942	-0.097070102	68.67674478
													NYSPYYNTIDDLK	7	1	2xTMT6plex [N-Term; K13]	1.003	0.969	1.028	1.359318018	0	2064.068993	2	1032.539673	1.490416811	77.32993301
													DIENQYETQITQIEHEVSSSGQEVQSSAK	3	1	2xTMT6plex [N-Term; K29]	1.172	0.952	1.192	2.350863457	0	3722.839727	3	1241.614258	-3.090778369	86.87029357
													FSSSGGGGGGGR	2	1	1xTMT6plex [N-Term]	-	1.307	1.202	2.039319754	0	1211.596629	2	606.3019409	-0.019638601	25.10558542
													SGGGGGGGLGSGGSIR	4	1	1xTMT6plex [N-Term]	1.106	1.114	1.002	2.594967842	0	1461.760734	2	731.3847656	1.040224959	30.58507812
													EIETYHNLLEGGQEDFESSGAGK	4	1	2xTMT6plex [N-Term; K23]	1.286	1.171	1.176	1.635829806	0	2968.457631	4	742.8706665	1.079852241	72.19794312
													GSRGGSGGSYGGGGSGGGYGGGSGSR	1	1	1xTMT6plex [N-Term]	-	1.088	-	1.681108594	1	2321.045241	3	774.3535156	0.324131984	20.6075801
													FSSSSGYGGGSSR	3	1	1xTMT6plex [N-Term]	1.046	1.173	1.189	2.27148056	0	1464.691651	2	732.8486328	-1.135020465	32.59271481
													QVLDNLTMEK	2	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M8]	1.076	1.082	-	1.607463598	0	1664.929329	3	555.6473389	-1.120406978	64.77898835
													STMQELNSR	2	1	1xTMT6plex [N-Term]	-	1.248	1.202	1.316492558	0	1294.662266	2	647.8339844	-1.215428951	34.49034974
													QGVDADINGLR	1	1	1xTMT6plex [N-Term]	-	0.994	-	1.433263659	0	1386.753858	3	462.9234619	1.423938485	49.68819232
													HGVQELEIELQSQLSK	2	1	2xTMT6plex [N-Term; K16]	-	1.352	1.243	1.062419772	0	2296.291281	3	766.1026001	0.856007679	86.35588309
													TLLDIDNTR	1	1	1xTMT6plex [N-Term]	-	1.171	-	0.969629705	0	1289.726246	2	645.3672485	0.755431872	62.28933192
													FEMEQNLR	1	1	1xTMT6plex [N-Term]	-	-	1.346	0.791520596	0	1295.661537	2	648.333313	-1.68880018	53.3580815
													LASYLDK	2	3	2xTMT6plex [N-Term; K7]	-	1.249	1.269	1.092668891	0	1267.76621	2	634.3878784	1.79100525	67.54744453
118498356	KTN1	kinectin isoform a	11.34856301	13	20	13	1357	156.179	5.64	1.217	0.764	0.899														
													SVEQEENK	3	1	2xTMT6plex [N-Term; K8]	-	0.995	1.075	1.731663346	0	1420.768394	2	710.887146	-0.970571853	29.50080533
													TAEHEAAQQDLQSK	2	1	2xTMT6plex [N-Term; K14]	-	0.786	0.714	2.038320541	0	2014.060553	3	672.0258789	1.256252572	32.14479593
													TVEELLETGLIQVATK	4	1	2xTMT6plex [N-Term; K16]	0.958	1.487	1.159	1.585164905	0	2202.299721	2	1101.651123	-2.157465764	102.1996525
													KVEPVPVTK	1	1	3xTMT6plex [N-Term; K1; K9]	-	0.3	-	1.348951221	1	1684.097604	3	562.0366211	-1.362058081	51.38260745
													AQLNETLTK	2	1	2xTMT6plex [N-Term; K9]	1.251	1.509	-	1.62398541	0	1475.883365	2	738.4453735	0.071774176	54.18604606
													DAVSNTTNQLESK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.26	1.119901299	0	1865.001641	2	933.0037231	-0.789179433	52.85031693
													LTDTLVSK	1	1	2xTMT6plex [N-Term; K8]	-	0.94	-	1.25188601	0	1334.829538	2	667.9185791	0.257316096	67.71080495
													DIQNMNFLLK	1	1	2xTMT6plex [N-Term; K10]	-	0.771	-	1.246157169	0	1693.971134	2	847.4891968	-0.009861628	90.56735259
													EISGLWNELDSLK	1	1	2xTMT6plex [N-Term; K13]	-	0.827	-	1.950055838	0	1962.094814	3	654.7030029	-0.182499304	97.18042205
													EEELNAIR	1	1	1xTMT6plex [N-Term]	-	-	0.971	1.851152539	0	1202.657832	2	601.8338013	2.073440172	46.18886113
													NAEQAATQLK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.785	1.767167568	0	1531.884427	3	511.2991638	-0.971949904	44.67011931
													LQALANEQAAAAHELEK	1	1	2xTMT6plex [N-Term; K17]	-	-	0.907	2.443855762	0	2265.260316	3	755.7597656	1.954731193	71.44738107
													EESLQMQVQDILEQNEALK	1	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M6]	-	-	0.849	1.465226293	0	2719.422432	3	907.1469116	1.37895578	95.93088591
4504937	KYNU	kynureninase isoform a	24.94623656	8	18	8	465	52.318	7.03	0.822	0.938	0.886														
													SVLLTGYLEYLIK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.046	0.64105773	0	1970.197822	2	985.6011353	-1.435537161	104.2010279
													FTNLLTSILDSAETK	4	1	2xTMT6plex [N-Term; K15]	0.799	0.836	-	1.64544332	0	2111.200007	2	1056.104492	0.805648444	104.8579497
													KPVVNIITPSHVEER	3	1	2xTMT6plex [N-Term; K1]	0.843	-	0.796	2.601365805	0	2176.285408	4	544.8278809	1.969078818	54.98636918
													VAPVPLYNSFHDVYK	1	1	2xTMT6plex [N-Term; K15]	-	1.272	-	1.405118465	0	2207.226496	3	736.4119263	-2.388024706	79.57635276
													VALHLDEEDK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.126	1.573877215	0	1626.910307	3	542.9747925	-0.297053004	53.57627399
													YLNAGAGGIAGAFIHEK	4	1	2xTMT6plex [N-Term; K17]	0.831	0.846	0.926	2.988291502	0	2147.201344	3	716.4025269	-3.873429763	79.90116087
													DENAIYFLGNSLGLQPK	3	1	2xTMT6plex [N-Term; K17]	0.843	0.937	0.873	1.992949367	0	2337.285468	3	779.7669678	0.377489325	96.91171513
													IQDLPPVDLSLVNK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.879	1.240580201	0	2009.204698	3	670.4067993	0.570518882	94.70025737
20070205	LAD1	ladinin-1	16.6344294	7	11	7	517	57.097	9.67	0.514	0.932	0.788														
													NLSSTTDDEAPR	3	1	1xTMT6plex [N-Term]	0.514	0.59	0.592	1.862884045	0	1534.754646	2	767.881958	1.299123368	32.65470255
													EEEADMSSPTQR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	0.948	-	0.921477556	0	1624.732196	3	542.2489014	-0.027738994	32.89642885
													DEDEDIQSILR	1	1	1xTMT6plex [N-Term]	-	-	0.848	0.817814708	0	1561.790697	2	781.3985596	-0.546929481	69.54768254
													TQESGDQDPQEAQK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.743	0.985823452	0	2019.003098	3	673.6723633	-0.278036349	32.28396297
													QVVEAAQAPIQER	2	1	1xTMT6plex [N-Term]	-	1.159	1.175	0.908074021	0	1667.927799	2	834.4673462	-0.229966302	50.17934582
													TLEDEEEQERER	1	1	1xTMT6plex [N-Term]	-	0.784	-	1.300737143	1	1791.855816	3	597.9575806	1.324012344	30.21484262
													TSLSEK	2	1	2xTMT6plex [N-Term; K6]	-	1.108	-	0.913571537	0	1122.67706	2	561.8414307	-1.314360048	36.29303012
24430137	LAGE3	EKC/KEOPS complex subunit LAGE3	11.18881119	1	2	1	143	14.795	8.63	0.978	-	0.821														
													DADADAGGGADGGDGR	2	1	1xTMT6plex [N-Term]	0.978	-	0.821	1.203252554	0	1605.693836	2	803.34729	-4.068454227	20.73988191
38788416	LAMA1	laminin subunit alpha-1 precursor	0.227642276	1	1	1	3075	336.867	6.35	-	-	0.433														
													SFVGCIK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	-	0.433	1.753264308	0	1268.7437	2	634.8761597	1.057972494	61.4332258

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
732170489	LAMA3	laminin subunit alpha-3 isoform 1 precursor	24.30243024	61	237	61	3333	366.384	7.24	0.38	0.373	0.333														
													HMETQAK	1	1	2xTMT6plex [N-Term; K7]	0.246	-	-	1.826098561	0	1302.724027	3	434.9133606	1.152421448	22.35346983
													HMETQAK	3	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M2]	0.207	-	0.226	1.695717454	0	1318.718942	3	440.2445679	0.157814736	19.31012823
													CQEGYYGNAVHGSCR	5	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.291	0.337	0.32	2.555280209	0	1986.874795	2	993.9407959	-0.241385681	28.50178589
													ALTDADNSVNK	5	1	2xTMT6plex [N-Term; K11]	0.274	0.289	0.291	1.712248683	0	1605.884821	3	535.9669189	0.860962081	45.3744198
													SQFAVDMQTTSSR	5	1	1xTMT6plex [N-Term]	0.35	0.412	0.397	1.75602293	0	1686.83185	2	843.9190063	-0.66037684	49.40562298
													SQFAVDMQTTSSR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	-	0.471	0.656	1.9905864	0	1702.826765	3	568.2810059	0.997933648	38.37803142
													CAPGYFGNPQK	4	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.35	0.306	0.333	1.732644439	0	1696.888133	3	566.3005981	-0.525335989	51.71829483
													SAISNHGSK	3	1	2xTMT6plex [N-Term; K9]	0.975	1.219	1.211	1.854639292	0	1358.779234	2	679.8928223	-0.637306435	23.58731758
													NSFMALYLSK	4	1	2xTMT6plex [N-Term; K10]	0.315	0.3	0.32	1.78792417	0	1631.923121	3	544.6463013	0.753527282	90.36165785
													NSFMALYLSK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M4]	0.391	-	-	0.98693186	0	1647.918036	3	549.9785767	1.905962797	74.31326056
													EAELQVDQILTK	3	1	2xTMT6plex [N-Term; K12]	1.437	0.702	-	1.304615617	0	1845.07335	2	923.0418701	1.687566717	83.41226551
													SLTGILIHIGSQPGK	3	1	2xTMT6plex [N-Term; K15]	0.391	0.462	0.406	1.194953322	0	1979.205367	4	495.5548401	-3.959507471	85.47562325
													LGGSNFEGCISNVFVQR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.421	0.641016841	0	2113.069789	3	705.027771	-0.4871073	87.12217632
													LVFALGTDGK	11	1	2xTMT6plex [N-Term; K10]	0.39	0.419	0.367	1.37089026	0	1478.898286	2	739.9537964	1.372510507	86.21164062
													ANDITDEVLDGLNPIQTDVER	3	1	1xTMT6plex [N-Term]	0.299	0.283	0.286	2.390880585	0	2556.299056	3	852.7669678	-4.970365129	93.63310116
													THQGENNGLANSIR	3	1	1xTMT6plex [N-Term]	0.222	0.229	0.222	2.195433378	0	1739.898624	3	580.6376343	-0.157956311	26.53553873
													VTASMDSGAGGTSTSVTPK	9	1	2xTMT6plex [N-Term; K19]	0.403	0.389	0.388	2.197236538	0	2212.153133	3	738.0548096	-1.47253778	53.15158068
													VTASMDSGAGGTSTSVTPK	6	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M5]	0.375	0.384	0.408	1.907612205	0	2228.148048	2	1114.574951	-2.433508067	44.27948275
													GLVFHTGTK	1	1	2xTMT6plex [N-Term; K9]	0.434	-	-	1.318455458	0	1417.856756	2	709.4311523	-1.218650962	48.11239883
													LNSELPK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.364	1.049561501	0	1258.777109	2	629.8922729	0.127590847	52.73598033
													QSLCDGQWHSVAVTIK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.394	0.362	-	1.297965527	0	2287.226907	2	1144.116577	-0.450205933	66.40005279
													VWQDACSPLPK	6	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.382	0.389	0.384	1.434092283	0	1758.961298	2	879.9840088	-0.316415077	70.03197417
													INQLLQDTPVASPR	6	1	1xTMT6plex [N-Term]	0.3	0.389	0.346	2.127985001	0	1781.011863	3	594.340271	-3.14625738	78.46694079
													NIHVNHIPVPVTEALEVQGPVSLNGCPDQ	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.545	-	0.67	1.349523187	0	3362.73644	3	1121.584961	1.156796725	89.16311814
													CAVDAATAYENILNAIK	5	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	0.28	0.28	0.295	2.748707533	0	2295.241889	2	1148.12854	3.448324189	97.53605847
													NSNTLLNLDPENVVFYVGGYPPDFK	4	1	2xTMT6plex [N-Term; K25]	0.301	0.32	0.318	1.559902191	0	3270.7087	3	1090.909302	1.422224925	101.5908227
													AGYTGTQCER	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.362	0.515	1.265413165	0	1371.65243	2	686.3295898	-0.383852708	22.99459387
													AQTLNNNVNR	2	1	1xTMT6plex [N-Term]	0.205	0.327	-	0.978279173	0	1372.749441	2	686.8773193	-1.514572188	28.58912243
													GATSSKPETPGVYDMDGR	1	1	2xTMT6plex [N-Term; K6]	-	0.393	-	0.939824522	0	2326.174931	3	776.0628052	-0.459433485	46.88237802
													GATSSKPETPGVYDMDGR	1	1	2xTMT6plex [N-Term; K6]; 1xOxidation [M15]	-	0.427	-	0.629056692	0	2342.169846	3	781.3949585	0.203332086	41.97535233
													DSLNEYEAK	3	1	2xTMT6plex [N-Term; K9]	-	0.221	0.329	1.287997127	0	1526.810259	2	763.9088745	0.139698719	47.84985459
													GDIDAMISSAK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M6]	-	0.405	0.373	1.35190475	0	1581.855829	2	791.4310303	-0.660966129	51.83505665
													ENGGTENMFVMYLGNK	1	1	2xTMT6plex [N-Term; K16]	0.451	-	-	0.756629169	0	2262.129895	3	754.7149048	0.117555349	89.75725455
													EINSLQSDFTK	1	1	2xTMT6plex [N-Term; K11]	0.365	-	-	0.966217279	0	1739.957986	2	870.4838257	1.372945328	65.77656496
													SQLQGLSASAGLLEQMR	2	1	1xTMT6plex [N-Term]	0.756	-	0.628	2.157037258	0	2018.09019	3	673.364563	-5.477503043	83.94204716
													GIYFSEEGGHVVLAHSVLLGPEFK	3	1	2xTMT6plex [N-Term; K24]	0.58	0.403	0.655	1.438041925	0	3043.665713	3	1015.225525	-1.213015264	88.85653118
													YLTTADSSLLQTNIALQLMEK	3	1	2xTMT6plex [N-Term; K21]	0.395	0.178	0.225	2.29134059	0	2811.557803	3	937.8581543	0.749445956	101.2292015
													SPQTYMDGLLHYVSVISDNSGLR	3	1	1xTMT6plex [N-Term]	0.316	0.372	0.265	1.057225823	0	2781.407895	3	927.8068848	-0.64489395	100.6162031
													ACPCPHTNSFATGCVVNGGDVR	5	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.387	0.242	0.212	1.725957751	0	2605.190726	3	869.0679321	-0.569184155	50.61141649
													TSLVEEAEK	2	1	2xTMT6plex [N-Term; K9]	0.256	-	-	1.692574501	0	1463.835746	2	732.4213867	-0.16995247	51.84795549
													HLCVYLEAGK	3	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.592	0.463	-	1.645081401	0	1647.929269	3	549.9818115	0.978288536	58.88886053
													VPTQPHAPIPTFGQTIQTTVDR	5	1	1xTMT6plex [N-Term]	0.393	0.386	0.442	1.518506289	0	2633.424866	4	659.1112061	-0.710558055	74.42724788
													LPNDLEDLK	4	1	2xTMT6plex [N-Term; K9]	0.39	0.441	0.426	1.280145407	0	1514.88303	3	505.6322632	-0.524033343	77.78121134
													SLPTNSFVGCLK	10	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.395	0.448	0.429	1.686064124	0	1781.003162	2	891.0040283	-1.337605359	79.05867563
													QEVSPALNNLQQTLNIVTVQK	7	1	2xTMT6plex [N-Term; K21]	0.208	0.233	0.94	1.393582821	0	2795.603113	3	932.5391846	-0.040338009	95.41186563
													TLSSNSDK	1	1	2xTMT6plex [N-Term; K8]	-	0.251	-	2.112708092	0	1309.736366	2	655.3713989	-0.644975935	31.62896354
													TQNEDFK	2	1	2xTMT6plex [N-Term; K7]	0.247	-	0.235	1.290544629	0	1339.725801	2	670.3670654	0.785921548	37.5209747
													AASASESALQTVIK	8	1	2xTMT6plex [N-Term; K14]	0.694	0.393	0.343	1.953534842	0	1834.068599	2	917.5360107	-2.101358492	66.31255578
													LSLSPEVLDLTSNSLK	12	1	2xTMT6plex [N-Term; K16]	0.297	0.305	0.351	3.649707079	0	2174.268421	2	1087.637573	-0.25336137	97.03924365
													GCIELDDLNENVLSLYNFK	4	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.431	0.421	0.447	2.550536633	0	2714.411139	4	679.3590088	1.129750098	99.11101421
													DGLHGIQR	2	1	1xTMT6plex [N-Term]	-	0.287	0.284	1.334305048	0	1124.637372	3	375.5505066	-0.360271337	31.26310961
													LQEAAAQAK	6	1	2xTMT6plex [N-Term; K9]	0.234	0.224	0.233	2.474128008	0	1387.830935	3	463.2820435	0.462621979	45.1225739
													LAASLNEAR	1	1	1xTMT6plex [N-Term]	0.457	-	-	1.013152242	0	1173.678902	2	587.3429565	-0.22633453	46.67880885
													WHTVVFGHDGEK	8	1	2xTMT6plex [N-Term; K12]	0.395	0.371	0.351	2.257383108	0	1870.001188	2	935.5042114	-0.022410915	54.1999056
													FISLNIEDGK	5	1	2xTMT6plex [N-Term; K10]	0.465	0.453	0.433	2.577579021	0	1593.925229	3	531.9790649	-1.623492579	82.5919401
													ELTDLNQEFETLQEK	5	1	2xTMT6plex [N-Term; K15]	0.295	0.222	0.347	1.866323709	0	2295.212028	3	765.7421875	-0.008164823	88.76247488
													ELIQQAR	1	1	1xTMT6plex [N-Term]	-	-	0.334	1.027145624	0	1086.646874	2	543.8264771	-1.10088978	36.56559511
													LVVDGLR	1	1	1xTMT6plex [N-Term]	-	0.814	-	0.831694722	0	1000.635246	2	500.8211975	-0.128019145	56.46922932
													LLIDDQLLR	1	1	1xTMT6plex [N-Term]	-	0.34	-	0.449992239	0	1327.814667	2	664.4110718	0.150385963	88.04682995
													NQLLNYR	1	1	1xTMT6plex [N-Term]	-	0.169	-	1.718713403	0	1149.657773	2	575.3326416	0.203358887	47.57004197
													LSLSPEVLDLTSNSLKR	1	1	2xTMT6plex [N-Term; K16]	-	0.428	-	0.960137784	1	2330.369532	3	777.4613647	0.003985755	91.96745977
													QANGLNQENER	4	1	1xTMT6plex [N-Term]	-	0.239	0.308	1.268200278	0	1501.755649	2	751.3814697	0.009431045	25.97294783
													DVSLGGCSLNKPPFLMLLK	1	1	3xTMT6plex [N-Term; K11; K19]; 1xCarbamidomethyl	-	-	0.483	1.09886241	0	2776.607226	3	926.2064819	-0.840273409	98.77011711
													QISGTDGEGNNVPSGDFSR	7	1	1xTMT6plex [N-Term]	0.299	0.332	0.411	1.235761642	0	2166.026069	2	1083.515869	-0.742100371	47.16833624
													RESQLLLNR	2	1	1xTMT6plex [N-Term]	0.602	0.57	-	1.903167009	1	1357.811313	3	453.275177	-0.247040319	38.8977615
													NVHILLK	3	1	2xTMT6plex [N-Term; K7]	-	0.226	0.193	1.633049846	0	1294.861113	3	432.2920837	0.451678329	56.25794273
21264602	LAMA5	laminin subunit alpha-5 precursor	4.248985115	13	25	13	3695	399.479	7.02	1.226	1.158	1.185														
													GSPRPTEDLYCK	1	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.246	-	-	0.907091975	0	1880.994054	3	627.6707764	1.978608893	43.09866688
													GQYCDICTAANSNK	1	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	-	1.08	-	1.281730294	0	2059.994131	3	687.336792	0.821393875	46.02582247
													LAASLDGAR	2	1	1xTMT6plex [N-Term]	-	1.255	1.33	1.711591363	0	1102.641788	2	551.8242188	-0.569069671	49.72403324
													AVAAEAQDTATR	3	1	1xTMT6plex [N-Term]	1.043	1.019	1.051	1.270150542	0	1432.759337	2	716.8831177	-0.264083735	30.82992522

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													CRPNTQGPTCSEPAR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.296	-	-	0.672216833	0	1959.932644	3	653.9829102	0.78228645	23.19514756
													FFLHGVTLVPIEEFSPEFVEPR	2	1	1xTMT6plex [N-Term]	1.291	-	1.17	1.122389555	0	2818.501719	3	940.1754761	3.603369332	100.6646441
													AHVEGPSCDR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.106	1.219	1.388	0.952908218	0	1356.652764	3	452.8893127	0.457768147	25.01310153
													EAQELNSR	1	1	1xTMT6plex [N-Term]	-	1.025	-	1.262943506	0	1175.621781	2	588.3148193	0.494140109	35.82249049
													ENVQGPK	4	1	2xTMT6plex [N-Term; K7]	1.23	1.137	1.26	2.225368738	0	1229.725407	3	410.5796814	-0.745305042	32.51912016
													AGALLPAIHEQLR	3	1	1xTMT6plex [N-Term]	1.366	1.382	1.295	1.774458528	0	1617.963791	3	539.9927368	-0.082690838	65.13131884
													LGGQAVGTR	1	1	1xTMT6plex [N-Term]	1.115	-	-	1.219449759	0	1087.642123	2	544.3240967	-1.108811989	31.77012243
													LELEEAATPEGHAVR	2	1	1xTMT6plex [N-Term]	-	1.041	1.042	1.054762125	0	1850.980957	3	617.6659546	1.271498511	51.88120319
													ISFDSQISTTK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.084	0.958649814	0	1684.952172	2	842.9801636	0.521248289	66.26472019
167614504	LAMB1	laminin subunit beta-1 precursor	18.86898096	28	67	28	1786	197.909	4.94	0.771	0.812	0.773														
													YEPQLPDHWEK	2	1	2xTMT6plex [N-Term; K11]	0.853	0.678	-	1.541124821	0	1900.000519	3	634.0053101	0.451329235	59.80734359
													AEMLLEEAK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M3]	0.666	-	-	1.975611329	0	1507.844202	2	754.4246826	-1.401740062	64.06597656
													YSDIEPSTEGEVIFR	2	1	1xTMT6plex [N-Term]	-	0.88	0.83	1.161494732	0	1970.990853	3	657.6700439	2.397609269	71.86383416
													ELDSLQTEAESLDNTVK	3	1	2xTMT6plex [N-Term; K17]	0.901	-	0.823	1.531030774	0	2350.238971	3	784.0847168	0.266441257	83.89447259
													QSAEDILLK	4	1	2xTMT6plex [N-Term; K9]	-	1.07	1.044	1.660896301	0	1474.888116	2	737.9467163	-1.328611162	66.58104755
													AQVAAEK	3	1	2xTMT6plex [N-Term; K7]	-	0.84	0.784	1.779508233	0	1174.719594	2	587.862915	-0.885634223	33.54456613
													ETVDSVERK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.745	1.555765152	1	1520.868443	3	507.6279297	0.521493167	34.18464697
													AAQNSGEAEYIEK	6	1	2xTMT6plex [N-Term; K13]	0.756	0.769	0.791	1.780349255	0	1867.980178	2	934.4935913	-0.145506262	46.26378009
													ISGVIGPYR	2	1	1xTMT6plex [N-Term]	0.796	0.803	-	0.978673279	0	1190.709474	2	595.8574829	-1.498938008	58.52374724
													CGNTIPDDDNQVVSLSPGSR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.756	0.737	-	1.801686764	0	2360.134968	2	1180.568848	-1.927486166	58.40116196
													EGFYDLSSEDPFGCK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.804	-	-	0.721780181	0	2209.052357	3	737.022644	0.462740914	87.57761983
													LNVEGEHCDVCK	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	0.782	-	-	1.182126045	0	1917.956289	3	639.9897461	-0.836123722	45.27287876
													TLLAQANSK	3	1	2xTMT6plex [N-Term; K9]	0.691	0.758	0.743	1.988187075	0	1403.862235	2	702.4350586	0.431215745	57.28713255
													GALDSITK	2	1	2xTMT6plex [N-Term; K8]	-	0.83	0.785	1.476734757	0	1262.772023	2	631.8901367	0.770960618	52.92353638
													ELAEQLEFIK	4	1	2xTMT6plex [N-Term; K10]	0.749	0.752	0.734	1.751777887	0	1677.982744	3	559.9988403	-0.46269481	86.40640289
													NFLTQDSADLDSIEAVANEVLK	3	1	2xTMT6plex [N-Term; K22]	0.772	0.791	0.755	2.166701317	0	2850.513689	3	950.8423462	-0.422273286	102.3713486
													AMDLDQDVLSALAEVEQLSK	3	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M2]	0.654	0.624	0.645	1.935326695	0	2649.405719	3	883.8067017	-0.063130962	105.9739975
													EALEEAEK	1	1	2xTMT6plex [N-Term; K8]	0.847	-	-	1.044762611	0	1376.767332	2	688.8864746	-1.205091966	44.75535008
													ETVDSVER	1	1	1xTMT6plex [N-Term]	-	-	0.852	2.104430914	0	1163.610548	2	582.3091431	0.396853409	29.9381286
													NIGNLFEEAEK	5	1	2xTMT6plex [N-Term; K11]	0.731	0.676	0.662	1.762603641	0	1721.947421	3	574.6537476	-0.424980583	80.43521416
													VESLSQVEVILQHSAADIAR	3	1	1xTMT6plex [N-Term]	0.822	0.823	0.84	3.1898489	0	2394.319004	3	798.7781982	0.433495521	96.36536272
													DILAQSPAAEPLK	6	1	2xTMT6plex [N-Term; K13]	0.792	0.811	0.751	2.593942165	0	1811.067871	2	906.0358276	-1.928153339	70.20211266
													DIRDPNFCER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.907	-	1.300275445	1	1550.758292	3	517.5901489	-1.54636778	40.26977317
													LHTLGDNLLDSR	1	1	1xTMT6plex [N-Term]	-	0.869	-	0.724737942	0	1582.875036	3	528.2958374	-1.311893183	59.5208358
													TLDGELDEK	2	1	2xTMT6plex [N-Term; K9]	-	0.783	0.735	0.877101302	0	1477.81501	2	739.4116821	0.729115488	53.57600911
													TFRPAAMLIER	1	1	1xTMT6plex [N-Term]	-	1.094	-	0.965755939	0	1533.877284	3	511.9644775	1.039924904	63.24404265
													CGGPGCGGLVTVAHNAWQK	1	1	2xTMT6plex [N-Term; K19]; 2xCarbamidomethyl	-	-	1.1	1.552869081	0	2427.242575	3	809.7515869	-0.975196232	62.48569787
													AEMLQNEAK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M3]	-	-	0.495	0.649314582	0	1507.81905	2	754.4124146	-0.993234856	41.92871761
62868215	LAMB3	laminin subunit beta-3 precursor	36.34812287	35	114	35	1172	129.489	7.21	0.296	0.289	0.332														
													DMPCDEESGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.221	-	0.331412911	0	1424.598345	2	712.8034668	0.920907816	29.26786993
													DMPCDEESGR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M2];	0.171	0.182	0.19	0.852305233	0	1440.59326	2	720.7994995	-1.067370371	20.65047095
													SQMEEDVR	1	1	1xTMT6plex [N-Term]	-	-	0.35	0.857624888	0	1222.593517	2	611.800354	-0.070401312	28.23259018
													QAGGGGGTGSPK	4	1	2xTMT6plex [N-Term; K12]	0.185	0.155	0.15	1.655241966	0	1431.795612	2	716.4003296	-1.557205717	22.91273389
													RLQAEAEEAR	2	1	1xTMT6plex [N-Term]	-	0.393	0.263	2.057406902	1	1401.764757	3	467.9272766	1.797529844	25.83398887
													LQAEAEEAR	4	1	1xTMT6plex [N-Term]	0.313	0.426	0.334	1.807505369	0	1245.663646	2	623.3354492	-0.019341096	33.93867941
													QGTVALQEAQDTMQGTSR	4	1	1xTMT6plex [N-Term]	0.247	0.295	0.317	2.381778479	0	2150.070911	3	717.3618774	0.078259846	58.00943981
													QGTVALQEAQDTMQGTSR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M13]	0.563	0.404	0.657	1.995485425	0	2166.065826	3	722.6950684	2.228010833	42.16683902
													VAEVQQVLRPAEK	1	1	2xTMT6plex [N-Term; K13]	0.325	-	-	0.847954512	0	1925.158417	2	963.0838013	0.991580249	59.57025273
													RDMPCDEESGR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3];	-	-	0.208	1.014740467	1	1596.694371	3	532.902832	-0.268157925	18.08546828
													IQEVGEITNLR	2	1	1xTMT6plex [N-Term]	0.395	0.298	-	0.919760764	0	1500.858323	2	750.9319458	-1.137934482	68.59962586
													VQLNLMDLVSGIPATQSQK	2	1	2xTMT6plex [N-Term; K19]	0.124	0.105	-	1.919756413	0	2500.420915	2	1250.712646	-1.159385299	99.62590898
													VQLNLMDLVSGIPATQSQK	3	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M6]	0.171	0.239	-	2.038501501	0	2516.41583	3	839.4747925	-2.386771106	95.83265837
													SADLTGLEK	3	1	2xTMT6plex [N-Term; K9]	-	0.459	0.425	1.60677588	0	1391.814616	2	696.4118042	1.232562453	55.14884771
													QLGDFWTR	1	1	1xTMT6plex [N-Term]	-	0.714	-	0.926317811	0	1251.668337	2	626.3374023	-0.646642945	68.85828265
													CLCLPNVVGPK	5	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	0.172	0.184	0.182	1.90648973	0	1714.974839	3	572.3289795	-1.431055069	78.81016432
													LEMSSLPDLTPTFNK	3	1	2xTMT6plex [N-Term; K15]	-	0.2	-	1.078287005	0	2151.177163	3	717.7305908	0.026144261	94.2786286
													SQMEEDVRR	1	1	1xTMT6plex [N-Term]	-	0.268	-	1.090528965	1	1378.694628	3	460.2370605	1.450626255	26.00118286
													GTEGPGCDK	4	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.171	0.188	0.2	1.763241053	0	1378.703686	3	460.2398682	0.990265132	28.67700085
													LQGSCFCHGHADR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.733	-	0.447	2.357687473	0	1773.811072	3	591.9419556	0.135865213	29.42623294
													TYGDVATGCR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.402	0.406	-	1.236906886	0	1328.646616	2	664.8273926	0.671801094	34.03779751
													LETQVSASR	4	1	1xTMT6plex [N-Term]	0.325	0.368	0.314	1.33656621	0	1219.684381	2	610.3465576	1.194771695	39.07394529
													VENVASSSGPMR	5	1	1xTMT6plex [N-Term]	0.264	0.236	0.26	1.545918703	0	1462.752143	2	731.8783569	-1.84994623	40.62572949
													VENVASSSGPMR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	-	0.253	-	0.762147427	0	1478.747058	2	739.8764038	-1.03280869	34.05167556
													AHAVEGQVEDVVGNLR	9	1	1xTMT6plex [N-Term]	0.578	0.551	0.503	2.119257212	0	1922.029304	3	641.348877	1.442984958	62.72910239
													LPNVDLVLSQTK	3	1	2xTMT6plex [N-Term; K12]	0.228	0.306	-	1.370321512	0	1785.088606	3	595.7020264	1.635617163	91.76740436
													MLSTAYEQSAQAAQQVSDSSR	2	1	1xTMT6plex [N-Term]	0.633	0.609	-	1.310456753	0	2487.198296	3	829.736145	-1.774756525	65.96315064
													TLQGLQLDLPLEEETLSLPR	3	1	1xTMT6plex [N-Term]	0.544	-	0.408	1.975928664	0	2494.396585	2	1247.709351	5.949110885	99.44677779
													AAEESASQIQSSAQR	9	1	1xTMT6plex [N-Term]	0.359	0.425	0.373	2.98946476	0	1791.903435	2	896.4549561	-0.446140461	33.14040154
													MNEIQAIAAR	2	1	1xTMT6plex [N-Term]	0.602	-	0.737	1.301389456	0	1345.745936	2	673.3753662	-1.842820446	58.32219503
													AGGAFLMAGQVAEQLR	3	1	1xTMT6plex [N-Term]	0.41	0.336	0.471	1.689158797	0	1847.999918	3	616.6719971	0.822278682	89.46389514
													AGGAFLMAGQVAEQLR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	0.44	-	0.701	1.751482487	0	1863.994833	3	622.0044556	2.135230821	76.02148442
													GYHPPSAYYAVSQLR	1	1	1xTMT6plex [N-Term]	0.411	-	-	1.2860291	0	1938.007112	3	646.6727905	-1.699631517	57.26096973

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QQGAEAVQAQQLAEGASEQALSAQEGFER	2	1	1xTMT6plex [N-Term]	-	0.224	0.267	2.37548089	0	3260.598091	3	1087.535522	-1.86373083	78.65977905
													GACYPPVGDLLVGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.184	0.22	-	1.40321064	0	1702.914792	2	851.9586792	-2.766075898	78.75917288
													AVLSSPAVTEQEVAQVASAILSLRR	2	1	1xTMT6plex [N-Term]	3.018	0.381	-	1.448177695	1	2824.609372	4	706.9074097	-0.553314784	104.1022173
													AVLSSPAVTEQEVAQVASAILSLR	6	1	1xTMT6plex [N-Term]	0.188	0.207	0.21	2.126159668	0	2668.508261	3	890.1739502	-0.361023451	109.161941
													VLYYATCK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	0.396	0.778935373	0	1475.833244	2	738.4211426	1.195884601	60.55045512
													VYQYLAADCTSTFPR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.331	0.865929425	0	2020.999978	2	1011.003296	-0.328061916	76.4931823
													SFNGLLTMYQR	1	1	1xTMT6plex [N-Term]	-	-	0.445	1.180712938	0	1558.824914	2	779.9157104	-0.493975658	78.90836504
145309326	LAMC1	laminin subunit gamma-1 precursor	21.8769422	29	67	29	1609	177.489	5.12	0.826	0.816	0.869														
													STGHGGHCTNCQDNTDGAHCER	3	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.953	1.367	0.982	0.76983124	0	2700.089508	5	540.8237915	0.12694747	15.86909238
													ALAEEAAK	3	1	2xTMT6plex [N-Term; K8]	0.961	0.814	0.783	1.889113426	0	1260.756373	2	630.8815918	-0.369806776	43.31148025
													LIEIASR	1	1	1xTMT6plex [N-Term]	-	0.826	-	0.784496903	0	1030.645811	2	515.8273926	1.646905495	56.80426244
													SYYYAISDFAVGGR	2	1	1xTMT6plex [N-Term]	0.84	-	1.037	1.701843619	0	1797.900916	3	599.9694214	-4.007428763	84.87321348
													LSAEDLVLEGAGLR	3	1	1xTMT6plex [N-Term]	0.787	-	0.865	1.796519756	0	1671.947866	2	836.4744263	-3.762157341	90.22758954
													TFAEVTDLDNEVNNMLK	2	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M15]	-	1.051	1.122	1.592688441	0	2427.247762	3	809.7595825	6.769963434	87.12835804
													DNTAGPHCEK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.751	0.803	-	1.256060839	0	1586.799712	3	529.6048584	0.195629801	22.67206589
													QEADDIVR	1	1	1xTMT6plex [N-Term]	-	-	0.791	0.939875126	0	1174.626532	2	587.8162842	-1.056012776	34.02512472
													EVVCTNCPTGTTGK	6	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	1.304	1.025	0.867	1.387964964	0	1982.008718	2	991.5059814	-2.034223835	43.85021948
													EAQQALGSAAADATEAK	6	1	2xTMT6plex [N-Term; K17]	0.725	0.749	0.844	2.400684595	0	2090.112983	2	1045.559937	-0.184828824	55.41737644
													TLPSGCFNTPSIEKP	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.94	0.892	0.889	1.004331708	0	2106.130547	2	1053.568726	-0.177063157	73.35208054
													DGFFGNPLAPNPADK	3	1	2xTMT6plex [N-Term; K15]	0.94	0.946	0.959	1.373145938	0	2018.074747	2	1009.532288	-8.646024987	83.87827213
													TAAEEALRK	1	1	2xTMT6plex [N-Term; K9]	-	0.708	-	0.699240625	1	1446.868049	3	482.9606323	-0.487333551	47.22211644
													DTLQEANDILNNLK	1	1	2xTMT6plex [N-Term; K14]	-	1.073	-	1.023930192	0	2059.143555	3	687.0509033	-2.621438923	92.26776663
													EGFVGNR	2	1	1xTMT6plex [N-Term]	-	1.072	1.157	1.201954603	0	1007.54716	2	504.2771606	-0.114238759	32.3991299
													ATAESASECLPCDCNGR	2	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.359	0.282	-	1.712532759	0	2126.910254	3	709.6403809	-1.722885048	41.7314037
													VHEEAK	1	1	2xTMT6plex [N-Term; K6]	-	-	0.868	1.479131579	0	1170.688294	3	390.9014893	1.384496152	23.56798503
													NTIEETGNLAEQAR	5	1	1xTMT6plex [N-Term]	0.905	0.922	0.811	2.015806675	0	1774.913271	3	592.3095093	0.396200785	49.30773312
													LCQCSDNIDPNAVGNCNR	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	0.746	-	2.265589476	0	2336.037914	3	779.3498535	-1.244202035	50.7954344
													GRDTLQEANDILNNLK	2	1	2xTMT6plex [N-Term; K16]	0.811	0.796	-	2.228818893	1	2272.266129	3	758.0938721	0.410902986	81.2891174
													CNGHASECMK	3	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M9];	0.684	0.698	0.637	1.377715707	0	1667.770403	3	556.5949707	-0.026298959	22.67956097
													DGSEASLEWSSER	2	1	1xTMT6plex [N-Term]	-	0.954	0.857	1.286748648	0	1681.786674	2	841.3967285	-0.293437187	53.31238578
													VSDLENEAK	1	1	2xTMT6plex [N-Term; K9]	0.764	-	-	0.852254629	0	1462.815345	2	731.9105835	-0.994067924	49.69876775
													LNEIEGTLNK	1	1	2xTMT6plex [N-Term; K10]	0.783	-	-	1.716212153	0	1588.931043	2	794.9680176	-1.43769219	67.03545825
													LNTFGDEVFNDPK	5	1	2xTMT6plex [N-Term; K13]	0.78	0.796	0.792	2.518827438	0	1954.032213	3	652.0167236	1.742176211	81.03928793
													TEQQTADQLLAR	2	1	1xTMT6plex [N-Term]	-	0.936	0.945	1.316405892	0	1602.864865	2	801.9364014	0.412632649	49.03122166
													CLPFFNDRPWR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.815	-	1.634288907	0	1736.889246	3	579.633667	-1.611192794	78.28779031
													VSVPLIAQGNSYPSETVK	1	1	2xTMT6plex [N-Term; K19]	-	0.766	-	2.231857777	0	2448.375011	3	816.7980347	1.854206927	83.12395881
													IASAVQK	2	1	2xTMT6plex [N-Term; K7]	-	0.576	-	1.783328891	0	1174.755979	2	587.8823242	1.185324888	48.62028058
157419138	LAMC2	laminin subunit gamma-2 isoform a precursor	49.70662196	48	200	48	1193	130.892	6.19	0.483	0.518	0.521														
													DNLPPGCYNTQALEQQ	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.749	-	0.885	1.21296525	0	2076.985785	2	1038.99585	-0.655753766	61.7308892
													NLENIRDNLPPGCYNTQALEQQ	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.486	-	0.389	1.745215058	1	2816.383471	3	939.4640503	-2.085494093	70.13096911
													GHLHLLETSIDGILADVK	3	1	2xTMT6plex [N-Term; K18]	0.364	-	0.409	1.643459439	0	2389.385516	3	797.1322021	-1.449299271	93.89381299
													TQINSQLRPMMSELEER	1	1	1xTMT6plex [N-Term]; 2xOxidation [M10; M11]	-	-	0.164	1.233551145	0	2323.158346	3	775.0584717	1.082762639	50.15259564
													CDCDPAGIAGPCDAGR	2	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.43	0.396	-	1.742364049	0	1920.819982	2	960.9126587	-1.010801223	45.23871633
													AEAEEAMK	6	1	2xTMT6plex [N-Term; K8]	1.385	1.351	1.372	2.197484732	0	1336.718273	3	446.2441101	-0.371086222	38.13618509
													AEAEEAMK	9	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M7]	0.458	0.54	0.561	1.43678534	0	1352.713188	3	451.576416	1.113825819	30.23088832
													SSAEYSVHK	5	1	2xTMT6plex [N-Term; K9]	0.39	0.37	0.401	1.655132294	0	1465.805114	3	489.2738647	1.3144778	32.91069349
													MEALISK	5	1	2xTMT6plex [N-Term; K7]	0.427	0.446	0.443	2.424744129	0	1249.759016	2	625.3820801	-1.706139922	66.2965862
													EEAQQLLQNGK	4	1	2xTMT6plex [N-Term; K11]	0.2	0.217	0.207	1.63141799	0	1715.969219	2	858.4898682	1.888395251	53.57305239
													ITSTFHQDVDGWK	5	1	2xTMT6plex [N-Term; K13]	0.416	0.575	0.422	1.89763844	0	1992.059097	3	664.6913452	0.19354573	65.62651076
													ALHEGVGSGSGSPDGAVVQGLVEK	4	1	2xTMT6plex [N-Term; K24]	0.338	0.267	0.282	1.61828196	0	2708.461928	3	903.491333	-0.916589056	64.10219292
													LQGVSDQSFQVEEAK	6	1	2xTMT6plex [N-Term; K15]	0.349	0.302	0.292	1.613510132	0	2123.138469	2	1062.072388	-0.45708718	66.49963406
													MQQAEQALQDILR	9	1	1xTMT6plex [N-Term]	0.458	0.48	0.49	3.000178099	0	1772.952634	3	591.6563721	1.088083743	94.89128891
													MQQAEQALQDILR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	0.534	0.54	0.496	2.523252964	0	1788.947549	3	596.9876099	0.406663596	78.85926278
													ALGSQYQNR	2	1	1xTMT6plex [N-Term]	0.266	0.214	-	1.217066646	0	1265.679965	2	633.343689	0.10792593	30.36789191
													KAEAEEAMK	2	1	3xTMT6plex [N-Term; K1; K9]	0.304	-	0.23	1.547208428	1	1693.976168	3	565.3294678	-1.36837798	40.80055948
													ALGSAAADAQR	5	1	1xTMT6plex [N-Term]	0.613	0.484	0.482	1.556184053	0	1259.690529	3	420.5682068	-0.366962092	31.49881954
													LAESHVESASNMEQLTR	4	1	1xTMT6plex [N-Term]	0.427	0.55	-	1.531719923	0	2131.065097	3	711.0263062	-0.343477527	51.25636128
													LAESHVESASNMEQLTR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M12]	0.407	0.452	0.477	1.607732415	0	2147.060012	3	716.3589478	1.060907336	39.25632129
													GGRHPSAHDVILEGAGLR	2	1	1xTMT6plex [N-Term]	-	0.467	0.372	1.704930663	1	2071.135835	4	518.5390015	-0.80096177	40.44178199
													TLPCGLTK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.522	-	0.486	1.342968941	0	1347.807029	3	449.9402466	-0.625010768	57.66301009
													HPSAHDVILEGAGLR	2	1	1xTMT6plex [N-Term]	0.391	0.507	-	1.228126884	0	1800.991797	4	451.0029602	-0.991453537	46.62672226
													AQGGDGVVPDTELEGR	4	1	1xTMT6plex [N-Term]	0.485	0.497	-	2.05399847	0	1828.923836	2	914.9680176	2.691482364	56.8727961
													EFDLQVDNRK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.805	1.386628985	1	1721.958655	3	574.6578979	0.282223766	52.66406576
													LSYISQK	2	1	2xTMT6plex [N-Term; K7]	0.57	0.666	-	1.254231572	0	1296.792759	2	648.8997803	-0.366136472	55.91100249
													SLGLQLAK	1	1	2xTMT6plex [N-Term; K8]	0.421	-	-	2.013187647	0	1287.840043	2	644.4243774	1.11425547	67.93200348
													LLDSVSR	1	1	1xTMT6plex [N-Term]	-	-	0.336	1.578498125	0	1018.609426	2	509.8091736	1.614856418	49.87552766
													VSDASDK	2	1	2xTMT6plex [N-Term; K7]	-	0.809	-	1.041995883	0	1179.662138	2	590.335083	0.636551433	40.06153865
													SDQLLSR	1	1	1xTMT6plex [N-Term]	-	0.396	-	1.273362279	0	1047.599589	2	524.3035278	0.181208607	46.01353121
													ACNCNPMGSEPVGCR	6	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.717	0.551	0.555	2.151654959	0	1937.828773	3	646.6137085	-1.135643019	48.92658102
													ACNCNPMGSEPVGCR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M7];	0.429	0.801	0.531	1.369167328	0	1953.823688	3	651.9462891	0.320406342	29.82615665
													CLPGFHMLTDAGCTQDQR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.323	-	0.322	1.463635921	0	2336.078322	3	779.3640137	-0.357027573	67.84558032
													CLPGFHMLTDAGCTQDQR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M7];	0.506	0.472	-	1.329024673	0	2352.073237	3	784.6956787	-0.320537293	63.38705182

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IQMDQFMQQLQR	5	1	1xTMT6plex [N-Term]	0.475	0.466	0.738	1.764168739	0	1794.919225	3	598.9784546	0.883181543	83.88322316
													SQENSYQSR	2	1	1xTMT6plex [N-Term]	-	0.374	0.641	0.885451078	0	1327.643973	2	664.3255005	-0.187319374	21.82515885
													DAQISEGASR	6	1	1xTMT6plex [N-Term]	0.413	0.438	0.488	2.265817165	0	1262.653809	2	631.8303833	-0.253037242	26.36609775
													HQDVFSSAQR	7	1	1xTMT6plex [N-Term]	0.345	0.404	0.539	1.627490401	0	1403.722892	2	702.3651733	0.12678406	38.6418634
													EVCDCNGK	2	1	2xTMT6plex [N-Term; K8]; 2xCarbamidomethyl	0.466	0.439	-	1.004599929	0	1439.702306	2	720.3556519	1.195407502	30.81950201
													GQFCQDCASGYK	5	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	0.432	0.445	0.428	2.42688489	0	1878.887875	2	939.9487915	1.29415802	45.84609143
													ADSLSSLVTR	3	1	1xTMT6plex [N-Term]	0.324	0.578	-	1.592449546	0	1277.726246	2	639.3661499	-0.957141889	60.79521517
													LDPVYFVAPAK	7	1	2xTMT6plex [N-Term; K11]	0.374	0.376	0.369	1.951267838	0	1677.998	3	560.0018311	-4.2076486	91.32770815
													RLSYISQK	1	1	2xTMT6plex [N-Term; K8]	-	0.628	-	0.841979384	1	1452.89387	3	484.9689026	-1.180524169	41.40702837
													CIHNTAGIYCDQCK	4	1	2xTMT6plex [N-Term; K14]; 3xCarbamidomethyl	0.501	0.5	0.525	2.527681828	0	2198.055685	2	1099.537354	5.343377481	44.32942766
													LNEHPSNNWSPQLSYFEYR	3	1	1xTMT6plex [N-Term]	0.407	0.413	0.661	2.368863821	0	2610.257466	3	870.7581177	0.894113847	75.59978785
													AGYFGDPLAPNPADK	9	1	2xTMT6plex [N-Term; K15]	0.552	0.579	0.512	1.849704504	0	1991.063848	3	664.3590698	-0.598497806	76.44131835
													ELEFDTNMDAVQMVITEAQK	1	1	2xTMT6plex [N-Term; K20]	-	1.042	-	1.913462877	0	2770.404338	3	924.137146	-2.690452659	98.37150368
													ELEFDTNMDAVQMVITEAQK	3	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M8]	1.308	1.163	-	1.748718739	0	2786.399253	3	929.4678345	-3.697679727	93.45240188
													ELEFDTNMDAVQMVITEAQK	7	1	2xTMT6plex [N-Term; K20]; 2xOxidation [M8; M13]	0.398	0.34	0.368	2.271187067	0	2802.394168	4	701.3522339	-2.520242586	90.20337104
													EATQAEIEADR	3	1	1xTMT6plex [N-Term]	0.622	0.593	0.624	1.268048048	0	1461.738267	2	731.3731079	0.45967895	37.01747293
													CLNCNDNTDGIHCEK	4	1	2xTMT6plex [N-Term; K15]; 3xCarbamidomethyl	0.291	0.373	0.501	1.733511925	0	2308.052056	3	770.022644	0.572971872	37.96263361
													SGYYNLDGGNPEGCTQCFCYGHSASCR	4	1	1xTMT6plex [N-Term]; 4xCarbamidomethyl	0.58	0.391	0.367	1.68909049	0	3346.360781	3	1116.124512	-0.537540292	56.5310253
													EVEGELERK	2	1	2xTMT6plex [N-Term; K9]	-	-	1.015	1.997775316	1	1546.884093	2	773.9453735	-0.402292383	38.97467831
													SLAQEATR	2	1	1xTMT6plex [N-Term]	-	0.354	0.342	1.626574159	0	1104.621053	2	552.8136597	-0.914507341	29.96890151
													CELCADGYFGDPFGEHGPVRPCQPCQCNNNVDPSASGNCDR	1	1	1xTMT6plex [N-Term]; 6xCarbamidomethyl	-	-	1.907	0.449500859	0	4943.03809	4	1236.517456	2.003789688	67.91402431
112380628	LAMP1	lysosome-associated membrane glycoprotein 1 precursor	3.836930456	1	1	1	417	44.854	8.75	1.105	-	-														
													FFLQGIQLNTILPDAR	1	1	1xTMT6plex [N-Term]	1.105	-	-	1.813012123	0	2075.185077	3	692.3998413	-0.051004713	101.4390256
169790833	LAMP2	lysosome-associated membrane glycoprotein 2 isoform C precursor	2.919708029	1	1	1	411	45.141	5.91	-	-	0.724														
													GILTVDELLAIR	1	1	1xTMT6plex [N-Term]	-	-	0.724	1.172772646	0	1541.94641	2	771.4766846	-0.205629309	98.77515309
11496277	LAMTOR3	ragulator complex protein LAMTOR3 isoform 1	8.064516129	1	3	1	124	13.614	7.34	0.512	0.613	0.833														
													ELAPLFEELR	3	1	1xTMT6plex [N-Term]	0.512	0.613	0.833	1.336072206	0	1445.820147	2	723.4157715	2.849482185	91.70912946
38788353	LAMTOR5	ragulator complex protein LAMTOR5	11.56069364	1	1	1	173	18.147	5.5	-	0.973	-														
													NPSIVGVLCTDSQGLNLGCR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.973	-	1.1245085	0	2389.21653	3	797.0775146	0.611470453	88.48150721
41393561	LAP3	cytosol aminopeptidase	28.32369942	10	25	10	519	56.131	7.93	0.528	0.511	0.5														
													GLVLGIYSK	1	1	2xTMT6plex [N-Term; K9]	-	0.525	-	1.912779689	0	1407.897558	2	704.4533081	1.265341308	80.29771173
													LILADALCYAHTFNPK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.486	0.548	0.515	1.628767848	0	2305.27788	3	769.0977173	0.311557004	95.40793517
													TIQVDNTDAEGR	5	1	1xTMT6plex [N-Term]	0.588	0.392	0.455	1.577611208	0	1547.78628	2	774.3959961	-1.010787161	38.87752974
													GSDEPPVFLEIHYK	1	1	2xTMT6plex [N-Term; K14]	0.721	-	-	1.482215762	0	2089.137013	3	697.050354	-0.241251903	77.31149677
													TFYGLHQDFPSVVLVGLGK	3	1	2xTMT6plex [N-Term; K19]	0.351	0.403	0.39	1.243351817	0	2535.437552	3	845.8164673	-1.066129406	96.04301084
													LNLPINIIGLAPLCENMPSGK	4	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	0.531	0.496	0.467	2.017366648	0	2722.539985	3	908.187561	2.991693608	103.430284
													LNLPINIIGLAPLCENMPSGK	2	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M17];	-	0.476	-	1.656081796	0	2738.5349	4	685.3901367	1.393863923	102.1999758
													LYGSGDQEAWQK	2	1	2xTMT6plex [N-Term; K12]	0.62	0.709	-	1.947388649	0	1839.964134	2	920.4851685	-0.583481992	61.39227384
													EKEDDVPQFTSAGENFDK	2	1	3xTMT6plex [N-Term; K2; K18]	0.683	-	0.677	2.402899981	1	2743.402966	3	915.1390991	-0.08071243	63.47733582
													GITFDSGGISIK	1	1	2xTMT6plex [N-Term; K12]	0.489	-	-	0.807798505	0	1652.962343	3	551.6582642	-1.272757084	78.43876329
													AAGIDEQENWHEGK	1	1	2xTMT6plex [N-Term; K14]	-	0.763	-	1.149046779	0	2042.034339	3	681.3502197	0.865484803	53.28289416
39725634	LARP1	la-related protein 1	0.785083415	1	1	1	1019	116.393	9.09	-	2.105	-														
													SDESGEEK	1	1	2xTMT6plex [N-Term; K8]	-	2.105	-	1.193675041	0	1338.678911	2	669.8435669	0.707069526	24.39851551
5453710	LASP1	LIM and SH3 domain protein 1 isoform a	28.35249042	7	10	7	261	29.698	7.05	1.097	0.776	0.914														
													QQSELQSQVR	1	1	1xTMT6plex [N-Term]	0.542	-	-	0.914227843	0	1431.775322	2	716.3901978	-1.538399324	30.74986964
													TGDTGMLPANYVEAI	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	1.219	-	1.211638331	0	1796.893782	3	599.6364746	0.60585558	83.23413175
													MGPSGGEGMEPERR	1	1	1xTMT6plex [N-Term]; 2xOxidation [M1; M9]	-	0.549	-	0.632447958	1	1750.804984	3	584.2728271	-0.603108111	19.89193038
													EPAAPVSIQR	1	1	1xTMT6plex [N-Term]	0.864	-	-	0.992160082	0	1296.747316	2	648.8770752	-0.341014297	45.00204681
													DSQDGSSYR	3	1	1xTMT6plex [N-Term]	1.024	1.125	1.289	1.661958694	0	1243.575225	2	622.2910156	-0.378087301	20.46184529
													YHEEFEK	1	1	2xTMT6plex [N-Term; K7]	1.379	-	-	1.55166471	0	1439.757101	3	480.5907288	0.369221514	38.31737695
													TQDQISNIK	2	1	2xTMT6plex [N-Term; K9]	-	0.799	0.795	1.100457549	0	1504.873528	2	752.9405518	0.198558629	46.07566839
4504963	LCN1	lipocalin-1 isoform 1 precursor	7.954545455	1	1	1	176	19.238	5.58	2.661	-	-														
													DPKNNLEALEDFEK	1	1	3xTMT6plex [N-Term; K3; K14]	2.661	-	-	0.895830274	1	2349.290502	3	783.769104	0.960529026	99.04010253
38455402	LCN2	neutrophil gelatinase-associated lipocalin precursor	10.60606061	1	1	1	198	22.574	8.91	-	1.433	-														
													SLGLPENHIVFPVPIDQCIDG	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.433	-	0.929691315	0	2549.327126	3	850.4466553	-0.671996807	97.39823159
167614506	LCP1	plastin-2	16.74641148	9	19	2	627	70.244	5.43	1.008	1.182	0.859														
													ISFDEFIK	1	1	2xTMT6plex [N-Term; K8]	-	1.182	-	1.000641942	0	1456.845188	2	728.9274292	1.643008095	91.77662876
													ISTSLPVLDLIDAIQPGSINYDLLK	2	1	2xTMT6plex [N-Term; K25]	1.008	-	0.859	1.598057151	0	3156.817188	3	1052.945923	1.909247298	110.6476327
													KIENCNYAVELGK	4	3	3xTMT6plex [N-Term; K1; K13]; 1xCarbamidomethyl	0.91	-	0.927	1.047693491	1	2225.2567	3	742.4240112	0.350679275	57.93101437
													LSPEELLLR	2	3	1xTMT6plex [N-Term]	-	1.061	1.068	1.28315866	0	1298.788118	2	649.8984375	1.139693211	85.71135201
													YAFVNWINK	4	2	2xTMT6plex [N-Term; K9]	0.799	0.802	0.821	1.655883074	0	1612.92517	2	806.9630127	-3.98099025	90.78352239
													VNKPPYPK	2	2	3xTMT6plex [N-Term; K3; K8]	0.849	-	0.9	1.42167151	0	1630.029524	3	544.0144653	-0.418166601	45.56933761
													ALENDPDCR	1	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.885	0.473903447	0	1318.62588	2	659.81604	-0.81678351	31.9405973
													MINLSVPDTIDER	3	2	1xTMT6plex [N-Term]	1.13	1.229	1.313	1.529257417	0	1731.914851	2	866.4620972	1.193110583	81.18116558
													IGLFADIELSR	2	2	1xTMT6plex [N-Term]	0.847	0.968	-	1.391961455	0	1462.846696	2	731.9255981	-1.897622591	94.04685232
260099723	LDHA	L-lactate dehydrogenase A chain isoform 3	48.7534626	15	78	14	361	39.812	8.43	1.877	1.84	2.043														
													RVHPVSTMIK	2	1	2xTMT6plex [N-Term; K10]	-	1.286	1.367	2.144177437	1	1625.992538	3	542.668335	-1.283036139	37.19959919
													RVHPVSTMIK	2	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M8]	1.555	1.546	-	1.502382278	1	1641.987453	3	548.0014648	1.454603838	32.91893644
													DDVFLSVPCILGQNGISDLVK	9	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	2.186	2.483	2.674	1.932851791	0	2747.505373	3	916.5064087	-0.254986137	102.188429
													GYTSWAIGLSVADLAESIMK	3	1	2xTMT6plex [N-Term; K20]	-	1.108	1.068	1.633308649	0	2570.394032	3	857.4707031	1.371106903	108.7704046
													SADTLWGIQK	4	1	2xTMT6plex [N-Term; K10]	2.091	1.956	-	1.6821872	0	1576.909914	3	526.3088379	1.297989097	74.78792931
													QVVESAYEVIK	7	1	2xTMT6plex [N-Term; K11]	2.011	1.894	2.069	2.119332314	0	1723.004208	2	862.006897	1.340388666	75.50422765

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VHPVSTMIK	2	1	2xTMT6plex [N-Term; K9]	1.408	1.485	-	0.410379052	0	1469.891427	3	490.6357422	0.847975896	49.07177519
													VHPVSTMIK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M7]	1.358	-	1.421	1.076557398	0	1485.886342	3	495.9663391	-1.263754813	43.44241117
													VTLTSEEEAR	1	1	1xTMT6plex [N-Term]	-	1.134	-	1.600327849	0	1363.72664	2	682.3666382	-0.469494981	43.90973739
													LIIVSNPVDILTYVAWK	10	1	2xTMT6plex [N-Term; K17]	1.578	1.76	1.716	1.748878121	0	2402.446326	3	801.4865723	-0.483670795	110.2314669
													GEMMDLQHGSLFLR	2	1	1xTMT6plex [N-Term]	1.7	1.773	-	1.260363221	0	1862.94544	3	621.6523438	-1.589955313	76.19235256
													GEMMDLQHGSLFLR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M]	1.509	1.658	-	0.94108963	0	1878.940355	3	626.9841309	-1.338877984	65.80552455
													DQLIYNLLK	3	1	2xTMT6plex [N-Term; K9]	1.519	1.523	-	2.105177402	0	1577.9667	2	789.4838867	-3.931263251	93.69260722
													TLHPDLGTDK	8	1	2xTMT6plex [N-Term; K10]	1.978	1.909	1.891	2.332633018	0	1554.889178	3	518.9686279	1.384271685	47.12691724
													DLADELALVDVIEDK	8	1	2xTMT6plex [N-Term; K15]	2.222	2.145	2.265	1.841591358	0	2116.178937	2	1058.59375	0.60785975	101.2730902
													DYNVTANSK	5	1	2xTMT6plex [N-Term; K9]	2.045	2.113	2.099	2.862157345	0	1469.800029	3	490.6051025	0.493636667	39.35542988
													FIIPNVVK	1	1	2xTMT6plex [N-Term; K8]	2.052	-	-	1.87782383	0	1387.907729	3	463.3047485	-5.790417017	90.8758584
													VIGSGCNLDSAR	11	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.261	1.226	1.386	1.431403875	0	1477.763043	2	739.3847656	-0.533218099	53.56915893
937827788	LDHB	L-lactate dehydrogenase B chain isoform LDHBx	43.1085044	13	83	12	341	37.381	6.25	1.443	1.422	1.404														
													VIGSGCNLDSAR	11	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.261	1.226	1.386	1.431403875	0	1477.763043	2	739.3847656	-0.533218099	53.56915893
													DYSVTANSK	13	1	2xTMT6plex [N-Term; K9]	1.337	1.467	1.47	1.893955827	0	1442.78913	3	481.6018677	1.330747026	39.33668506
													LKDDEVAQLK	4	1	3xTMT6plex [N-Term; K2; K10]	2.048	1.902	-	1.889603615	1	1846.125275	3	616.0471802	0.927470832	62.72936287
													IVVVTAGVR	1	1	1xTMT6plex [N-Term]	-	-	1.432	1.307604074	0	1142.74586	2	571.8755493	-1.782992404	58.99770029
													GEMMDLQHGSLFLQTPK	1	1	2xTMT6plex [N-Term; K17]	1.162	-	-	1.042366505	0	2390.261244	3	797.4223633	-3.642725779	84.47584244
													SLADELALVDVLEDK	14	1	2xTMT6plex [N-Term; K15]	1.577	1.596	1.586	1.865996122	0	2088.184022	2	1044.595825	0.168246966	101.1297619
													IHPVSTMVK	5	1	2xTMT6plex [N-Term; K9]	1.015	0.793	0.988	1.818238378	0	1469.891427	3	490.635498	0.34969292	55.732038
													IHPVSTMVK	4	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M7]	1.432	1.446	1.53	2.363416195	0	1485.886342	3	495.966156	-1.633444196	40.54605319
													DDEVAQLK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.038	1.280902386	0	1375.783316	2	688.395874	0.839715718	49.34358478
													MVVESAYEVIK	5	1	2xTMT6plex [N-Term; K11]	1.315	1.383	0.895	1.351719141	0	1725.986115	3	575.9997559	-0.811496606	79.74572184
													MVVESAYEVIK	4	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M1]	1.597	1.639	1.658	1.79011488	0	1741.98103	3	581.3321533	0.503306823	70.87728431
													GLTSVINQK	5	1	2xTMT6plex [N-Term; K9]	1.356	1.248	1.428	1.935838819	0	1417.877885	2	709.4415283	-1.484781868	57.80511492
													SADTLWDIQK	7	1	2xTMT6plex [N-Term; K10]	1.696	1.6	1.647	1.717951894	0	1634.915393	3	545.6430054	-0.568840885	74.80523702
													LIAPVAEEEATVPNNK	7	1	2xTMT6plex [N-Term; K16]	1.434	1.538	1.589	2.412765503	0	2153.221805	2	1077.113159	-1.283281926	72.28905645
													GMYGIENEVFLSLPCILNAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	2.327	-	1.820600748	0	2525.309367	3	842.4407959	-0.606961154	103.4035156
4504975	LDLR	low-density lipoprotein receptor isoform 1 precursor	20.34883721	14	34	14	860	95.314	5.05	1.212	1.116	1.121														
													CDGGPDCK	1	1	2xTMT6plex [N-Term; K8]; 2xCarbamidomethyl	-	1.07	-	1.249409676	0	1366.649542	2	683.8284302	0.030352743	26.14712066
													FTCACPDGMLLAR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.193	-	0.914691985	0	1740.843284	2	870.9251099	-0.195717467	72.90021492
													GVNWCER	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.288	1.404	-	1.689443231	0	1149.567244	2	575.2872925	0.056352456	40.23717434
													VFWTDIINEAIFSANR	2	1	1xTMT6plex [N-Term]	0.911	-	0.813	1.620542169	0	2125.127956	2	1063.067505	-0.104649875	104.370473
													CHSGECITLDK	4	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	1.119	1.154	1.093	1.217015147	0	1777.897711	3	593.303894	-0.327556017	43.29478824
													ECGTNECLDNNGGCSHVCNDLK	3	1	2xTMT6plex [N-Term; K22]; 4xCarbamidomethyl	-	1.384	1.329	1.459439993	0	3011.311595	3	1004.442322	0.271380761	44.23019755
													AIVVDPVHGFMYWTDWGTPAK	3	1	2xTMT6plex [N-Term; K21]	1.037	0.996	1.375	1.794568896	0	2848.489664	3	950.1671753	-0.944679957	99.02111691
													MICSTQLDR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.954	1.292167068	0	1352.686372	2	676.8467407	-0.123801563	51.9685022
													AHGVSSYDTVISR	6	1	1xTMT6plex [N-Term]	0.917	1.002	1.224	2.649394989	0	1620.8543	3	540.9555664	-1.328985122	40.26297035
													CQCEEGFQLDPHTK	3	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	1.264	1.348	1.354	1.550382972	0	2207.062545	3	736.3596191	0.797277757	51.65580383
													NEFQCQDGK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	0.814	0.923	1.57298708	0	1583.788812	2	792.397583	-0.582839308	38.4559602
													LHSISSIDVNGGNRK	1	1	2xTMT6plex [N-Term; K15]	1.308	-	-	1.0938586	1	2055.171107	4	514.5477905	-0.863480719	46.29262663
													SGDFSCGGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.493	1.158	-	1.272043586	0	1171.536337	2	586.272522	1.220641022	26.4276916
													DWSDEPIK	4	1	2xTMT6plex [N-Term; K8]	1.609	1.361	-	1.500437498	0	1447.783316	2	724.3952637	-0.045197544	63.56177677
4504981	LGALS1	galectin-1	71.85185185	8	83	8	135	14.706	5.5	0.552	0.554	0.6														
													VRGEVAPDAK	4	1	2xTMT6plex [N-Term; K10]	0.552	0.527	0.545	1.653721929	1	1499.894598	3	500.6367493	0.731139865	33.62595591
													DSNNLCLHFNPR	15	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.584	0.535	0.532	1.875214458	0	1715.848503	3	572.6217041	1.197981456	50.87438347
													SFVLNLGK	6	1	2xTMT6plex [N-Term; K8]	0.589	0.528	0.552	1.695086956	0	1335.840043	2	668.4243164	0.98283661	78.67598187
													LNLEAINYMAADGDFK	13	1	2xTMT6plex [N-Term; K16]	0.608	0.597	0.617	2.133273363	0	2243.178226	2	1122.093018	0.237594251	95.16681158
													LNLEAINYMAADGDFK	11	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M9]	0.46	0.418	0.597	1.937060595	0	2259.173141	3	753.7294922	0.346473002	89.06098267
													DGGAWGTEQR	4	1	1xTMT6plex [N-Term]	0.596	0.902	0.624	1.612857103	0	1305.638494	2	653.3228149	-0.107631008	31.15736947
													EAVFPFQPGSVAEVCITFDQANLTVK	13	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl	0.508	0.558	0.529	2.018600941	0	3325.754271	4	832.1938477	-0.21344782	101.0449128
													FNAHGDANTIVCNSK	13	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.594	0.58	0.807	2.275962353	0	2106.080243	3	702.697998	-0.380963345	49.08288436
													GEVAPDAK	4	1	2xTMT6plex [N-Term; K8]	-	0.54	0.526	1.194606423	0	1244.725073	2	622.8652344	-1.511144943	35.52592757
115430223	LGALS3	galectin-3 isoform 1	10	2	6	2	250	26.136	8.56	0.674	0.664	0.668														
													IQVLVEPDHFK	3	1	2xTMT6plex [N-Term; K11]	0.688	0.721	0.687	1.14418757	0	1783.051827	3	595.0223999	0.459721371	73.17607078
													VAVNDAHLLQYNHR	3	1	1xTMT6plex [N-Term]	0.644	0.595	0.616	1.673529506	0	1879.013595	4	470.5091553	0.63683081	51.78600402
5031863	LGALS3BP	galectin-3-binding protein precursor	35.21367521	17	77	17	585	65.289	5.27	0.791	0.81	0.763														
													ASHEEVEGLVEK	5	1	2xTMT6plex [N-Term; K12]	0.785	0.809	0.82	1.557310462	0	1784.97945	2	892.9927368	-0.701720789	47.30879513
													YSSDYFQAPSDYR	6	1	1xTMT6plex [N-Term]	1.137	1.256	0.752	1.761555195	0	1827.838709	2	914.4237061	0.780156021	64.08488534
													ELSEALGQIFDSQR	8	1	1xTMT6plex [N-Term]	0.857	0.795	0.753	2.090273619	0	1821.954408	2	911.4810791	0.259980778	92.71149306
													TLQALEFHTVPFQLLAR	6	1	1xTMT6plex [N-Term]	0.529	-	0.517	1.812713623	0	2213.264389	3	738.4265747	0.353076251	94.04771973
													STHTLDLSR	1	1	1xTMT6plex [N-Term]	1.084	-	-	1.059624672	0	1258.69528	3	420.236145	-1.11114376	33.15009142
													RIDITLSSVK	3	1	2xTMT6plex [N-Term; K10]	0.77	0.708	0.693	1.639980912	1	1589.999063	3	530.6719971	1.49372474	69.90342971
													SDLAVPSELALLK	6	1	2xTMT6plex [N-Term; K13]	0.747	0.741	0.72	1.576008677	0	1814.103922	2	907.555481	-0.130381691	93.44845399
													LADGGATNQGR	5	1	1xTMT6plex [N-Term]	0.815	0.841	0.85	1.280344248	0	1288.680693	2	644.8435669	-0.64854773	27.12611725
													STSSFPCPAGHFNGFR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.247	1.299	1.256	1.903286338	0	1997.948946	3	666.65271	-2.687299492	57.21959006
													AVDTWSWGER	2	1	1xTMT6plex [N-Term]	0.959	-	-	1.159330606	0	1435.716744	2	718.3616943	-0.440224806	63.61331606
													IYTSPTWSAFVTDSSWSAR	9	1	1xTMT6plex [N-Term]	0.623	0.612	0.714	2.017108917	0	2391.181841	3	797.7290039	-3.923989003	94.51026563
													SQLVYQSR	3	1	1xTMT6plex [N-Term]	0.551	0.622	-	1.216574907	0	1209.678902	2	605.3428955	-0.320510157	36.56691389
													TIAYENK	4	1	2xTMT6plex [N-Term; K7]	0.761	0.794	0.799	1.344892859	0	1296.756373	2	648.8826904	1.334891743	45.80014932
													IDITLSSVK	3	1	2xTMT6plex [N-Term; K9]	0.738	0.765	0.751	1.785287499	0	1433.897952	2	717.4525757	-0.05386214	80.35084402
													YYPYQSFQTPQHPSFLFQDK	5	1	2xTMT6plex [N-Term; K20]	0.716	0.513	1.047	1.804054379	0	2979.50815	3	993.8401489	-0.757421206	83.71441372

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													GQWGTVCDNLWDLTDASVVCR	6	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.902	1.007	1.048	1.943064213	0	2681.264936	3	894.4265747	0.087447939	95.4402358
													SGGSDRTIAYENK	1	1	2xTMT6plex [N-Term; K13]	-	0.465	-	2.30926013	1	1855.991411	3	619.3345337	-1.273376464	33.49313266
56682964	LGMN	legumain preproprotein	1.616628176	1	1	1	433	49.379	6.55	-	-	0.911														
													GDAEAVK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.911	1.766473293	0	1147.672309	2	574.3404541	1.152160869	32.13879578
7705373	LIMA1	LIM domain and actin-binding protein 1 isoform 2	22.66139657	14	30	14	759	85.173	6.84	0.66	0.727	0.699														
													SEISENTDASGK	4	1	2xTMT6plex [N-Term; K12]	0.538	0.628	0.645	1.55084312	0	1695.880129	2	848.4443359	0.746405939	35.58076008
													YQAAVSK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.307	0.813504577	0	1224.735244	2	612.8710327	-0.37157444	40.49032807
													LSETSIK	1	1	2xTMT6plex [N-Term; K7]	0.44	-	-	1.028704405	0	1235.761124	2	618.3844604	0.420824403	49.34671956
													QSSSTNYTNELK	1	1	2xTMT6plex [N-Term; K12]	-	0.501	-	1.401527405	0	1829.964528	2	915.4852295	-0.735192188	53.34513698
													ENVPPGPEVCITHQEGEK	2	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	-	0.542	0.529	1.196203589	0	2478.269894	3	826.7611084	-0.452866207	51.2120892
													ETPHSPGVEDAPIAK	4	1	2xTMT6plex [N-Term; K15]	1.067	1.077	0.994	2.046091557	0	2006.095876	3	669.3700562	-0.130109917	46.89070191
													IAWPPPTELGSSGSALEEGIK	5	1	2xTMT6plex [N-Term; K21]	0.74	0.697	0.706	1.777296185	0	2597.422689	3	866.4745483	-5.235035685	93.14348672
													ETCVECQK	2	1	2xTMT6plex [N-Term; K8]; 2xCarbamidomethyl	-	0.724	0.621	1.439724565	0	1511.759821	2	756.3834839	-0.085824852	43.07106984
													SQDVELWEGEVVK	2	1	2xTMT6plex [N-Term; K13]	1.345	1.195	-	1.635043621	0	1976.074078	3	659.3629761	0.150203203	78.60801221
													ELSVEEQIK	3	1	2xTMT6plex [N-Term; K9]	0.674	-	0.668	1.712001562	0	1532.893595	2	766.9483643	-2.702675769	57.75254088
													ASSLSESSPPK	1	1	2xTMT6plex [N-Term; K11]	-	0.519	-	1.674605846	0	1547.868108	3	516.6272583	-0.57283153	42.01012029
													QQSPQEPK	2	1	2xTMT6plex [N-Term; K8]	-	0.808	0.81	1.023335099	0	1399.79455	2	700.4002686	-0.920899874	28.81189022
													NENEEILERPAQLANAR	1	1	1xTMT6plex [N-Term]	-	-	0.806	1.05672121	0	2196.157024	3	732.7243652	0.691554888	58.34745149
													STPAEDDSRDSQVK	1	1	2xTMT6plex [N-Term; K14]	0.506	-	-	1.234403491	1	1993.023833	3	665.0134277	0.95159079	28.62108208
73390140	LIMK2	LIM domain kinase 2 isoform 1	2.915451895	1	1	1	686	77.835	7.05	-	1.709	-														
													ELLVDCYKPTEAFISGLLDK	1	1	3xTMT6plex [N-Term; K8; K20]; 1xCarbamidomethyl	-	1.709	-	1.40283668	0	2998.677807	3	1000.233032	2.246313249	99.82944861
5803023	LMAN2	vesicular integral-membrane protein VIP36 precursor	8.707865169	3	5	3	356	40.203	6.95	0.422	0.46	0.629														
													LVPGPVFGSK	2	1	2xTMT6plex [N-Term; K10]	0.422	0.447	-	0.961145282	0	1458.908457	3	486.9746704	0.686013207	79.87215923
													WTELAGCTADFR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.913	0.992286026	0	1655.804907	2	828.4092407	3.8032532	75.74241057
													NCIDITGVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.523	0.528	1.152560115	0	1276.688087	2	638.8477173	0.055675551	50.2256778
27436946	LMNA	lamin isoform A	37.5	24	53	23	664	74.095	7.02	1.018	0.841	1.036														
													TVLCGTCGQPADK	2	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	-	0.652	0.64	1.500971317	0	1864.966125	3	622.324585	-3.712387638	48.45770619
													EDLQELNDR	1	1	1xTMT6plex [N-Term]	1.433	-	-	1.510757923	0	1360.690589	2	680.8485107	-0.620270054	43.61495948
													ITESEEVVSR	3	1	1xTMT6plex [N-Term]	1.217	1.32	1.379	1.683469415	0	1377.74229	2	689.3743286	-0.660111433	44.09510725
													SLETENAGLR	2	1	1xTMT6plex [N-Term]	-	1.302	1.308	1.166341305	0	1318.71641	2	659.8616943	-0.225725655	49.48974687
													AAYEAELGDAR	2	1	1xTMT6plex [N-Term]	0.927	-	0.948	1.782948494	0	1394.711324	2	697.8589478	-0.505790822	47.16188723
													ASSHSSQTQGGGSVTK	4	1	2xTMT6plex [N-Term; K16]	0.296	0.26	0.251	1.516994596	0	1977.040152	3	659.6852417	0.515739478	22.48995146
													AQHEDQVEQYK	2	1	2xTMT6plex [N-Term; K11]	-	0.89	0.914	1.562595844	0	1832.954297	2	916.9802246	-0.613682104	33.39448126
													VAVEEVDEEGK	5	1	2xTMT6plex [N-Term; K11]	0.873	0.821	0.834	1.400122285	0	1661.899802	2	831.4549561	1.704789525	51.77635076
													LRDLEDSLAR	1	1	1xTMT6plex [N-Term]	0.91	-	-	1.877196074	1	1416.800808	3	472.9389954	1.146818928	55.81027114
													EGDLIAAQAR	1	1	1xTMT6plex [N-Term]	-	-	1.355	1.407958388	0	1272.71093	2	636.8587646	-0.532550722	43.82633012
													AQNTWGCGNSLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.487	-	1.941918731	0	1592.78009	2	796.8922119	-1.847349734	41.14823455
													IRIDSLSAQLSQLQK	2	1	2xTMT6plex [N-Term; K15]	0.984	0.879	-	1.872135639	1	2158.295973	3	720.104187	0.94280172	86.91206402
													RTLEGELHDLR	2	1	1xTMT6plex [N-Term]	-	2.04	2.105	1.091739178	1	1567.87537	4	392.7250061	1.801574358	44.26886674
													DLEALLNSK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.029	1.158265948	0	1460.872465	2	730.9395752	-0.405045197	82.92422291
													NSNLVGAAHEELQQSR	5	1	1xTMT6plex [N-Term]	0.863	0.963	0.962	2.75800395	0	1982.025281	3	661.3461914	-0.635905738	46.3862643
													EAALSTALSEK	2	1	2xTMT6plex [N-Term; K11]	1.177	-	1.272	1.458901048	0	1577.915058	3	526.6427612	-0.841654046	64.27732019
													IDSLSAQLSQLQK	4	1	2xTMT6plex [N-Term; K13]	0.756	0.799	0.747	1.369746447	0	1889.110798	3	630.3751221	0.007893099	85.99082602
													EELDFQK	1	1	2xTMT6plex [N-Term; K7]	1.425	-	-	1.763957977	0	1366.761852	2	683.8839111	-0.956146363	56.29459006
													LEAALGEAK	4	1	2xTMT6plex [N-Term; K9]	1.231	1.164	1.381	2.025762558	0	1359.824787	3	453.9465027	0.123344303	62.93506661
													NIYSEELR	1	1	1xTMT6plex [N-Term]	-	-	1.243	0.815148294	0	1252.673482	2	626.8408813	0.801274496	51.59808299
													MQQQLDEYQELLDIK	3	1	2xTMT6plex [N-Term; K15]	-	0.846	0.859	1.36966908	0	2352.252119	3	784.7556763	0.15170933	94.235061
													LVEIDNGK	2	1	2xTMT6plex [N-Term; K8]	-	0.96	0.997	1.784858704	0	1345.809137	2	673.4080811	-0.186899181	57.69231544
													LADALQELR	1	1	1xTMT6plex [N-Term]	-	0.795	-	0.776462018	0	1257.736417	2	629.3712158	-1.003333733	76.29851007
													LLEGEEER	1	3	1xTMT6plex [N-Term]	-	0.97	-	0.66359359	0	1203.641848	2	602.3240967	-0.77357781	43.34389028
5031877	LMNB1	lamin-B1 isoform 1	10.92150171	6	11	5	586	66.368	5.16	1.054	1.355	0.726														
													DAALATALGDK	2	1	2xTMT6plex [N-Term; K11]	1.101	0.771	-	1.521011591	0	1503.878279	2	752.4401855	-3.447517211	66.15618024
													ALYETELADAR	1	1	1xTMT6plex [N-Term]	1.058	-	-	0.589485347	0	1480.784489	2	740.8952637	-0.83637846	57.25141418
													DQIAQLEASLAAAK	1	1	2xTMT6plex [N-Term; K14]	-	1.408	-	1.1859833	0	1887.095148	3	629.7026367	-0.949122121	90.95133246
													NSQGEEVAQR	5	1	1xTMT6plex [N-Term]	0.988	0.951	0.726	1.255795836	0	1346.686172	2	673.8469238	0.296161242	21.56582052
													IQELEDLLAK	1	1	2xTMT6plex [N-Term; K10]	-	1.683	-	0.998013437	0	1629.982744	3	544.0001831	1.995067996	97.88815896
													LLEGEEER	1	3	1xTMT6plex [N-Term]	-	0.97	-	0.66359359	0	1203.641848	2	602.3240967	-0.77357781	43.34389028
388240801	LMNB2	lamin-B2	2.741935484	2	2	1	620	69.906	5.59	3.249	-	-														
													AEDGHAVAK	1	1	2xTMT6plex [N-Term; K9]	3.249	-	-	1.480410099	0	1355.768335	3	452.5939331	-0.803067579	27.67275737
													LLEGEEER	1	3	1xTMT6plex [N-Term]	-	0.97	-	0.66359359	0	1203.641848	2	602.3240967	-0.77357781	43.34389028
767925406	LOC100506944	uncharacterized protein LOC100506944 isoform X6	1.634877384	1	1	1	734	81.747	9.99	-	-	5.525														
													HQNTPSIGLHWR	1	1	1xTMT6plex [N-Term]	-	-	5.525	1.120916843	0	1674.902588	3	558.9727173	0.603548813	89.7964676
530432835	LOC100996747	40S ribosomal protein S26	6.666666667	1	3	1	135	15.098	11.14	1.101	1.111	1.187														
													NIVEAAAVR	3	1	1xTMT6plex [N-Term]	1.101	1.111	1.187	2.017075539	0	1171.699638	2	586.3544312	1.662640002	49.17459001
768041374	LOC102723407	putative V-set and immunoglobulin domain-containing-like protein	4.147465438	1	3	1	217	23.824	8.94	0.687	0.777	0.81														
													VTISVDTSK	3	1	2xTMT6plex [N-Term; K9]	0.687	0.777	0.81	0.964861035	0	1407.845916	2	704.4255371	-1.504995131	55.41249036
767900757	LOC102724023	ES1 protein homolog, mitochondrial isoform X1	5.597014925	1	1	1	268	28.125	8.27	1.076	-	-														
													GVEVTVGHEQEEGGK	1	1	2xTMT6plex [N-Term; K15]	1.076	-	-	1.009914398	0	2013.065304	3	671.6939697	1.019142143	42.02389399
767890965	LOC102725241	putative neutral ceramidase C	3.180212014	1	1	1	566	61.151	8.32	-	0.67	-														
													AIATGEVAEVIFVGANPK	1	1	2xTMT6plex [N-Term; K18]	-	0.67	-	1.519408941	0	2244.30039	3	748.7717285	0.108139212	104.8482386
767886566	LOC105378105	uncharacterized protein LOC105378105 isoform X1	6.696428571	1	1	1	224	24.557	10.45	-	0.816	-														
													SPQKPEAGGIPWWER	1	1	2xTMT6plex [N-Term; K4]	-	0.816	-	0.860544086	0	2196.196593	3	732.7366943	-0.484274582	89.96664487

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
4505011	LOXL2	lysyl oxidase homolog 2 precursor	16.40826873	11	26	11	774	86.668	6.38	0.706	0.764	0.865														
													ELGYVEAK	1	1	2xTMT6plex [N-Term; K8]	0.609	-	-	1.543308139	0	1366.798238	2	683.9031982	0.645211817	53.60613924
													ELGFGSAK	2	1	2xTMT6plex [N-Term; K8]	-	0.79	0.863	1.189254999	0	1266.745809	2	633.8776245	1.708198616	53.80985368
													FNAESQGCNHEEDAGVR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.828	0.796	1.107	1.302521944	0	2148.95661	3	716.9906006	0.297278135	32.00864937
													SWTASSSYGK	1	1	2xTMT6plex [N-Term; K10]	-	0.62	-	1.472574234	0	1531.815679	2	766.4111328	-0.450364237	49.61037045
													NGEWGTVCDDK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.707	0.627	0.798	2.165698767	0	1738.847056	2	869.9237671	-3.909487203	51.29650404
													WDLVSASVVCR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.136	1.097	-	1.264218807	0	1520.809265	2	760.9077759	-0.650582693	80.72799136
													GGAYIGEGR	2	1	1xTMT6plex [N-Term]	-	0.753	0.802	1.702924252	0	1108.594838	2	554.8010254	-0.057747653	33.29099419
													HTEDVGVVCSDK	4	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	0.89	0.81	1.134162307	0	1803.931119	3	601.9821167	0.375489756	46.37353734
													TPVMEGYVEVK	3	1	2xTMT6plex [N-Term; K11]	-	0.73	0.808	1.253794312	0	1709.954815	3	570.656311	-0.254383641	69.29543039
													CNTPAMGLQK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M6];	-	0.654	-	0.939014673	0	1593.849305	2	797.4268188	-1.846858846	40.42416111
													FDNSLINQIENLNIQVEDIR	1	1	1xTMT6plex [N-Term]	-	0.568	-	1.603062749	0	2616.38306	3	872.7989502	-0.291591118	100.381945
4505021	LRPAP1	alpha-2-macroglobulin receptor-associated protein precursor	2.240896359	1	1	1	357	41.441	8.78	1.049	-	-														
													HLQDLSGR	1	1	1xTMT6plex [N-Term]	1.049	-	-	1.195596099	0	1154.647936	3	385.5549316	1.9965496	29.51640365
291190781	LRRC16A	leucine-rich repeat-containing protein 16A isoform 1	0.948212983	1	1	1	1371	151.462	7.85	-	2.303	-														
													ERDGQSSPQPSPR	1	1	1xTMT6plex [N-Term]	-	2.303	-	1.103310823	1	1669.845526	3	557.2860718	-1.116359531	19.41980974
24308207	LRRC47	leucine-rich repeat-containing protein 47	2.229845626	1	1	1	583	63.434	8.28	0.87	-	-														
													ELSPDIAHLASLK	1	1	2xTMT6plex [N-Term; K13]	0.87	-	-	1.008754849	0	1852.09442	3	618.0349121	-2.287508579	79.42469708
40254924	LRRC59	leucine-rich repeat-containing protein 59	28.01302932	7	12	7	307	34.909	9.57	0.668	0.911	0.738														
													LVTLPVSFAQLK	2	1	2xTMT6plex [N-Term; K12]	0.49	-	0.518	1.96133256	0	1774.124263	3	592.0470581	1.328907143	98.61838778
													LDGNELDLSLSDLNEVPVK	2	1	2xTMT6plex [N-Term; K19]	0.947	-	1.019	1.551614404	0	2528.385969	3	843.4657593	-1.283387113	95.90371638
													ELAALPK	2	1	2xTMT6plex [N-Term; K7]	0.738	-	0.758	1.511723757	0	1199.77638	2	600.3921509	0.537348312	58.80919764
													LTTLPSDFCGLTHLVK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.684	0.873	-	1.220749855	0	2260.277546	3	754.0968628	-0.668449366	93.75816883
													DNPLDPVLAK	2	1	2xTMT6plex [N-Term; K10]	0.826	-	0.825	2.12601161	0	1539.914665	3	513.9769897	1.137302165	75.81699122
													LVNLQHLDLLNNK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.627	1.933009744	0	1992.200616	3	664.7388916	0.755664201	88.76962751
													VAGDCLDEK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	0.983	-	1.605015397	0	1464.776851	2	732.8918457	-0.29770661	49.03701845
212276096	LRRFIP1	leucine-rich repeat flightless-interacting protein 1 isoform 3	18.81188119	13	31	12	808	89.199	4.65	0.863	0.88	0.858														
													AMVSNAQLDNEK	2	2	2xTMT6plex [N-Term; K12]; 1xOxidation [M2]	-	0.681	0.681	2.244210958	0	1793.94677	3	598.656189	4.038026464	44.34653792
													DSLAEVEEK	2	1	2xTMT6plex [N-Term; K9]	-	0.995	1.024	1.5076226	0	1477.81501	2	739.4107666	-0.509912858	52.25856934
													CEMSEHPSQTVR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M3];	-	0.514	0.519	1.11000526	0	1705.78352	3	569.2661133	0.156088828	19.90438056
													SAVEAQNEVTENPK	1	1	2xTMT6plex [N-Term; K14]	0.545	-	-	1.674214721	0	1974.054405	2	987.5316772	0.847277655	43.3040865
													SDQQGEALDSSQK	2	1	2xTMT6plex [N-Term; K13]	0.82	-	0.774	1.290950418	0	1850.949606	3	617.6555786	1.392085358	35.17374934
													IDGATQSSPAEPK	3	1	2xTMT6plex [N-Term; K13]	0.795	0.927	-	1.274250031	0	1758.9638	3	586.9919434	-1.434186352	52.53861346
													AGGEELDEGVAK	3	1	2xTMT6plex [N-Term; K12]	1.04	0.968	1.024	1.328434706	0	1632.884487	2	816.946167	0.349537508	55.20479684
													ELTYQNTDLSEIK	2	1	2xTMT6plex [N-Term; K13]	0.78	-	0.879	1.39814198	0	2012.095207	3	671.37146	2.295692965	68.48460202
													EQHTEDTVK	5	1	2xTMT6plex [N-Term; K9]	0.873	0.918	0.949	1.909009457	0	1544.832057	3	515.616333	1.546189715	25.77083578
													IAAESSENVDCPENPK	4	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.014	0.956	1.013	1.680466413	0	2218.106183	3	740.0410767	1.124229529	48.8959714
													EFTNQEAAEPK	2	1	2xTMT6plex [N-Term; K11]	0.715	-	0.834	1.056853056	0	1721.911036	2	861.4592896	0.154933418	46.73022686
													NEIVANVGK	2	1	2xTMT6plex [N-Term; K9]	0.902	-	0.71	1.587024689	0	1401.846585	2	701.4258423	-1.553086986	53.27767168
													SPVPVETLK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.003	0.973569095	0	1427.887387	2	714.4466553	-0.947829035	61.49479665
5453726	LRRFIP2	leucine-rich repeat flightless-interacting protein 2 isoform 1	2.496532594	2	3	1	721	82.121	6.95	-	1.114	-														
													AMVSNAQLDNEK	2	2	2xTMT6plex [N-Term; K12]; 1xOxidation [M2]	-	0.681	0.681	2.244210958	0	1793.94677	3	598.656189	4.038026464	44.34653792
													VEDELK	1	1	2xTMT6plex [N-Term; K6]	-	1.114	-	1.187790155	0	1190.703275	2	595.8557739	0.836649721	48.7464462
22748747	LSM12	protein LSM12 homolog	4.615384615	1	1	1	195	21.687	7.74	1.069	-	-														
													EGSALSHVR	1	1	1xTMT6plex [N-Term]	1.069	-	-	1.323105097	0	1184.658501	3	395.5571899	-1.253057974	27.67731064
10863977	LSM2	U6 snRNA-associated Sm-like protein LSm2	51.57894737	3	5	3	95	10.828	6.52	0.864	0.731	1.081														
													NDLSICGTLHSVDQYLNIK	1	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.762	-	-	0.96778971	0	2648.411807	3	883.4768066	1.532715518	93.12988527
													YVQLPADEVDTQLLQDAAR	3	1	1xTMT6plex [N-Term]	0.987	0.997	1.081	2.495233536	0	2374.24517	3	792.0841675	-3.041269152	90.41831977
													LTDISVTDPEK	1	1	2xTMT6plex [N-Term; K11]	-	0.598	-	1.792452693	0	1675.951838	3	559.3226318	0.897625921	72.08972347
7657315	LSM3	U6 snRNA-associated Sm-like protein LSm3	11.76470588	1	5	1	102	11.838	4.7	0.91	0.846	0.843														
													GDGVVLVAPPLR	5	1	1xTMT6plex [N-Term]	0.91	0.846	0.843	2.081132889	0	1421.867765	2	711.4387207	1.687467927	75.7876434
6912486	LSM4	U6 snRNA-associated Sm-like protein LSm4 isoform 1	4.316546763	1	1	1	139	15.34	9.99	-	0.909	-														
													EEVVAK	1	1	2xTMT6plex [N-Term; K6]	-	0.909	-	1.820281148	0	1132.697796	2	566.852478	-0.1027064	41.17678524
6912488	LSM5	U6 snRNA-associated Sm-like protein LSm5 isoform a	6.593406593	1	2	1	91	9.931	4.54	-	0.88	0.943														
													IHIVMK	2	1	2xTMT6plex [N-Term; K6]	-	0.88	0.943	1.18956399	0	1198.774606	3	400.2634277	0.937276381	53.22635489
7706425	LSM8	LSM8 homolog, U6 small nuclear RNA associated	36.45833333	3	5	3	96	10.396	4.48	0.865	0.949	0.889														
													TVAVITSDGR	2	1	1xTMT6plex [N-Term]	0.791	0.878	-	1.380632281	0	1247.715681	2	624.3614502	-0.046260038	53.71718252
													AEPLNSVAH	1	1	1xTMT6plex [N-Term]	0.958	-	-	1.234342217	0	1166.636703	2	583.8215942	-0.678106077	39.31029503
													GFDQTINLILDESHER	2	1	1xTMT6plex [N-Term]	-	1.069	0.889	0.914427698	0	2116.087213	3	706.0345459	0.884460386	90.74807335
45545424	LSR	lipolysis-stimulated lipoprotein receptor isoform 2	1.694915254	1	2	1	649	71.394	7.97	-	1.045	1.015														
													DTDSSVASEVR	2	1	1xTMT6plex [N-Term]	-	1.045	1.015	1.754709959	0	1394.696068	2	697.8504639	-1.732998092	32.97660358
4505029	LTA4H	leukotriene A-4 hydrolase isoform 1	34.04255319	17	38	17	611	69.241	6.18	1.203	1.373	1.19														
													AILPCQDTPSVK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.363	1.337	-	1.140334606	0	1787.013727	2	894.0113525	0.952146086	59.56963606
													LTYTAEVSVPK	2	1	2xTMT6plex [N-Term; K11]	1.111	1.473	-	1.402345777	0	1665.982744	2	833.4959106	1.080760932	69.02385189
													DLSSHQLNEFLAQTLQR	3	1	1xTMT6plex [N-Term]	1.265	1.214	1.216	1.370021343	0	2229.18251	3	743.732605	0.337124216	87.01523898
													EHPYLFSQCQAIHCR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.318	-	1.567	1.254086852	0	2175.042529	4	544.5161133	0.043431335	44.66617386
													TFGETHPFTK	2	1	2xTMT6plex [N-Term; K10]	1.458	1.464	-	1.789148688	0	1622.894264	3	541.6357422	-0.979877455	48.67283396
													VVINGQEVK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.322	0.945729792	0	1443.893535	2	722.4509888	0.807261085	53.35020953
													GSPMEISLPIALSK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M4]	1.339	1.552	-	0.992904425	0	1917.113107	3	639.7088623	-0.559698817	90.27958412
													EDDLNSFNATDLK	2	1	2xTMT6plex [N-Term; K13]	1.347	1.417	-	1.301909208	0	1940.001307	3	647.3372803	-2.071931433	69.72610654
													SSALQWLTPEQTSGK	4	1	2xTMT6plex [N-Term; K15]	1.211	1.393	-	1.884774208	0	2091.14864	3	697.7188721	-3.145194434	79.10916766
													DLTIEK	1	1	2xTMT6plex [N-Term; K6]	-	-	1.38	1.208482504	0	1176.72401	2	588.8662109	0.964342522	55.63774601

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													TLVWSEK	1	1	2xTMT6plex [N-Term; K7]	-	1.2	-	1.748733997	0	1320.792759	2	660.8980713	-2.947299529	63.830045
													LVVDLTDIDPPDVAYSSVPYEK	2	1	2xTMT6plex [N-Term; K21]	-	1.618	1.561	1.900205731	0	2796.495914	3	932.8360596	-0.818273701	98.59499055
													HFNALGGWGELQNSVK	2	1	2xTMT6plex [N-Term; K16]	1.198	-	1.221	1.684788346	0	2215.202407	3	739.0695801	-3.710706344	74.18576154
													APLPLGHIK	8	1	2xTMT6plex [N-Term; K9]	0.96	1.175	1.011	2.19620347	0	1403.913877	3	468.6433105	1.069489126	58.72802666
													WEDAIPLALK	1	1	2xTMT6plex [N-Term; K10]	-	1.539	-	1.063034892	0	1613.9667	2	807.4876099	0.770081912	94.6753797
													DLAAFDK	2	1	2xTMT6plex [N-Term; K7]	1.287	-	1.326	1.660029531	0	1237.719259	2	619.362915	-0.570405502	62.20173456
													MQEVYNFNAINNSEIR	1	1	1xTMT6plex [N-Term]	1.225	-	-	1.22129488	0	2171.075268	3	724.3618164	-2.013753882	75.56885444
4557733	LTBP2	latent-transforming growth factor beta-binding protein 2 precursor	2.306425041	3	4	3	1821	194.923	5.19	1.044	1.033	0.703														
													GCQDVDECASR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.044	1.033	-	1.139078379	0	1525.657257	2	763.3310547	-1.589095446	24.70236797
													GHCQDINECR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	0.732	1.778921604	0	1517.678661	3	506.5646973	0.577972727	20.29943925
													GAGGQSMSEAPTGDHAPAPTR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	-	-	0.679	0.865397513	0	2240.056324	3	747.3577881	1.110355033	27.05511817
110347431	LTBP4	latent-transforming growth factor beta-binding protein 4 isoform a precursor	0.492610837	1	2	1	1624	173.32	5.43	-	1.494	0.932														
													CSCAPGYR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.494	0.932	0.920853198	0	1199.549879	2	600.2788696	0.48635561	26.5556085
54607120	LTF	lactotransferrin isoform 1 precursor	1.267605634	1	2	1	710	78.132	8.12	-	-	1.797														
													YYGYTGAFR	2	1	1xTMT6plex [N-Term]	-	-	1.797	0.862202227	0	1326.668003	2	663.8381348	0.746103206	53.74792739
224591430	LYAR	cell growth-regulating nucleolar protein	2.374670185	1	3	1	379	43.607	9.57	0.407	0.468	0.449														
													DSASEEEAR	3	1	1xTMT6plex [N-Term]	0.407	0.468	0.449	1.960398078	0	1222.57489	2	611.7908325	-0.410625919	18.58567574
93004088	LYPD3	ly6/PLAUR domain-containing protein 3 precursor	9.537572254	3	6	3	346	35.948	7.75	1.308	1.751	1.538														
													ADDGCSPNK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.308	-	1.341	1.707026839	0	1421.7095	2	711.3581543	-0.328911251	25.78234164
													GCVQDEFCTR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	1.447	1.425647855	0	1500.677264	2	750.8433838	1.483702178	42.17860235
													QGVEHEASRDEEPR	3	1	1xTMT6plex [N-Term]	-	1.751	1.83	1.35054791	1	1867.909583	4	467.7326355	-0.466199125	24.27043595
5453722	LYPLA1	acyl-protein thioesterase 1 isoform 1	6.52173913	2	2	2	230	24.653	6.77	-	1.457	1.373														
													QAAENIK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.373	1.478065014	0	1231.741058	2	616.3744507	0.460508468	33.88837624
													ALIDQEVK	1	1	2xTMT6plex [N-Term; K8]	-	1.457	-	1.474377275	0	1373.840437	2	687.4232178	-0.930394164	58.67911204
190194368	LYRM1	LYR motif-containing protein 1	7.37704918	1	1	1	122	14.273	9.94	0.712	-	-														
													NLTDTDLIK	1	1	2xTMT6plex [N-Term; K9]	0.712	-	-	1.135063767	0	1490.88303	3	497.6318359	-1.392186683	69.94942279
4557894	LYZ	lysozyme C precursor	6.081081081	1	1	1	148	16.526	9.16	-	1.234	-														
													ATNYNAGDR	1	1	1xTMT6plex [N-Term]	-	1.234	-	0.980661929	0	1210.60138	2	605.8047485	0.69420895	22.14620389
948284416	LZIC	protein LZIC isoform b	23.69668246	4	5	4	211	23.91	5.11	-	1.138	1.327														
													VSTDLGSGDK	1	1	2xTMT6plex [N-Term; K10]	-	1.068	-	1.303714991	0	1436.799694	2	718.9037476	0.364732251	45.98623911
													LTADDEAFLSANAGAILSQFEK	2	1	2xTMT6plex [N-Term; K22]	-	1.188	1.327	1.462447524	0	2769.471096	3	923.8293457	0.862204115	101.6626675
													VEILTALRK	1	1	2xTMT6plex [N-Term; K9]	-	1.114	-	0.837041438	1	1500.98777	3	501.0015259	1.501902123	73.93296779
													QNLEEQLDR	1	1	1xTMT6plex [N-Term]	-	1.472	-	1.373784661	0	1373.722223	2	687.3648071	0.083195722	44.71823066
33188445	MACF1	microtubule-actin cross-linking factor 1	0.368324125	2	2	2	5430	620.034	5.38	-	-	1.448														
													LELLLQIANK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.669	1.195566654	0	1613.040199	3	538.3518677	0.527133387	101.1185658
													QLEDILVLAK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.199	1.871801257	0	1600.008565	3	534.0077515	0.085089877	95.78679184
4505067	MAD2L1	mitotic spindle assembly checkpoint protein MAD2A	3.902439024	1	1	1	205	23.495	5.08	-	1.991	-														
													SFTTTIHK	1	1	2xTMT6plex [N-Term; K8]	-	1.991	-	0.876530647	0	1392.825121	3	464.9462891	-0.579765893	49.36832867
8922331	MAGOHB	protein mago nashi homolog 2 isoform 1	16.89189189	2	7	2	148	17.265	6.39	1.148	1.241	1.334														
													FGHEFLEFEFRPDGK	2	1	2xTMT6plex [N-Term; K15]	-	1.407	1.469	1.371782303	0	2313.206824	4	579.0548096	-4.070197552	82.3612681
													VFYYLVQDLK	5	1	2xTMT6plex [N-Term; K10]	1.148	1.139	1.148	2.163408041	0	1746.024215	2	873.5154419	-0.34815722	100.4932878
24497519	MAN1A1	mannosyl-oligosaccharide 1,2-alpha-mannosidase IA	2.603369066	1	1	1	653	72.922	6.47	1.556	-	-														
													GATIVDALDTLFIMEMK	1	1	2xTMT6plex [N-Term; K17]	1.556	-	-	1.796174645	0	2326.280248	3	776.0978394	-0.551508613	110.6606518
618857509	MANF	mesencephalic astrocyte-derived neurotrophic factor precursor	31.89189189	5	16	5	185	21.13	8.92	0.867	0.867	0.719														
													LCYYIGATDDAATK	4	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.658	0.69	0.651	1.437053323	0	2020.046149	3	674.019165	-1.587737396	72.2037363
													DRDVTFSPATIENELIK	3	1	2xTMT6plex [N-Term; K17]	0.915	-	0.68	1.627023458	1	2406.328061	3	802.7831421	2.830968745	88.70855849
													ILDDWGETCK	4	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.919	0.879	0.816	2.428934336	0	1694.882378	3	565.6322632	-0.083887366	75.31129673
													QIDLSTVDLK	4	1	2xTMT6plex [N-Term; K10]	0.892	0.912	-	1.799994707	0	1589.951444	3	530.6553345	0.003866765	78.31042084
													DSQICELK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.688	-	1.190812111	0	1450.797586	2	725.9031372	0.972895238	50.11695914
153945728	MAP1B	microtubule-associated protein 1B	3.363047002	7	13	7	2468	270.468	4.81	0.758	0.568	0.589														
													EETPEVTK	1	1	2xTMT6plex [N-Term; K8]	0.786	-	-	1.179124355	0	1390.782982	2	695.8952026	0.105597667	41.24917461
													VLFPGNSTQYNILEGLEK	3	1	2xTMT6plex [N-Term; K18]	0.83	0.633	0.828	1.455650449	0	2480.380096	3	827.4641113	-0.933576926	98.3220544
													NLISPDLGVVFLNVPENLK	2	1	2xTMT6plex [N-Term; K19]	0.521	-	0.578	1.595220804	0	2539.489981	3	847.166626	-1.833624211	102.2577212
													SVGNTIDPVILFQK	2	1	2xTMT6plex [N-Term; K14]	-	0.902	0.789	1.143728495	0	1989.178484	3	663.7316895	1.021235345	94.84031771
													TATAGPGTTK	2	1	2xTMT6plex [N-Term; K10]	-	0.503	0.609	2.346855402	0	1362.799301	2	681.9019165	-2.01365101	31.06241632
													AEEVDVTK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.734	0.986846447	0	1348.772417	2	674.8917847	2.873417256	44.95877183
													HLDFLK	2	1	2xTMT6plex [N-Term; K6]	-	0.56	0.527	1.618828177	0	1230.761065	3	410.9257507	1.327794088	61.98354075
55956904	MAP3K4	mitogen-activated protein kinase kinase kinase 4 isoform a	0.497512438	1	1	1	1608	181.551	6.3	-	-	4.706														
													GGEAQAGK	1	1	2xTMT6plex [N-Term; K8]	-	-	4.706	1.338489532	0	1175.678457	2	588.3428955	0.048580991	25.85415666
47519639	MAP4	microtubule-associated protein 4 isoform 1	26.82291667	24	44	24	1152	120.93	5.43	0.615	0.461	0.483														
													EAQTLDSQIQETSI	1	1	1xTMT6plex [N-Term]	-	-	0.731	1.754546881	0	1791.917354	3	597.977417	0.192015866	70.51644302
													TTDMAPSK	1	1	2xTMT6plex [N-Term; K8]	1.488	-	-	0.975345612	0	1308.723359	2	654.864563	-1.15314931	39.01970132
													DGVLTLANNVTPAK	5	1	2xTMT6plex [N-Term; K14]	0.574	0.612	0.583	1.756592512	0	1871.100233	3	624.3722534	1.054787911	73.64975922
													MDLAPSK	1	1	2xTMT6plex [N-Term; K7]	1.149	-	-	1.325320005	0	1219.712066	2	610.359314	-0.585638474	52.8356579
													NVCLPPEMEVALTEDQVPALK	1	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M8];	-	0.396	-	0.86956197	0	2827.498574	3	943.1705322	-0.541252373	90.58607951
													DVTLLK	1	1	2xTMT6plex [N-Term; K6]	-	0.748	-	1.319453359	0	1146.749831	2	573.8791504	1.040166929	62.99673343
													DMEIAQTQK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M2]	0.39	0.38	-	1.102609634	0	1537.829615	2	769.418396	-0.064628624	45.7380222
													SVPADLSRPK	1	1	2xTMT6plex [N-Term; K10]	0.27	-	-	0.843118012	0	1527.925898	3	509.9801941	0.085727581	44.5981256
													TTTLSGTAPAAGVVPSR	1	1	1xTMT6plex [N-Term]	0.627	-	-	0.905570388	0	1815.017343	2	908.012146	-0.180245006	52.2036458
													VGSLDNVGHLPAGGAVK	2	1	2xTMT6plex [N-Term; K17]	0.572	-	0.693	1.191519976	0	2049.185694	3	683.7332153	-0.293552658	63.80131184
													TAGPIASAQK	3	1	2xTMT6plex [N-Term; K10]	0.244	0.22	-	1.56436336	0	1401.846585	3	467.953186	-1.127287785	43.30284217
													NVVLPTETEVAPAK	2	1	2xTMT6plex [N-Term; K14]	0.885	0.739	-	1.031993032	0	1926.131199	3	642.7146606	-0.919177472	70.28851832

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DVPPLSETEATPVPIK	1	1	2xTMT6plex [N-Term; K16]	1.397	-	-	1.648947001	0	2151.231307	3	717.7483521	-0.373780194	79.47439755
													STQTVAK	4	1	2xTMT6plex [N-Term; K7]	-	0.22	0.331	1.917587757	0	1192.730158	2	596.868103	-1.030455467	30.51736275
													ETEMALAK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M4]	0.35	-	-	0.858554184	0	1366.765224	2	683.8851929	-1.547133169	40.21293096
													KPCNSQPSELSSETSGIARPEEGRPVVSGTGNDITTPPNK	1	1	3xTMT6plex [N-Term; K1; K40]; 1xCarbamidomethyl	0.796	-	-	1.443029284	0	4881.525563	5	977.1109009	-0.033783592	54.7764638
													LDVTLAK	1	1	2xTMT6plex [N-Term; K7]	0.727	-	-	1.498706818	0	1217.786945	2	609.3961792	-1.530088305	67.03162166
													HVPGGGNVQIQNK	3	1	2xTMT6plex [N-Term; K13]	0.289	0.155	0.161	1.358646393	0	1806.038636	3	602.6842651	-0.218212299	41.11883839
													ALPLEAEVAPVK	4	1	2xTMT6plex [N-Term; K12]	0.687	0.717	0.706	1.930221081	0	1695.045679	2	848.024231	-2.650935012	78.46782335
													HKPGGGDVK	1	1	3xTMT6plex [N-Term; K2; K9]	-	-	0.629	0.883984387	0	1581.967987	3	527.9950562	1.661523529	26.09633006
													DVAPSTVK	2	1	2xTMT6plex [N-Term; K8]	-	0.631	0.623	1.186975241	0	1274.772023	2	637.8899536	0.47642759	42.44141232
													CSLPAEEDSVLEK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	1.114	-	1.53088212	0	1935.014515	2	968.0106201	-0.284786301	65.24656645
													DMAQLPETEIAPAK	1	1	2xTMT6plex [N-Term; K14]	-	1.779	-	1.613048792	0	1972.082534	3	658.0330811	1.093024265	71.51524765
													VGSTENIK	2	1	2xTMT6plex [N-Term; K8]	-	0.337	0.246	1.147052526	0	1305.777837	2	653.3929443	0.59363228	46.62648555
310750350	MAP7	ensconsin isoform 2	1.668806162	1	1	1	779	87.766	9.77	-	1.373	-														
													TSAGTTDPEEATR	1	1	1xTMT6plex [N-Term]	-	1.373	-	1.271339417	0	1564.76521	2	782.8856812	-0.718660733	37.66832782
78042577	MAP7D1	MAP7 domain-containing protein 1 isoform 1	4.51843044	3	7	3	841	92.764	10.11	0.673	0.721	0.789														
													TPETLLPFAEAEAFLK	3	1	2xTMT6plex [N-Term; K16]	0.673	0.694	0.669	2.049178362	0	2235.267693	3	745.7624512	2.285075583	102.7179227
													HFQQQEQERQER	2	1	1xTMT6plex [N-Term]	-	0.598	-	1.672005653	1	1871.930987	3	624.6482544	-0.415184326	19.56203213
													AQAEQEEQER	2	1	1xTMT6plex [N-Term]	-	1.059	1.088	1.618912935	0	1446.702216	2	723.854126	-0.857665704	23.44795905
6912494	MAPRE1	microtubule-associated protein RP/EB family member 1	11.56716418	3	3	3	268	29.98	5.14	2.25	3.111	-														
													FQDNFEFVQWFK	1	1	2xTMT6plex [N-Term; K12]	3.691	-	-	0.867873788	0	2093.089669	3	698.3675537	-0.745714439	100.5291412
													LEHEYIQNFK	1	1	2xTMT6plex [N-Term; K10]	-	3.111	-	1.50628376	0	1778.984141	3	593.6661377	-0.15810937	58.92780218
													FFDANYDGK	1	1	2xTMT6plex [N-Term; K9]	2.001	-	-	0.895600975	0	1534.794215	2	767.9024048	2.161697171	66.59837514
153070260	MARCKS	myristoylated alanine-rich C-kinase substrate	40.06024096	9	30	8	332	31.536	4.45	0.716	0.652	0.712														
													EAGEGGEAEAPAAEGGK	5	1	2xTMT6plex [N-Term; K17]	0.68	0.666	0.667	2.628042221	0	1987.997284	2	994.5023193	0.039100594	35.38955085
													EELQANGSAPAADK	4	1	2xTMT6plex [N-Term; K14]	0.648	0.651	0.662	1.799367905	0	1858.991077	2	929.9996948	0.557398285	42.71888748
													GEPAAAAAPEAGASPVEK	6	1	2xTMT6plex [N-Term; K18]	0.619	0.625	0.645	1.91252172	0	2081.127905	3	694.380188	-0.910013821	50.31294814
													GEAAAERPGEAAVASSPSK	2	1	2xTMT6plex [N-Term; K19]	-	0.599	0.569	1.414391041	0	2243.203195	3	748.4051514	-1.022563824	37.58345101
													AEDGATPSPSNETPK	1	1	2xTMT6plex [N-Term; K15]	0.95	-	-	1.791164875	0	1959.007121	3	653.6724243	-2.24657212	37.24517353
													EEPAAAGSGAASPSAAEK	3	1	2xTMT6plex [N-Term; K18]	-	0.587	0.859	1.673101544	0	2059.070784	3	687.0290527	0.884555859	43.52828843
													AAEEPSK	2	1	2xTMT6plex [N-Term; K7]	-	0.761	0.721	1.428286791	0	1189.682874	2	595.3445435	-0.894058375	30.36939088
													VNGDASPAAAESGAK	5	1	2xTMT6plex [N-Term; K15]	0.617	0.643	0.693	2.308614016	0	1802.964862	3	601.659668	-0.228209522	41.28211738
													ANGQENGHVK	2	2	2xTMT6plex [N-Term; K10]	-	0.707	-	1.072009087	0	1511.83306	3	504.6149902	-1.748094379	22.41692746
13491174	MARCKSL1	MARCKS-related protein	11.79487179	2	3	1	195	19.517	4.67	-	0.586	-														
													AAATPESQEPQAK	1	1	2xTMT6plex [N-Term; K13]	-	0.586	-	1.8017416	0	1785.974699	3	595.9957886	-1.056043708	34.67860066
													ANGQENGHVK	2	2	2xTMT6plex [N-Term; K10]	-	0.707	-	1.072009087	0	1511.83306	3	504.6149902	-1.748094379	22.41692746
5174529	MAT2A	S-adenosylmethionine synthase isoform type-2	22.53164557	8	12	8	395	43.633	6.48	0.766	0.94	0.95														
													HIGYDDSSK	2	1	2xTMT6plex [N-Term; K9]	-	0.869	0.877	1.738059402	0	1479.784379	3	493.9326782	-0.60640053	33.99232585
													DSFPWEVPK	1	1	2xTMT6plex [N-Term; K9]	0.717	-	-	1.996396542	0	1562.861901	2	781.9328613	-2.210555999	79.88752233
													TAAYGHFGR	2	1	1xTMT6plex [N-Term]	0.824	-	0.938	1.835293651	0	1208.637372	3	403.5514221	1.937229045	32.26718204
													AAVDYQK	2	1	2xTMT6plex [N-Term; K7]	-	1.095	1.08	1.033158779	0	1252.730158	2	626.8676758	-1.663205349	40.10932228
													FVIGGPQGDAGLTGR	1	1	1xTMT6plex [N-Term]	-	0.734	-	1.590817928	0	1673.917235	2	837.4611816	-1.283222794	69.28858843
													ICDQISDAVLDAHLQQDPDAK	2	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	0.85	-	1.273	1.328697801	0	2810.439479	3	937.4833984	-1.365098779	79.75439056
													VACETVAK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.87	-	1.838588715	0	1335.770643	2	668.3875122	-2.1677194	43.37462723
													NFDLRPGVIVR	1	1	1xTMT6plex [N-Term]	0.733	-	-	0.835900784	0	1514.900463	3	505.6383667	0.055665477	61.45505951
11034825	MAT2B	methionine adenosyltransferase 2 subunit beta isoform 1	10.17964072	4	8	4	334	37.528	7.36	0.775	0.68	0.685														
													NAQLDCSK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.743	-	0.860709786	0	1393.750971	2	697.3807373	2.315678657	34.6025224
													LETLGIGQR	1	1	1xTMT6plex [N-Term]	0.941	-	-	1.968163133	0	1215.725852	2	608.3661499	-0.68198378	59.3420225
													DVATVCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.922	-	-	1.540624499	0	1049.561096	2	525.2844849	0.569329947	31.22377009
													ESLWPFLIDK	5	1	2xTMT6plex [N-Term; K10]	0.672	0.635	0.685	2.064133883	0	1705.992915	3	569.336731	1.597123335	99.07438554
21626466	MATR3	matrin-3 isoform a	2.12514758	1	4	1	847	94.565	6.25	0.955	0.999	1.025														
													IGPYQPNVPVGIDYVIPK	4	1	2xTMT6plex [N-Term; K18]	0.955	0.999	1.025	2.013406277	0	2427.405189	3	809.8031616	-4.225654936	96.22696209
394582093	MCM3	DNA replication licensing factor MCM3 isoform 1	2.227432591	2	2	2	853	95.848	5.77	-	1.033	-														
													EAHAQSIGMNR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	-	0.864	-	1.112267733	0	1458.732077	3	486.9153748	-0.346823402	21.64175153
													TADSQETK	1	1	2xTMT6plex [N-Term; K8]	-	1.265	-	1.197318435	0	1337.731281	2	669.3694458	0.249976634	35.60600249
7427519	MCM6	DNA replication licensing factor MCM6	1.583434836	1	1	1	821	92.831	5.41	1.143	-	-														
													YLQLAEELIRPER	1	1	1xTMT6plex [N-Term]	1.143	-	-	1.659036875	0	1859.058813	3	620.3544922	-5.319964827	91.88921747
212276121	MCTS1	malignant T-cell-amplified sequence 1 isoform 2	9.340659341	1	3	1	182	20.537	8.82	1.852	1.769	1.957														
													LYPAAVDTIVAIMAEGK	3	1	2xTMT6plex [N-Term; K17]	1.852	1.769	1.957	0.920521915	0	2220.271398	3	740.7625732	0.796648808	106.3919404
939646432	MDH1	malate dehydrogenase, peroxisomal isoform MDH1x	35.97733711	12	40	12	353	38.593	7.3	1.251	1.165	1.264														
													DVIATDK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.279	1.701512337	0	1219.729824	2	610.368042	-0.833590853	45.56384349
													DLDVAILVGSMPR	3	1	1xTMT6plex [N-Term]	1.372	1.527	1.556	1.346168876	0	1614.908644	3	538.9752808	1.637972009	94.44804146
													GEFVTTVQQR	7	1	1xTMT6plex [N-Term]	1.055	1.049	1.049	2.092017412	0	1393.763694	2	697.3868408	1.944914074	45.54269287
													LGVTANDVK	3	1	2xTMT6plex [N-Term; K9]	1.099	1.006	1.178	1.322370768	0	1374.835686	2	687.9224243	1.371729605	52.75803787
													MDLTAK	1	1	2xTMT6plex [N-Term; K6]	1.319	-	-	1.062690973	0	1136.674952	2	568.8411865	0.127175209	52.17093415
													EVGVYEALK	3	1	2xTMT6plex [N-Term; K9]	1.414	1.251	1.552	1.569404364	0	1465.866652	2	733.4356079	-1.850550106	65.68947339
													AICDHVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.48	1.2	-	1.710123658	0	1099.587979	3	367.2009888	0.394728391	36.75573172
													VIVVGNPANTNCLTASK	7	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.216	1.256	1.382	2.745562077	0	2216.247308	2	1108.626709	-0.526629517	72.48764735
													FVEGLPINDFSR	3	1	1xTMT6plex [N-Term]	1.108	1.097	1.118	0.978931725	0	1622.873973	2	811.9400024	-0.766946299	87.54965841
													NVIIWGNHSSTQYPDVNHAK	5	1	2xTMT6plex [N-Term; K20]	1.398	1.344	1.412	1.546866894	0	2738.441468	4	685.3642578	-2.288297951	58.71311072
													LSSAMSAAK	4	1	2xTMT6plex [N-Term; K9]	1.326	1.192	1.349	1.849569201	0	1323.770643	2	662.3887329	-0.342853719	52.17087042
													SQGAALDK	1	1	2xTMT6plex [N-Term; K8]	-	1.096	-	0.791048467	0	1247.735972	3	416.5839539	1.070901453	35.51086882
21735621	MDH2	malate dehydrogenase, mitochondrial isoform 1 precursor	53.55029586	14	48	14	338	35.481	8.68	1.104	1.179	1.18														

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													GCDVVVIPAGVPR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.167	1.3	1.268	1.26262331	0	1567.882764	3	523.3001099	1.921393559	68.75692368
													VAVLGASGGIGQPLSLLLK	7	1	2xTMT6plex [N-Term; K19]	0.848	0.825	0.857	2.268543005	0	2251.41536	2	1126.210571	-0.663507899	102.0665268
													GYLGPEQLPDCLK	6	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.1	1.2	1.186	1.440545797	0	1948.061405	2	974.5341797	-0.165608229	79.29299663
													LTLYDIAHTPGVAADLSHIETK	1	1	2xTMT6plex [N-Term; K22]	-	1.043	-	1.587495208	0	2823.565665	4	706.647583	1.004772542	90.64404149
													IQEAGTEVVK	6	1	2xTMT6plex [N-Term; K10]	1.139	1.324	1.261	1.486835599	0	1531.909579	2	766.4591064	0.885842509	52.05996575
													TIIPLISQCTPK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.073	-	1.099	0.954759657	0	1829.097063	3	610.3703003	-0.390920257	88.61840671
													FVFSLVDAMNGK	6	1	2xTMT6plex [N-Term; K12]	1.291	1.29	1.265	2.228947878	0	1785.997348	3	596.0039063	-0.10238537	99.75452322
													FVFSLVDAMNGK	3	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M9]	-	1.43	1.114	1.779229522	0	1801.992263	3	601.3359375	0.55266053	93.52467904
													MISDAIPELK	2	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M1]	0.958	1.075	-	0.859742522	0	1590.917701	3	530.9760132	-2.649533169	73.58191702
													VSSFEEK	1	1	2xTMT6plex [N-Term; K7]	0.936	-	-	1.092953086	0	1283.724739	2	642.3646851	-2.060584121	50.69414394
													VNVPVIGGHAGK	3	1	2xTMT6plex [N-Term; K12]	1.387	1.285	1.311	1.748321891	0	1605.984082	3	535.9988403	-1.316248355	55.54643079
													VDFPQDQLTALTGR	2	1	1xTMT6plex [N-Term]	0.887	0.916	-	0.773768425	0	1789.964579	2	895.4850464	-0.984687956	80.67526568
													SQETECTYFSTPLLLGK	2	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.186	-	1.013845086	0	2432.278334	2	1216.644287	1.218556573	91.97532308
													ANTFVAELK	1	1	2xTMT6plex [N-Term; K9]	1.15	-	-	0.964169025	0	1450.866986	2	725.9378052	0.928756099	70.04087984
													IFGVTTLDIVR	3	1	1xTMT6plex [N-Term]	0.929	1.051	0.944	1.450961828	0	1462.883081	2	731.9456177	0.599919142	93.93694197
4505135	MDK	midkine isoform a precursor	18.88111888	3	5	3	143	15.575	9.79	0.25	0.468	0.474														
													EGTCGAQTQR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.195	-	0.543	1.1925807	0	1336.647679	2	668.8274536	-0.035868418	18.04228054
													DCGVGFR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.289	0.468	-	1.038356304	0	1039.519231	2	520.2629395	-0.604600407	34.97533658
													YNAQCQETIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.406	1.899542928	0	1511.747393	2	756.378418	1.43329336	34.28629653
4505143	ME1	NADP-dependent malic enzyme	5.244755245	2	7	2	572	64.109	6.13	1.463	1.42	1.387														
													AIVVTDGER	3	1	1xTMT6plex [N-Term]	1.465	1.391	1.387	1.426094532	0	1188.678568	2	594.8428955	-0.044877039	43.24933429
													QITDNIFLTTAEVIAQQVSDK	4	1	2xTMT6plex [N-Term; K21]	1.445	1.543	-	2.320500135	0	2792.544595	3	931.5213623	1.76841726	107.7665404
686661112	MEMO1	protein MEMO1 isoform 1	5.723905724	1	5	1	297	33.711	7.14	1.796	1.867	1.98														
													DEFTIIPVLVGALSESK	5	1	2xTMT6plex [N-Term; K17]	1.796	1.867	1.98	1.465618253	0	2276.315371	2	1138.662354	0.904747768	106.1141294
74136552	MESDC2	LDLR chaperone MESD precursor	5.555555556	1	4	1	234	26.06	7.78	0.645	0.542	0.579														
													DDDIEEGDLPEHK	4	1	2xTMT6plex [N-Term; K13]	0.645	0.542	0.579	2.234033823	0	1969.975486	3	657.3304443	0.656606045	49.41380644
188595716	MET	hepatocyte growth factor receptor isoform a precursor	9.090909091	10	23	10	1408	157.611	7.33	0.788	0.754	0.79														
													GDLTIANLGTSEGR	1	1	1xTMT6plex [N-Term]	0.585	-	-	0.773928583	0	1632.875429	2	816.9451904	4.700211196	59.79854739
													AFFMLDGILSK	4	1	2xTMT6plex [N-Term; K11]	0.986	0.824	0.803	2.009307146	0	1699.985721	2	850.4963379	-0.189377326	101.9088456
													SNSEIICCTTPSLQQLNLQLPLK	2	1	2xTMT6plex [N-Term; K23]; 2xCarbamidomethyl	0.765	0.807	-	1.198058844	0	3115.689562	4	779.6775513	-0.380991704	95.9947556
													ETLDAQTFHTR	3	1	1xTMT6plex [N-Term]	0.771	0.807	0.754	1.047006607	0	1547.801536	3	516.6055298	0.322945453	50.05059812
													VFPNSAPLEGGTR	3	1	1xTMT6plex [N-Term]	-	0.507	0.726	2.272684574	0	1573.853572	2	787.4309692	0.692584483	59.05489083
													NLNSVSVPR	1	1	1xTMT6plex [N-Term]	0.997	-	-	1.629863262	0	1214.705451	2	607.8563843	0.033534622	48.70592409
													TEFTTALQR	2	1	1xTMT6plex [N-Term]	-	0.97	0.837	1.363139391	0	1295.715681	2	648.3627319	1.933878877	53.07351678
													TGPVLEHPDCFPCQDCSSK	3	1	2xTMT6plex [N-Term; K19]; 3xCarbamidomethyl	0.842	0.933	0.898	2.300024509	0	2692.256964	3	898.0888672	-1.825738615	54.93299098
													EDPIVYEIHPTK	3	1	2xTMT6plex [N-Term; K12]	0.856	0.856	0.801	1.336776733	0	1899.062785	3	633.6928101	0.574839226	63.05372948
													HISIGGK	1	1	2xTMT6plex [N-Term; K7]	-	0.786	-	1.254581571	0	1169.740664	3	390.585083	0.027453468	39.94204494
164420681	METAP1	methionine aminopeptidase 1	3.10880829	1	1	1	386	43.187	7.17	0.89	-	-														
													VCETDGCSSEAK	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	0.89	-	-	1.518291235	0	1800.850821	2	900.9269409	-2.340745838	33.86193575
5803092	METAP2	methionine aminopeptidase 2 isoform 1	8.577405858	3	4	3	478	52.858	5.82	-	1.04	0.972														
													GPSAAGEQEPDK	2	1	2xTMT6plex [N-Term; K12]	-	0.969	1.296	1.600321412	0	1643.864086	2	822.4351807	-0.60881668	32.80251891
													NLCDLGIVDPYPPLCDIK	1	1	2xTMT6plex [N-Term; K18]; 2xCarbamidomethyl	-	-	0.669	1.3322258	0	2560.355538	3	854.1195068	-4.519388817	96.65504159
													ESGASVDEVAR	1	1	1xTMT6plex [N-Term]	-	1.091	-	1.344068289	0	1348.690589	2	674.847168	-2.617014258	33.21771849
4505157	MFAP2	microfibrillar-associated protein 2 isoform a precursor	10.38251366	2	4	2	183	20.812	4.97	-	0.8	0.954														
													LYSIHRPCK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	0.774	-	1.086027741	0	1631.945588	4	408.7416687	-0.455312553	40.19056839
													TVCAHEELLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.929	0.954	2.069627047	0	1456.777964	2	728.8927612	0.193173527	41.18164159
167830475	MFGE8	lactadherin isoform a preproprotein	8.527131783	2	3	2	387	43.077	8.15	0.719	0.677	0.576														
													VTFLGLQHWVPELAR	1	1	1xTMT6plex [N-Term]	-	-	0.576	1.400788784	0	1995.137732	3	665.71698	-0.67453418	95.23605447
													NAVHVNLFETPVEAQYVR	2	1	1xTMT6plex [N-Term]	0.719	0.677	-	2.060783386	0	2315.234546	3	772.4138794	-3.222492693	75.70371474
4505163	MGAT2	alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransfer	1.789709172	1	1	1	447	51.517	8.76	-	0.929	-														
													VLVPQIPR	1	1	1xTMT6plex [N-Term]	-	0.929	-	1.26766026	0	1150.750945	2	575.880249	1.978279388	73.40847736
11024698	MGEA5	protein O-GlcNAcase isoform a	3.820960699	2	8	2	916	102.849	4.91	0.783	0.851	0.994														
													LLPGIEVLWTGPK	5	1	2xTMT6plex [N-Term; K13]	0.783	0.76	0.864	1.727317452	0	1881.161377	2	941.083313	-1.077958256	101.8381534
													LLPIDGANDLFFQPPPLTPTSK	3	1	2xTMT6plex [N-Term; K22]	-	1.01	1.018	2.070855856	0	2839.600988	3	947.2041626	-1.07532257	102.2160787
122891870	MIA3	melanoma inhibitory activity protein 3 isoform 1 precursor	0.419507079	1	3	1	1907	213.57	4.84	0.54	0.557	0.543														
													EDHENTEK	3	1	2xTMT6plex [N-Term; K8]	0.54	0.557	0.543	1.307108045	0	1459.742908	3	487.2521973	-0.595511114	20.58227816
4557751	MICA	MHC class I polypeptide-related sequence A isoform 1 (MICA*001)	2.610966057	1	2	1	383	42.888	6.98	0.945	0.973	-														
													EGLHSLQEIR	2	1	1xTMT6plex [N-Term]	0.945	0.973	-	2.585998535	0	1410.790243	3	470.9345093	-0.899338491	45.92828877
31324577	MICALL1	MICAL-like protein 1	1.506373117	1	1	1	863	93.383	7.25	-	1.324	-														
													VLMQELVTLIEQR	1	1	1xTMT6plex [N-Term]	-	1.324	-	1.326735258	0	1801.045472	3	601.0198975	-0.184596776	105.6181061
19923761	MINPP1	multiple inositol polyphosphate phosphatase 1 isoform 1	1.848049281	1	4	1	487	55.016	7.81	0.508	0.522	0.517														
													VLEYLNDLK	4	1	2xTMT6plex [N-Term; K9]	0.508	0.522	0.517	1.330508947	0	1564.935066	3	522.3155518	-1.89382079	93.17658578
74272287	MMP9	matrix metalloproteinase-9 preproprotein	23.76237624	13	38	13	707	78.408	6.06	0.234	0.26	0.232														
													FTEGPPLHK	3	1	2xTMT6plex [N-Term; K9]	0.207	0.2	0.213	1.642372847	0	1483.867321	3	495.2935486	-0.827633327	52.54716699
													AVIDDAFAR	2	1	1xTMT6plex [N-Term]	0.39	0.437	-	1.47571969	0	1206.668003	2	603.8379517	0.516811841	57.95180564
													QSTLVLFPGDLR	4	1	1xTMT6plex [N-Term]	0.295	0.586	0.255	1.670812011	0	1574.910358	2	787.9573975	-1.80336494	87.17440901
													SLGPALLLLQK	5	1	2xTMT6plex [N-Term; K11]	0.151	0.176	0.16	1.568964005	0	1611.060935	2	806.0354614	1.682916831	96.33678391
													QLAEEYLYR	1	1	1xTMT6plex [N-Term]	0.424	-	-	0.796375632	0	1413.757546	2	707.3829956	0.82639413	59.76949775
													FQTFEGDLK	3	1	2xTMT6plex [N-Term; K9]	0.208	0.212	0.306	1.97215569	0	1542.856815	3	514.956543	-1.127631373	71.51558231
													QLSLPETGELDSATLK	4	1	2xTMT6plex [N-Term; K16]	0.306	0.259	0.309	1.647369504	0	2160.216385	3	720.7412109	-3.381882274	81.21022841
													LGLGADVAQVTGALR	7	1	1xTMT6plex [N-Term]	0.424	0.346	0.479	2.403894186	0	1669.979835	3	557.3311157	-0.623356049	88.57038526
													FGNADGAACHFPFIFEGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.25	-	-	1.274389029	0	2242.070123	3	748.0291138	1.18848138	87.87864997

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													ADSTVMGGNSAGELCVFPFTFLGK	2	1	2xTMT6plex [N-Term; K24]; 1xCarbamidomethyl	0.299	-	0.219	2.273307323	0	2963.504721	3	988.5048218	-1.622854836	103.2923428
													EYSTCTSEGR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.426	0.246	0.25	1.25694406	0	1418.641924	2	709.8245239	-0.107975406	28.29877565
													GSRPQGPFLIADK	2	1	2xTMT6plex [N-Term; K13]	-	0.237	0.196	1.553739548	0	1844.079438	3	615.3637085	-1.55427237	56.45307568
													LWCATTSNFDSDK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	-	0.454	1.420463443	0	2002.994448	2	1002.002197	1.332979856	74.74508614
952977834	MOB1A	MOB kinase activator 1A isoform 3	13.95348837	3	4	3	258	29.856	8.24	1.161	-	1.238														
													ELAPLQELIEK	2	1	2xTMT6plex [N-Term; K11]	1.237	-	1.238	1.522368431	0	1741.051158	3	581.0202026	-2.931188909	94.34186898
													NIPEGSHQYELLK	1	1	2xTMT6plex [N-Term; K13]	1.016	-	-	0.878739834	0	1986.106047	3	662.7067871	-0.120306705	57.49308225
													HAEATLGSGNLR	1	1	1xTMT6plex [N-Term]	1.084	-	-	0.698447227	0	1454.791306	3	485.6023865	0.893745943	31.26060298
110624774	MRC2	C-type mannose receptor 2 precursor	0.60851927	1	2	1	1479	166.568	5.83	-	0.541	0.569														
													EPDDSPQGR	2	1	1xTMT6plex [N-Term]	-	0.541	0.569	0.782663941	0	1229.59596	2	615.3009033	-1.163186462	21.96704227
27436901	MRPL12	39S ribosomal protein L12, mitochondrial	5.050505051	1	2	1	198	21.335	8.87	1.384	1.333	-														
													LVESLPQEIK	2	1	2xTMT6plex [N-Term; K10]	1.384	1.333	-	1.661941051	0	1613.98783	3	538.6673584	-0.190580549	77.49178762
974005212	MSANTD4	myb/SANT-like DNA-binding domain-containing protein 4	3.47826087	1	1	1	345	41.124	5.44	-	1.901	-														
													SMLQPQDIETEK	1	1	2xTMT6plex [N-Term; K12]	-	1.901	-	1.220530033	0	1877.009035	3	626.3418579	1.057730907	29.32614703
53988380	MSLN	mesothelin isoform 2 preproprotein	8.888888889	5	9	5	630	68.942	6.38	0.46	0.429	0.407														
													IQSFLGGAPTEDLK	2	1	2xTMT6plex [N-Term; K14]	0.714	0.398	-	1.297908187	0	1934.099899	2	967.5518188	-1.829246095	85.64818026
													VNAIPFTYEQLDVLK	3	1	2xTMT6plex [N-Term; K15]	0.371	0.38	-	1.01103425	0	2208.268027	3	736.7613525	0.669070588	96.76101716
													EIDESLIFYK	1	1	2xTMT6plex [N-Term; K10]	-	0.857	-	0.922005773	0	1714.96676	2	857.9862061	-0.947085776	89.98084953
													TACPSGK	2	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	0.391	0.407	1.647962213	0	1178.660365	2	589.8335571	-0.447187505	26.10842308
													LLGPHVEGLK	1	1	2xTMT6plex [N-Term; K10]	-	0.413	-	0.901646376	0	1520.95647	3	507.6561584	-1.675155242	63.07268535
20302158	MSMB	beta-microseminoprotein isoform b precursor	12.98701299	1	2	1	77	8.773	11.25	-	0.991	0.958														
													MFLHLWVMTK	2	1	2xTMT6plex [N-Term; K10]; 2xOxidation [M1; M8]	-	0.991	0.958	1.7733109	0	1796.000326	3	599.3379517	-0.570372686	93.16466442
4505257	MSN	moesin	53.37954939	29	125	24	577	67.778	6.4	1.216	1.221	1.069														
													TANDMIHAENMR	3	1	1xTMT6plex [N-Term]	2.537	2.574	1.984	1.723578215	0	1631.783126	3	544.5998535	1.153049597	40.17054074
													TANDMIHAENMR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M]	1.401	-	1.429	1.432151556	0	1647.778041	3	549.9315796	1.301600991	31.74359736
													TANDMIHAENMR	4	1	1xTMT6plex [N-Term]; 2xOxidation [M5; M11]	0.729	0.702	0.79	1.203926921	0	1663.772956	2	832.388916	-1.442720139	22.51765152
													AQQELEEQTR	4	1	1xTMT6plex [N-Term]	1.407	1.359	1.222	1.9976331	0	1460.754252	2	730.880188	-0.788868789	31.26967657
													QRIDEFESM	1	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	0.828	-	-	0.749941528	1	1399.672496	2	700.3394775	-0.584373757	43.47725772
													TQEQLALEMAELTAR	6	1	1xTMT6plex [N-Term]	1.606	1.576	1.471	1.945249796	0	1933.026193	3	645.0128174	-1.186585868	88.04324278
													TQEQLALEMAELTAR	6	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	0.72	0.775	0.768	2.106743574	0	1949.021108	3	650.3447876	-0.666004604	65.43763343
													EDAVLEYLK	2	1	2xTMT6plex [N-Term; K9]	1.531	1.342	-	1.76900363	0	1537.887781	2	769.4466553	-1.136138245	82.49320182
													IAQDLEMYGVNYFSIK	6	1	2xTMT6plex [N-Term; K16]	1.095	1.037	1.171	1.661317348	0	2349.256476	2	1175.131836	-0.034315112	98.7992721
													IAQDLEMYGVNYFSIK	2	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M7]	1.055	1.022	-	1.75346303	0	2365.251391	3	789.0882568	-0.496189197	96.66394825
													TAMSTPHVAEPAENEQDEQDENGAEASADLR	1	1	1xTMT6plex [N-Term]	-	1.561	-	1.530330062	0	3541.582242	3	1181.19812	-0.687607479	51.87547496
													TAMSTPHVAEPAENEQDEQDENGAEASADLR	6	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	1.075	1.105	1.178	1.816031456	0	3557.577157	3	1186.528564	-1.691378812	44.21886595
													AQMVQEDLEK	8	1	2xTMT6plex [N-Term; K10]	1.81	2.069	1.637	2.199081659	0	1648.898028	3	550.3037109	-0.878567064	55.94800316
													AQMVQEDLEK	3	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M3]	0.862	-	0.869	1.742230535	0	1664.892943	3	555.6359863	0.277798267	49.1738811
													ALTSELANAR	1	1	1xTMT6plex [N-Term]	-	1.435	-	0.839039266	0	1274.726581	2	637.8676147	1.076585527	56.75420839
													ESEAVEWQQK	5	1	2xTMT6plex [N-Term; K10]	1.579	1.662	-	2.087682486	0	1691.900471	2	846.4536133	-0.307995363	49.97698409
													ALTSELANARDESK	2	1	2xTMT6plex [N-Term; K14]	1.046	1.066	-	1.230089545	1	1963.08604	3	655.0339966	0.71148491	57.43807048
													ESPLLFK	1	1	2xTMT6plex [N-Term; K7]	-	1.145	-	1.055790186	0	1291.802595	2	646.4060059	1.656552447	75.899892
													GMLREDAVLEYLK	2	1	2xTMT6plex [N-Term; K13]	1.139	1.187	-	2.042677164	1	1995.134904	3	665.7142944	-3.295155232	83.65929389
													AQSEAEK	2	1	2xTMT6plex [N-Term; K7]	-	1.049	1.03	1.563619137	0	1220.688688	2	610.8483276	0.566142248	25.52738723
													SGYLAGDK	2	1	2xTMT6plex [N-Term; K8]	1.229	-	-	2.032986879	0	1268.725073	3	423.5800171	0.334926408	45.39728131
													ALELEQER	2	1	1xTMT6plex [N-Term]	-	1.084	1.369	1.21861732	0	1216.673482	2	608.8414307	1.727964122	45.92394502
													EALLQASR	2	1	1xTMT6plex [N-Term]	-	1.127	-	1.522449851	0	1116.657438	2	558.8319702	-0.69368661	41.90056378
													EVWFFGLQYQDTK	6	1	2xTMT6plex [N-Term; K13]	1.033	1.092	0.931	2.441469193	0	2119.126448	3	707.046936	-0.091195375	96.98318018
													FYPEDVSEELIQDITQR	12	1	1xTMT6plex [N-Term]	1.264	1.312	1.29	2.598856926	0	2311.165523	3	771.059082	-1.224402243	99.80458883
													EGILNDDIYCPPETAVLLASYAVQSK	4	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl	1.312	1.17	1.354	2.045315981	0	3324.743765	3	1108.915771	-3.309802996	101.6923695
													QIEEQTK	2	1	2xTMT6plex [N-Term; K7]	-	1.298	-	1.867274642	0	1333.772751	2	667.3900757	0.092404937	34.27569413
													IQVWHEEHR	4	1	1xTMT6plex [N-Term]	-	1.017	1.052	1.861788988	0	1462.775262	3	488.2634888	0.445057153	36.44820241
													AQQELEEQTRR	4	1	1xTMT6plex [N-Term]	-	0.647	0.977	2.333333731	1	1616.855363	3	539.62323	-0.139758075	32.43020466
													ISQLEMAR	1	1	1xTMT6plex [N-Term]	-	-	1.358	0.680112123	0	1176.660809	2	588.8342896	0.419187551	59.33434961
													QLFDQVVK	2	3	2xTMT6plex [N-Term; K8]	1.375	0.658	-	0.944215417	0	1434.872072	2	717.9395142	-0.222967395	71.10437635
													VTTMDAELEFAIQPNTTGK	3	3	2xTMT6plex [N-Term; K19]	1.398	1.334	1.486	1.863004446	0	2524.336911	3	842.1176147	0.546729034	90.52653423
													VTTMDAELEFAIQPNTTGK	2	3	2xTMT6plex [N-Term; K19]; 1xOxidation [M4]	-	1.226	1.298	2.329868793	0	2540.331826	3	847.4499512	1.367697554	82.92779686
													RKPDTIEVQQMK	1	3	3xTMT6plex [N-Term; K2; K12]	-	1.326	-	1.091591835	1	2160.27777	4	540.8259277	1.903203171	45.93455516
													RKPDTIEVQQMK	1	3	3xTMT6plex [N-Term; K2; K12]; 1xOxidation [M11]	-	-	1.009	1.627165556	1	2176.272685	4	544.8239746	0.635925594	39.34408543
													APDFVFYAPR	2	3	1xTMT6plex [N-Term]	0.751	-	0.794	1.138224959	0	1411.757152	2	706.3817139	-0.709254862	78.27574078
													KPDTIEVQQMK	3	3	3xTMT6plex [N-Term; K1; K11]	1.157	1.189	1.179	2.504264355	0	2004.176659	3	668.729187	-1.821628262	52.37330148
													KPDTIEVQQMK	3	3	3xTMT6plex [N-Term; K1; K11]; 1xOxidation [M10]	0.859	0.875	-	1.052250028	0	2020.171574	3	674.0618896	-0.226690987	46.42555192
28866947	MT1F	metallothionein-1F isoform 1	32.78688525	2	9	2	61	6.081	7.83	0.558	0.557	0.812														
													SCCSCCPVGCSK	5	1	2xTMT6plex [N-Term; K12]; 5xCarbamidomethyl	0.761	0.755	0.812	1.059734106	0	1919.830637	3	640.6154175	0.553309957	35.84688034
													CAQGCVCK	4	1	2xTMT6plex [N-Term; K8]; 3xCarbamidomethyl	0.513	0.538	-	0.805963516	0	1440.716182	3	480.9102783	0.06895941	31.69989111
5174764	MT2A	metallothionein-2	67.21311475	4	27	4	61	6.037	7.83	0.679	0.646	0.671														
													MDPNCSCAAGDSCTCAGSCK	8	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M1];	0.478	0.655	0.485	1.621364951	0	2683.074919	3	895.0286865	-1.272025489	32.80596383
													CAQGCICK	4	1	2xTMT6plex [N-Term; K8]; 3xCarbamidomethyl	-	0.583	-	1.467542648	0	1454.731832	2	727.8693848	-0.233382361	37.80489998
													SCCSCCPVGCAK	14	1	2xTMT6plex [N-Term; K12]; 5xCarbamidomethyl	0.726	0.732	0.725	2.11677146	0	1903.835722	2	952.4205933	-0.951986845	35.45395047
													KSCCSCCPVGCAK	1	1	3xTMT6plex [N-Term; K1; K13]; 5xCarbamidomethyl	0.922	-	-	2.063938618	1	2261.093617	3	754.3688965	-0.655031204	34.58509575
5174762	MT3	metallothionein-3	17.64705882	1	5	1	68	6.921	4.84	1.087	1.242	1.443														
													SCCSCCPAECEK	5	1	2xTMT6plex [N-Term; K12]; 5xCarbamidomethyl	1.087	1.242	1.443	1.546512246	0	2005.831031	3	669.2819214	0.08979827	42.12737056
223555917	MTDH	protein LYRIC	6.529209622	3	10	3	582	63.799	9.32	0.596	0.717	0.646														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QGEDNSTAQDTEELEK	3	1	2xTMT6plex [N-Term; K16]	0.607	-	0.625	1.223827004	0	2252.093035	3	751.368042	-1.537358086	43.38555484
													GEGALPTGK	5	1	2xTMT6plex [N-Term; K9]	0.755	0.717	0.688	1.341448784	0	1287.767272	2	644.3869019	-0.578636434	43.96333922
													TISTSDPAEVLVK	2	1	2xTMT6plex [N-Term; K13]	0.375	-	0.477	1.528058052	0	1818.062451	2	909.5336914	-1.289673795	74.56990423
21956645	MTPN	myotrophin	34.74576271	4	14	4	118	12.887	5.52	1.159	1.371	1.389														
													NGDLDEVK	4	1	2xTMT6plex [N-Term; K8]	-	1.418	1.485	1.510285258	0	1347.752016	2	674.3782959	-2.00397632	44.14145251
													GPDGLTAFEATDNQAIK	5	1	2xTMT6plex [N-Term; K17]	1.016	1.222	0.904	2.207926273	0	2206.175583	2	1103.59314	1.550056533	73.09152031
													EFMWALK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.293	1.620357156	0	1382.79065	2	691.8985596	-0.584158835	88.96589903
													GADINAPDK	4	1	2xTMT6plex [N-Term; K9]	1.333	1.379	1.382	1.960648894	0	1358.768	2	679.8875732	-0.096120622	41.38820513
4505289	MVD	diphosphomevalonate decarboxylase	2.25	1	2	1	400	43.377	7.23	-	1.133	1.092														
													TTTTAVISK	2	1	2xTMT6plex [N-Term; K9]	-	1.133	1.092	1.454148293	0	1379.851002	2	690.4278564	-1.859280003	48.00341782
19913412	MVP	major vault protein isoform 1	11.7581187	8	16	8	893	99.266	5.48	0.427	0.399	0.361														
													ILDQSEAEK	3	1	2xTMT6plex [N-Term; K9]	0.384	0.39	0.402	1.75896132	0	1490.846645	2	745.9274902	0.710481359	51.42582928
													LFSVPDFVGDACK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.379	-	1.273973346	0	1913.024292	3	638.3466797	0.624243249	95.37055549
													DITPLQVVLPNTALHLK	1	1	2xTMT6plex [N-Term; K17]	0.403	-	-	2.089076996	0	2330.421173	3	777.4751587	-4.398602235	95.20526011
													ELPPGVEELLNK	2	1	2xTMT6plex [N-Term; K12]	0.456	0.401	-	1.839029074	0	1796.056972	2	898.5302124	-2.12880514	94.52401545
													LAQDPFPLYPGEVLEK	4	1	2xTMT6plex [N-Term; K16]	0.318	0.316	0.34	2.157072306	0	2274.278592	3	758.7645264	0.190966737	97.27888247
													ELLELEALSMAVESTGTAK	2	1	2xTMT6plex [N-Term; K19]	0.487	-	0.435	2.002249718	0	2450.346413	3	817.4540405	0.471530076	101.9346373
													KDPQETAK	1	1	3xTMT6plex [N-Term; K1; K8]	-	-	0.337	0.775693476	1	1603.962233	3	535.3248901	-1.31887759	32.80342538
													IEGEGSVLQAK	2	1	2xTMT6plex [N-Term; K11]	0.8	0.826	-	1.141427875	0	1588.931043	2	794.9682617	-1.130390465	58.92594229
295842578	MX1	interferon-induced GTP-binding protein Mx1 isoform a	8.912386707	4	7	4	662	75.473	5.83	0.044	0.04	0.052														
													SSVLEALSGVALPR	3	1	1xTMT6plex [N-Term]	0.044	0.041	0.046	2.177988529	0	1627.958037	3	543.3242188	0.040633726	94.17352001
													ALGVEQDLALPAIAVIGDQSSGK	1	1	2xTMT6plex [N-Term; K23]	-	0.084	-	2.488556385	0	2710.539116	3	904.1854248	0.961116572	98.93595868
													NLVFHLK	2	1	2xTMT6plex [N-Term; K7]	-	0.038	0.04	1.211898804	0	1328.845463	3	443.6196289	-0.850047113	60.57469845
													DVPDLTLIDLPGITR	1	1	1xTMT6plex [N-Term]	-	-	0.235	1.211387038	0	1867.073795	3	623.0302734	1.324158963	99.1113337
56549129	MXRA7	matrix-remodeling-associated protein 7 isoform 3 precursor	6.470588235	1	1	1	170	17.482	4.15	0.796	-	-														
													EELEEEQRTEE	1	1	1xTMT6plex [N-Term]	0.796	-	-	1.274006248	1	1649.770355	2	825.3877563	-1.284442214	33.90646418
33457348	MYDGF	myeloid-derived growth factor precursor	20.23121387	4	14	4	173	18.783	6.68	0.678	0.621	0.603														
													SYLYFTQFK	3	1	2xTMT6plex [N-Term; K9]	0.643	0.662	-	1.133687735	0	1654.924501	2	827.9628906	-3.623391881	88.43308693
													TAVAHRPGAFK	6	1	2xTMT6plex [N-Term; K11]	-	0.582	0.569	2.321737289	0	1612.968766	3	538.3279419	0.314019468	31.80072771
													ESDVPLK	4	1	2xTMT6plex [N-Term; K7]	0.762	0.649	0.66	1.423579097	0	1245.745474	2	623.3759155	-0.738309174	50.35878795
													TEEFEVTK	1	1	2xTMT6plex [N-Term; K8]	-	0.652	-	1.522144198	0	1440.798632	3	480.9376526	-0.157784942	56.69419797
365192532	MYH10	myosin-10 isoform 1	4.285002491	8	15	1	2007	232.385	5.55	1.605	1.867	1.513														
													CIIPNHEK	1	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.246	-	-	0.944736004	0	1468.834641	3	490.2840271	1.965822938	38.96642455
													TQLEELEDELQATEDAK	5	2	2xTMT6plex [N-Term; K17]	1.253	1.15	0.924	2.243457794	0	2420.24445	3	807.4163208	-4.148774168	92.48997143
													EDQSILCTGESGAGK	2	2	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	0.796	-	0.993300676	0	2010.021391	3	670.6781616	-0.726010542	58.94842554
													TVGQLYK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.144	1.015088201	0	1266.782194	2	633.8948975	0.255949189	53.9959272
													AGVLAHLEEER	1	2	1xTMT6plex [N-Term]	-	-	1.102	1.186558008	0	1452.800808	2	726.90448	0.602505817	52.62568038
													ADFCIIHYAGK	1	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.295	-	0.904991329	0	1752.950733	3	584.9897461	2.254582046	72.78012959
													QVASNLEK	3	1	2xTMT6plex [N-Term; K8]	1.605	1.867	1.513	2.196357965	0	1346.804386	3	449.6060486	-0.589163545	47.25393388
													CNGVLEGIR	1	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.271	-	-	1.299716949	0	1246.677522	2	623.8421021	-0.477050742	48.5082887
12667788	MYH9	myosin-9	32.90816327	53	123	46	1960	226.392	5.6	1.131	1.142	1.171														
													GAGDGSDEEVDGK	3	1	2xTMT6plex [N-Term; K13]	1.261	1.342	1.281	1.213240385	0	1693.828094	2	847.4174194	-0.313852872	37.63148225
													DLQGRDEQSEEK	3	1	2xTMT6plex [N-Term; K12]	-	1.305	1.246	1.686604619	1	1891.976155	3	631.3287964	-2.282845813	28.86485508
													VEEEAAQK	3	1	2xTMT6plex [N-Term; K8]	1.384	1.289	1.281	2.034321547	0	1361.767666	2	681.3881836	1.046042974	35.48249493
													SVHELEK	4	1	2xTMT6plex [N-Term; K7]	1.232	1.26	1.238	1.763483047	0	1299.767272	2	650.3876953	0.647627478	35.54460357
													RQLEEAEEEAQR	3	1	1xTMT6plex [N-Term]	1.128	1.289	1.179	3.043850183	1	1716.871407	3	572.9630737	1.899595622	35.75307449
													ASREEILAQAK	1	1	2xTMT6plex [N-Term; K11]	1.293	-	-	1.308168292	1	1673.99504	3	558.6707764	1.63424114	43.18405311
													QTLENERGELANEVK	2	1	2xTMT6plex [N-Term; K15]	1.197	-	-	1.258184791	1	2188.197381	3	730.0708618	0.297577917	49.20445255
													ALELDSNLYR	1	1	1xTMT6plex [N-Term]	1.16	-	-	1.045661449	0	1422.77901	2	711.8919678	-1.652423256	66.30438261
													IAEFTTNLTEEEEK	3	1	2xTMT6plex [N-Term; K14]	1.26	1.247	-	0.971113384	0	2112.111251	3	704.7077026	-1.2767982	77.593369
													EQLEEEEEAK	4	1	2xTMT6plex [N-Term; K10]	1.275	1.231	-	1.365450025	0	1691.873981	2	846.4390259	-1.895118799	43.45080227
													EEILAQAK	3	1	2xTMT6plex [N-Term; K8]	1.203	1.246	1.465	1.509105325	0	1359.824787	2	680.4161377	0.155674927	59.45175106
													LQVELDNVTGLLSQSDSK	2	1	2xTMT6plex [N-Term; K18]	1.027	0.959	-	1.268500328	0	2404.33354	3	802.1168823	1.062116638	95.76574453
													VMQEQGTHPK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.232	1.179505467	0	1612.888132	3	538.3016968	1.490972612	35.60336284
													TLEEEAK	1	1	2xTMT6plex [N-Term; K7]	1.151	-	-	1.237594247	0	1277.735303	2	639.3710327	-0.402720588	39.18370315
													VAAYDK	1	1	2xTMT6plex [N-Term; K6]	-	1.042	-	0.829347014	0	1124.671581	2	562.8394775	0.086610284	41.87816546
													KQELEEICHDLEAR	1	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	1.137	-	-	1.460126758	1	2228.174537	4	557.798584	-0.911684639	67.91905868
													IAQLEEQLDNETK	1	1	2xTMT6plex [N-Term; K13]	-	1.456	-	1.200073004	0	1989.090456	3	663.7015991	-0.10675066	79.0364863
													IAQLEEELEEEQGNTELINDR	2	1	1xTMT6plex [N-Term]	1.341	0.99	-	2.29161191	0	2701.336563	3	901.1141968	-3.156340489	92.05528205
													EEVGEEAIVELVENGK	2	1	2xTMT6plex [N-Term; K16]	1.327	-	1.32	1.351625323	0	2202.190564	3	734.7329102	-2.900330859	94.92002716
													LEGDSTDLSDQIAELQAQIAELK	4	1	2xTMT6plex [N-Term; K23]	0.89	1.219	1.197	2.032304049	0	2945.571932	3	982.52771	-1.139153028	102.4657446
													THEAQIQEMR	8	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	0.864	0.877	0.913	2.444990635	0	1487.747393	3	496.5873413	0.052459028	24.346958
													NRDEAIK	1	1	2xTMT6plex [N-Term; K7]	1.139	-	-	1.254690289	1	1303.77342	3	435.2626953	0.086247732	25.38863109
													ALEEAMEQK	1	1	2xTMT6plex [N-Term; K9]	1.05	-	-	1.109818101	0	1506.823801	2	753.9145508	-1.311226634	56.30742592
													TELEDTLDSTAAQQELR	4	1	1xTMT6plex [N-Term]	1.032	1.029	0.93	2.165498257	0	2149.082187	3	717.03125	-1.391380012	67.08702513
													HSQAVEELAEQLEQTK	3	1	2xTMT6plex [N-Term; K16]	1.03	1.078	-	1.620772004	0	2298.23416	3	766.7477417	-2.388169334	72.65622463
													NFINNPLAQADWAAK	6	1	2xTMT6plex [N-Term; K15]	1.054	0.977	0.989	2.454986811	0	2131.170044	2	1066.08606	-2.440776319	90.39903892
													IIGLDQVAGMSETALPGAFK	3	1	2xTMT6plex [N-Term; K20]	0.938	1.07	1.075	2.694505453	0	2476.388553	3	826.1333618	-1.219671597	98.74165712
													GALALEEK	3	1	2xTMT6plex [N-Term; K8]	1.605	1.262	1.28	1.536235571	0	1288.787673	2	644.897644	0.262367452	57.4650943
													NMDPLNDNIATLLHQSSDK	3	1	2xTMT6plex [N-Term; K19]	1.041	1.086	1.003	2.263939619	0	2584.344121	3	862.1219482	2.774404733	86.87891882
													NLPIYSEEIVEMYK	5	1	2xTMT6plex [N-Term; K14]	1.156	1.182	1.176	1.781845808	0	2186.181914	2	1093.596069	1.348493397	94.4098436
													EEELVK	1	1	2xTMT6plex [N-Term; K6]	-	1.252	-	1.65941608	0	1204.718925	2	602.8638916	1.312748635	45.62474144

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													REQEVNILK	2	1	2xTMT6plex [N-Term; K9]	-	1.183	1.221	2.220747471	1	1586.963012	3	529.6588745	-0.593274598	46.69780503
													QIATLHAQVADMK	2	1	2xTMT6plex [N-Term; K13]	-	0.945	0.916	1.722734213	0	1884.077724	3	628.6971436	-0.449262749	55.09292519
													QSACNLEK	3	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	1.272	1.305	1.978051662	0	1407.766621	2	704.3865967	-0.499962575	36.18527977
													ELEDATETADAMNR	1	1	1xTMT6plex [N-Term]	-	0.934	-	1.251025796	0	1794.837723	3	598.9504395	-0.533770052	51.02358267
													ELEDATETADAMNR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M12]	-	-	1.2	0.573246121	0	1810.832638	2	905.9186401	-1.454848177	45.11719652
													HEAMITDLEER	1	1	1xTMT6plex [N-Term]	-	1.532	-	1.416262269	0	1572.788923	3	524.9345703	0.14944631	54.09301701
													SGFEPASLK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.117	1.436074138	0	1393.809137	2	697.4080811	-0.180462746	57.57321578
													LQEMEGTVK	1	1	2xTMT6plex [N-Term; K9]	-	1.476	-	1.289803028	0	1492.844536	2	746.9266357	0.977110703	58.14961461
													DFSALESQLQDTQELLQEENR	1	1	1xTMT6plex [N-Term]	-	1.211	-	1.31869638	0	2722.336898	4	681.3399658	0.417145744	95.31902323
													LQQELDDLLVDLDHQR	2	1	1xTMT6plex [N-Term]	-	1.894	1.805	2.206416845	0	2179.155627	3	727.0557251	-1.378826273	98.3621231
													KLEEEQIILEDQNCK	1	1	3xTMT6plex [N-Term; K1; K15]; 1xCarbamidomethyl	-	-	1.179	1.489641428	1	2576.420865	4	644.8602905	-0.594782726	64.95789281
													NTDQASMPDNTAAQK	1	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M7]	-	1	-	1.516500831	0	2066.022454	3	689.3464355	1.113148902	29.97723722
													DLGEELEALK	2	1	2xTMT6plex [N-Term; K10]	-	0.803	1.969	1.928632975	0	1574.904159	3	525.6384277	-2.177603541	84.73457863
													QQQLTAMK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.699	1.13940835	0	1405.823741	2	703.4153442	-0.234299242	46.27600445
													CIIPNHEK	1	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.246	-	-	0.944736004	0	1468.834641	3	490.2840271	1.965822938	38.96642455
													TQLEELEDELQATEDAK	5	2	2xTMT6plex [N-Term; K17]	1.253	1.15	0.924	2.243457794	0	2420.24445	3	807.4163208	-4.148774168	92.48997143
													EQADFAIEALAK	6	1	2xTMT6plex [N-Term; K12]	0.873	-	1.029	1.880729198	0	1763.994371	3	588.6698608	0.372943101	85.06904128
													QLLQANPILEAFGNAK	5	1	2xTMT6plex [N-Term; K16]	1.151	1.107	1.126	1.904923081	0	2185.274509	2	1093.138306	-2.367913895	97.91199316
													EDQSILCTGESGAGK	2	2	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	0.796	-	0.993300676	0	2010.021391	3	670.6781616	-0.726010542	58.94842554
													TVGQLYK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.144	1.015088201	0	1266.782194	2	633.8948975	0.255949189	53.9959272
													AGVLAHLEEER	1	2	1xTMT6plex [N-Term]	-	-	1.102	1.186558008	0	1452.800808	2	726.90448	0.602505817	52.62568038
													ADFCIIHYAGK	1	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.295	-	0.904991329	0	1752.950733	3	584.9897461	2.254582046	72.78012959
													CNGVLEGIR	1	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.271	-	-	1.299716949	0	1246.677522	2	623.8421021	-0.477050742	48.5082887
740087210	MYL12A	myosin regulatory light chain 12A isoform 2	34.46327684	5	10	5	177	20.444	4.75	1.084	0.754	0.95														
													GNFNYIEFTR	1	1	1xTMT6plex [N-Term]	-	0.739	-	0.85292685	0	1489.763694	2	745.383606	-2.523202809	68.84276765
													EDLHDMLASLGK	1	1	2xTMT6plex [N-Term; K12]	-	0.809	-	1.149610043	0	1786.977341	3	596.3311157	0.812986228	87.74622555
													EDLHDMLASLGK	2	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M6]	1.224	-	1.181	1.646659136	0	1802.972256	3	601.6628418	0.951767627	61.64477785
													LNGTDPEDVIR	1	1	1xTMT6plex [N-Term]	0.778	-	-	1.146698475	0	1457.779738	2	729.3934937	-0.018867948	57.26950226
													EAFNMIDQNR	1	1	1xTMT6plex [N-Term]	-	-	0.69	0.873462021	0	1466.725929	2	733.8654785	-1.532753125	54.71056379
													EAFNMIDQNR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	-	0.961	0.338411689	0	1482.720844	2	741.864502	0.596030098	47.30069574
													ATSNVFAMFDQSQIQEFK	3	1	2xTMT6plex [N-Term; K18]	0.786	0.491	0.436	1.370012641	0	2549.311031	3	850.440918	-1.110046485	96.29811826
17986258	MYL6	myosin light polypeptide 6 isoform 1	43.70860927	6	26	6	151	16.919	4.65	0.79	0.85	0.792														
													VLDFEHFLPMLQTVAK	3	1	2xTMT6plex [N-Term; K16]	0.912	0.916	0.931	1.468157172	0	2346.329581	3	782.7816162	0.304348894	102.0023783
													VLDFEHFLPMLQTVAK	6	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M10]	0.483	0.513	0.52	2.675117016	0	2362.324496	3	788.1125488	-0.593925867	98.79820566
													HVLVTLGEK	4	1	2xTMT6plex [N-Term; K9]	0.884	0.917	-	1.824512959	0	1453.914271	3	485.3091431	-0.959362467	52.94454363
													SDEMNVK	1	1	2xTMT6plex [N-Term; K7]	-	1.353	-	1.403532743	0	1280.692058	2	640.8483887	-1.997096986	39.29629684
													DQGTYEDYVEGLR	3	1	1xTMT6plex [N-Term]	0.845	0.752	-	1.169531703	0	1773.849274	2	887.425415	-3.225015766	63.09486927
													EAFQLFDR	1	1	1xTMT6plex [N-Term]	0.793	-	-	1.245105386	0	1254.668003	2	627.836792	-1.35152536	68.99970175
													ALGQNPTNAEVLK	8	1	2xTMT6plex [N-Term; K13]	0.797	0.817	0.844	2.130811214	0	1813.058369	3	605.024231	-0.126299798	60.00535128
194328685	MYO1B	unconventional myosin-Ib isoform 1	1.320422535	1	2	1	1136	131.902	9.38	-	0.576	0.5														
													IFLLTNNNLLLADQK	2	1	2xTMT6plex [N-Term; K15]	-	0.576	0.5	1.31624651	0	2188.31056	3	730.1079712	-0.548402865	99.29814379
284172512	MYO3B	myosin-IIIb isoform 2	1.193139448	1	1	1	1341	151.733	8.15	0.885	-	-														
													TESAHLIVQHLTFLGK	1	1	2xTMT6plex [N-Term; K16]	0.885	-	-	0.918646038	0	2252.316708	3	751.4434204	-0.44417356	94.25587746
7305053	MYOF	myoferlin isoform a	0.630761766	1	1	1	2061	234.561	6.18	-	-	1.013														
													FGKPDPIVSVIFK	1	1	3xTMT6plex [N-Term; K3; K13]	-	-	1.013	0.988827705	0	2134.324309	3	712.112915	-0.054960163	94.64950202
10835057	NAA10	N-alpha-acetyltransferase 10 isoform 1	15.74468085	3	4	3	235	26.442	5.64	-	1.667	1.911														
													DSSEASDSAS	2	1	1xTMT6plex [N-Term]	-	1.926	1.911	1.183184743	0	1184.511621	2	592.7594604	0.019264005	18.9993407
													GNSPPSSGEACREEK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	1.811	-	1.203069806	1	2063.022788	3	688.347168	2.017804299	25.12120452
													GLAAEDSGGDSK	1	1	2xTMT6plex [N-Term; K12]	-	1.359	-	1.44931531	0	1564.821886	2	782.9143677	-0.2732825	38.30946846
17149828	NAA15	N-alpha-acetyltransferase 15, NatA auxiliary subunit	5.080831409	5	8	5	866	101.208	7.42	1.389	2.031	1.361														
													EHEADTANMSDK	3	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M9]	1.543	1.693	2.203	1.441667199	0	1821.868913	3	607.9611206	-0.05743201	22.02118125
													LEDAADVYR	2	1	1xTMT6plex [N-Term]	1.43	-	1.51	0.961168289	0	1280.668397	2	640.8387451	1.418536117	52.14808592
													NSDSLPHR	1	1	1xTMT6plex [N-Term]	1.184	-	-	1.383915782	0	1154.611551	3	385.5421448	0.286014956	23.59570825
													TQQTSPDK	1	1	2xTMT6plex [N-Term; K8]	-	2.178	-	1.600146413	0	1362.762915	2	681.8859253	1.217303406	25.92413961
													LAVEETK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.721	0.565902114	0	1247.761124	2	624.3841553	-0.07238014	52.45349571
38679914	NAA25	N-alpha-acetyltransferase 25, NatB auxiliary subunit	1.440329218	1	1	1	972	112.221	6.64	-	1.512	-														
													LLLQQLEATLETGK	1	1	2xTMT6plex [N-Term; K14]	-	1.512	-	1.389381766	0	2015.215263	3	672.4102173	0.414613508	101.4758384
13376735	NAA50	N-alpha-acetyltransferase 50 isoform 1	11.24260355	2	4	2	169	19.386	8.81	1.771	0.964	1.068														
													VDHSQNQK	1	1	2xTMT6plex [N-Term; K8]	1.505	-	-	0.549829483	0	1413.785047	3	471.9332886	0.187420752	20.97197945
													VPSGQNADVQK	3	1	2xTMT6plex [N-Term; K11]	2.188	0.964	1.068	1.188987136	0	1600.905891	2	800.954895	-2.109674877	49.98735717
333033787	NACA	nascent polypeptide-associated complex subunit alpha isoform a	6.702702703	5	19	5	925	94.622	5.14	1.055	0.96	1.098														
													NILFVITKPDVYK	1	1	3xTMT6plex [N-Term; K8; K13]	1.042	-	-	1.311681509	0	2237.387638	3	746.463623	-5.060253836	93.29040356
													IEDLSQQAQLAAAEK	4	1	2xTMT6plex [N-Term; K15]	0.901	1.002	0.993	1.953349829	0	2073.159205	2	1037.081543	-1.637777018	72.40108907
													SPASDTYIVFGEAK	9	1	2xTMT6plex [N-Term; K14]	0.94	1.008	0.982	2.363930225	0	1943.052614	2	972.0318604	1.970926107	76.58549579
													DIELVMSQANVSR	3	1	1xTMT6plex [N-Term]	1.946	1.677	1.844	2.172121763	0	1690.899536	3	564.3045044	-0.340485283	72.30379298
													DIELVMSQANVSR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	0.891	-	1.4850775	0	1706.894451	2	853.9498901	-1.140671915	56.15861903
													QVTGVTR	1	1	1xTMT6plex [N-Term]	-	0.651	-	1.035449147	0	989.5941099	2	495.3005676	-0.253958761	37.53819261
557357751	NAE1	NEDD8-activating enzyme E1 regulatory subunit isoform d	2.048417132	1	1	1	537	60.479	5.4	-	1.09	-														
													DAAAVGNHVAK	1	1	2xTMT6plex [N-Term; K11]	-	1.09	-	1.078124046	0	1510.874197	3	504.2969666	1.422738046	33.34912466
295844834	NAGK	N-acetyl-D-glucosamine kinase	5.128205128	1	1	1	390	42.011	6.68	-	-	0.776														
													IVFDSIDNLEAAPHDIGYVK	1	1	2xTMT6plex [N-Term; K20]	-	-	0.776	1.619477391	0	2674.449238	3	892.1541138	-0.542317792	93.84732793
5031977	NAMPT	nicotinamide phosphoribosyltransferase precursor	31.16089613	12	25	12	491	55.487	7.15	1.08	1.147	1.069														

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													STQAPLIIRPDSGNPLDTVLK	1	1	2xTMT6plex [N-Term; K21]	0.991	-	-	1.583969593	0	2693.560186	3	898.5212402	-4.090644394	90.06074948
													TPAGNFVTLEEGK	3	1	2xTMT6plex [N-Term; K13]	0.996	1.083	1.073	1.818385839	0	1821.015835	2	911.0129395	1.51958934	69.32487792
													LHDFGYR	3	1	1xTMT6plex [N-Term]	1.043	1.024	1.009	1.366084099	0	1136.605009	3	379.5394592	-1.042177752	42.16866653
													VLEILGK	1	1	2xTMT6plex [N-Term; K7]	1.034	-	-	0.593610287	0	1229.823331	2	615.4146729	-1.025787073	88.68135515
													KFPVTENSK	2	1	3xTMT6plex [N-Term; K1; K9]	1.166	1.297	-	1.610420346	1	1737.051382	3	579.6882324	-0.712646953	48.13506099
													EHFQDDVFNEK	2	1	2xTMT6plex [N-Term; K11]	1.089	1.075	-	1.766255021	0	1865.943398	3	622.651001	-2.652138493	53.25804524
													SYSFDEIRK	1	1	2xTMT6plex [N-Term; K9]	1.102	-	-	1.336360455	1	1602.889178	3	534.9680176	0.200471985	54.17914844
													VIQGDGVDINTLQEIVEGMK	4	1	2xTMT6plex [N-Term; K20]	1.187	0.948	1.229	1.933253527	0	2616.431874	3	872.8150024	-0.542626695	101.8269407
													AVPEGFVIPR	2	1	1xTMT6plex [N-Term]	1.034	1.182	-	1.563867331	0	1313.777888	2	657.3911133	-2.236243681	69.64550114
													GDLEEYGQDLLHTVFK	3	1	2xTMT6plex [N-Term; K16]	1.099	1.058	1.087	1.727390885	0	2322.238183	3	774.7503052	-0.784132597	97.21478585
													GVSSQETAGIGASAHLVNFK	2	1	2xTMT6plex [N-Term; K20]	-	1.074	0.913	1.657354593	0	2431.334543	3	811.1165161	0.18588139	70.89172301
													YDGHLPIEIK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.136	1.091655493	0	1642.956864	3	548.3245239	1.311499645	69.96119933
12056473	NANS	sialic acid synthase	22.84122563	8	12	8	359	40.281	6.74	1.062	0.952	1														
													ECGADCAK	2	1	2xTMT6plex [N-Term; K8]; 2xCarbamidomethyl	1.068	-	1.203	0.963030457	0	1368.665192	2	684.8358154	-0.612326981	26.04247524
													HITLDK	1	1	2xTMT6plex [N-Term; K6]	-	-	0.927	1.916481733	0	1184.740329	3	395.5847168	-0.617982993	43.32725923
													GYPPEDIFNLVGK	2	1	2xTMT6plex [N-Term; K13]	-	1.076	1.115	1.81949079	0	1907.067871	3	636.3566895	-6.478825854	95.34682798
													ALGSPTK	2	1	2xTMT6plex [N-Term; K7]	-	0.994	1.022	1.247908592	0	1131.71378	2	566.3613892	1.521144606	39.30812854
													IPEGTILTMDMLTVK	1	1	2xTMT6plex [N-Term; K15]	0.962	-	-	1.013175488	0	2120.211106	3	707.4086304	0.109509511	99.00063243
													HLEFSHDQYR	1	1	1xTMT6plex [N-Term]	-	0.832	-	1.6381917	0	1560.775656	4	390.9496155	0.625415997	44.03254637
													VGSGDTNNFPYLEK	2	1	2xTMT6plex [N-Term; K14]	-	0.863	0.898	1.709149361	0	1999.053677	2	1000.03009	-0.386695938	74.25230165
													ALERPYTSK	1	1	2xTMT6plex [N-Term; K9]	-	0.958	-	1.322324276	0	1522.899349	3	508.3053894	1.487959721	35.92749439
4758756	NAP1L1	nucleosome assembly protein 1-like 1 isoform 1	13.04347826	5	17	3	391	45.346	4.46	2.171	2.384	2.225														
													GIPEFWLTVFK	6	1	2xTMT6plex [N-Term; K11]	2.309	2.518	2.151	1.776445866	0	1795.05585	2	898.0299072	-1.844910216	103.9933808
													NVDLLSDMVQEHDEPILK	3	1	2xTMT6plex [N-Term; K18]	2.027	2.583	2.333	1.723424792	0	2553.36346	3	851.7929077	0.278042881	90.89136642
													NVDLLSDMVQEHDEPILK	2	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M8]	2.38	2.41	-	1.593886614	0	2569.358375	3	857.1228027	-1.759192847	75.70316869
													YAVLYQPLFDK	2	1	2xTMT6plex [N-Term; K11]	2.08	2.24	-	0.609610677	0	1815.045679	3	605.6872559	0.846027261	93.03243037
													FYEEVHDLERK	1	2	2xTMT6plex [N-Term; K11]	-	-	2.266	0.919732571	1	1923.037633	4	481.5144348	-0.896379851	58.06638881
													FYEEVHDLER	3	2	1xTMT6plex [N-Term]	1.659	1.831	1.776	1.863693953	0	1565.779738	3	522.5985107	0.792440043	56.85520367
5174613	NAP1L4	nucleosome assembly protein 1-like 4	30.13333333	9	25	7	375	42.797	4.69	1.323	1.294	1.383														
													AAATAEEPDPK	7	1	2xTMT6plex [N-Term; K11]	1.348	1.41	1.421	1.576289296	0	1557.852458	3	519.9550171	-1.258296611	36.79772465
													NVDMLSELVQEYDEPILK	1	1	2xTMT6plex [N-Term; K18]	1.074	-	-	1.44103682	0	2593.383527	3	865.1296387	-3.533570828	100.8571168
													QVPNESFFNFFNPLK	5	1	2xTMT6plex [N-Term; K15]	1.363	1.395	1.369	1.958974957	0	2286.23231	3	762.748291	-0.870560317	100.8525196
													YAALYQPLFDK	4	1	2xTMT6plex [N-Term; K11]	1.307	1.32	1.319	1.465466261	0	1787.014379	3	596.343811	1.399667232	91.14518725
													VLAALQER	2	1	1xTMT6plex [N-Term]	1.112	0.918	-	1.184895754	0	1128.693824	2	564.8515015	1.685461236	60.31666541
													LDNVPHTPSSYIETLPK	1	1	2xTMT6plex [N-Term; K17]	-	0.989	-	1.054322958	0	2369.311682	3	790.4403687	-2.165094194	75.1108917
													ADPFSFEGPEIVDCDGCTIDWK	1	1	2xTMT6plex [N-Term; K22]; 2xCarbamidomethyl	-	1.254	-	1.324240208	0	3016.410881	3	1006.142761	0.944692722	96.096825
													FYEEVHDLERK	1	2	2xTMT6plex [N-Term; K11]	-	-	2.266	0.919732571	1	1923.037633	4	481.5144348	-0.896379851	58.06638881
													FYEEVHDLER	3	2	1xTMT6plex [N-Term]	1.659	1.831	1.776	1.863693953	0	1565.779738	3	522.5985107	0.792440043	56.85520367
545688329	NAPB	beta-soluble NSF attachment protein isoform a	3.311258278	1	3	1	302	33.896	5.47	1.268	0.874	0.797														
													GEESNSSANK	3	1	2xTMT6plex [N-Term; K10]	1.268	0.874	0.797	2.43260479	0	1480.764372	2	740.885437	-0.522788485	21.56078113
4758762	NARS	asparagine--tRNA ligase, cytoplasmic	12.04379562	6	9	6	548	62.903	6.25	1.615	1.652	1.497														
													EAEDSLRR	1	1	1xTMT6plex [N-Term]	-	-	1.303	1.512988687	1	1204.64833	3	402.2208557	-0.26259226	22.59802809
													IFDSEEILAGYK	2	1	2xTMT6plex [N-Term; K12]	1.617	2.01	-	1.794920683	0	1843.025337	3	615.0129395	-0.581674382	91.93461944
													IGALEGYR	1	1	1xTMT6plex [N-Term]	-	-	1.591	0.934898674	0	1107.635975	2	554.3218384	0.384068252	56.57875366
													EGSDATGDGTK	1	1	2xTMT6plex [N-Term; K11]	1.614	-	-	0.950490177	0	1495.764037	2	748.3850098	-0.865276018	25.35408198
													YGTCPHGGYGLGLER	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.336	1.258	1.422604203	0	1865.916583	3	622.6434937	-0.351190924	48.2081025
													EPFPTIYVDSQK	2	1	2xTMT6plex [N-Term; K12]	-	1.592	1.745	1.257232547	0	1882.036236	3	628.0158691	-1.69072628	79.08340852
27262628	NASP	nuclear autoantigenic sperm protein isoform 2	20.68527919	11	26	11	788	85.186	4.3	1.098	0.874	0.778														
													HLVMGDIPAAVNAFQEAASLLGK	2	1	2xTMT6plex [N-Term; K23]	1.377	-	-	1.948128104	0	2810.563891	3	937.5269165	0.820199009	103.1968808
													VESLDVDSEAK	3	1	2xTMT6plex [N-Term; K11]	1.495	1.291	-	1.769089818	0	1649.899802	3	550.6382446	0.229308906	56.0967547
													SVSGTDVQEECREK	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.498	0.481	0.449	1.39123261	1	2082.053754	3	694.689209	-0.326565476	34.11126281
													EQDSEMEK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M6]	-	0.537	-	0.611238241	0	1469.719396	2	735.3635254	0.257573827	35.39646379
													GGAAPEGPNEAEVTSGKPEQEVPDAEEEK	3	1	3xTMT6plex [N-Term; K17; K29]	0.542	0.564	-	1.238346219	0	3638.827655	3	1213.61084	-2.6624753	55.97260494
													EAQLYAAQAHLK	1	1	2xTMT6plex [N-Term; K12]	1.411	-	-	0.971622944	0	1801.037239	3	601.0164185	-1.408726511	54.35237588
													EAEGSSAEYK	2	1	2xTMT6plex [N-Term; K10]	-	0.738	0.672	1.379074812	0	1528.789524	2	764.8991699	1.007054095	33.73398912
													TEEMPNDSVLENK	3	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M4]	1.128	1.017	1.048	1.570944071	0	1979.999593	3	660.6723022	1.39421659	49.79997789
													SGNVAELALK	3	1	2xTMT6plex [N-Term; K10]	0.712	0.68	0.71	1.970503449	0	1459.88845	2	730.4483032	0.602720922	68.00639302
													IEDVPAPSTSADK	4	1	2xTMT6plex [N-Term; K13]	1.054	1.036	1.051	1.852349997	0	1787.979115	2	894.4926147	-0.650079077	55.93689712
													KPTDGASSSNCVTDISHLVR	1	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	-	0.924	-	1.222956061	0	2602.36592	4	651.3484497	2.324468699	56.26618271
267844811	NAV1	neuron navigator 1 isoform 1	0.586041556	1	1	1	1877	202.347	8.07	-	-	0.826														
													ERPESCDDSSK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	-	0.826	1.728881001	0	1767.858348	3	589.9574585	-0.297654911	26.77409471
91984773	NAXE	NAD(P)H-hydrate epimerase precursor	19.44444444	4	9	4	288	31.654	7.66	1.07	1.123	1.076														
													SATQFTGR	2	1	1xTMT6plex [N-Term]	-	-	0.884	1.198480964	0	1096.594838	2	548.8007813	-0.503650009	30.53753361
													EPFHSILSVLK	1	1	2xTMT6plex [N-Term; K11]	1.04	-	-	0.898296773	0	1728.046013	3	576.684082	-4.814846472	90.4738457
													GLTVPIASIDIPSGWDVEK	4	1	2xTMT6plex [N-Term; K19]	1.256	1.183	1.3	2.186629057	0	2455.384847	3	819.133728	0.726339105	98.88088007
													GNAGGIQPDLLISLTAPK	2	1	2xTMT6plex [N-Term; K18]	0.975	1.07	-	1.850428462	0	2223.311289	3	741.7728271	-3.310573164	95.52212553
115387106	NBL1	neuroblastoma suppressor of tumorigenicity 1 isoform 1	5.092592593	1	3	1	216	23.154	6.2	1.612	1.389	1.474														
													ILHCSCQACGK	3	1	2xTMT6plex [N-Term; K11]; 3xCarbamidomethyl	1.612	1.389	1.474	2.110508442	0	1791.906837	3	597.9735107	-0.478559164	36.85089711
45545411	NCKAP1	nck-associated protein 1 isoform 2	2.469135802	2	2	2	1134	129.433	6.68	-	1.348	1.305														
													EAAVSHAGSMHR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	-	1.348	-	1.143127441	0	1497.742976	3	499.9193726	0.392895037	25.99353341
													ELATVLSDQPGLLGPK	1	1	2xTMT6plex [N-Term; K16]	-	-	1.305	1.49381721	0	2096.236727	3	699.416748	-0.494156677	92.22908923
55956788	NCL	nucleolin	32.11267606	21	67	21	710	76.568	4.7	1.482	1.42	1.097														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													AAVTPGK	3	1	2xTMT6plex [N-Term; K7]	-	0.46	0.375	1.542759538	0	1101.703216	2	551.3546143	-1.146991637	35.62103058
													EAMEDGEIDGNK	1	1	2xTMT6plex [N-Term; K12]	1.158	-	-	0.999655485	0	1765.86785	2	883.4377441	0.204693262	47.34047301
													EAMEDGEIDGNK	6	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M3]	2.194	2.273	2.358	2.233516216	0	1781.862765	3	594.6248169	-1.609420468	36.54279302
													ESFDGSVR	3	1	1xTMT6plex [N-Term]	1.448	1.454	1.011	0.838338733	0	1125.573768	2	563.2904053	-0.20826989	35.41864846
													FGYVDFESAEDLEK	5	1	2xTMT6plex [N-Term; K14]	1.707	1.419	-	1.606194019	0	2107.063573	2	1054.03479	-0.602512374	90.1824272
													GYAFIEFASFEDAK	5	1	2xTMT6plex [N-Term; K14]	0.995	1.514	1.345	1.575763702	0	2053.068265	2	1027.03125	-6.352029412	95.88410049
													NDLAVVDVR	3	1	1xTMT6plex [N-Term]	1.871	1.828	1.821	1.11326611	0	1229.705117	2	615.3563843	0.305036291	55.68419562
													NSTWSGESK	1	1	2xTMT6plex [N-Term; K9]	-	1.995	-	0.941880763	0	1453.768729	2	727.3884277	0.584789543	35.89157614
													ALVATPGK	3	1	2xTMT6plex [N-Term; K8]	0.518	0.541	0.524	1.547280669	0	1214.787279	2	607.8969727	-0.502785558	50.16466839
													GLSEDTTEETLK	6	1	2xTMT6plex [N-Term; K12]	1.664	1.789	1.81	1.482010722	0	1780.958045	2	890.9819336	-0.816865116	53.16913816
													SISLYYTGEK	4	1	2xTMT6plex [N-Term; K10]	1.242	1.33	-	1.814220905	0	1618.909245	2	809.9561768	-2.574557152	66.04564563
													TGISDVFAK	4	1	2xTMT6plex [N-Term; K9]	1.735	1.536	0.908	1.447724104	0	1395.824787	2	698.4164429	0.588929352	71.11766271
													VPQNQNGK	1	1	2xTMT6plex [N-Term; K8]	1.521	-	-	1.10098052	0	1342.784319	3	448.2664795	0.421479872	30.65961349
													EVFEDAAEIR	1	1	1xTMT6plex [N-Term]	1.624	-	-	1.764755368	0	1407.731725	2	704.3684692	-1.465871231	61.20378262
													VEGTEPTTAFNLFVGNLNFNK	8	1	2xTMT6plex [N-Term; K21]	1.452	1.491	1.472	1.756170273	0	2770.481601	2	1385.737427	-5.062038445	100.1173138
													IVTDRETGSSK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.737	1.203056693	1	1650.94267	3	550.9859619	0.401166073	36.9986462
													ALELTGLK	1	1	2xTMT6plex [N-Term; K8]	1.784	-	-	1.365429759	0	1302.839709	2	651.9221802	-2.014966553	72.50642054
													GIAYIEFK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.833	1.790970206	0	1398.839709	3	466.9514771	0.120808941	80.96033329
													GFGFVDFNSEEDAK	6	1	2xTMT6plex [N-Term; K14]	1.603	1.496	1.605	2.130589724	0	2020.006393	2	1010.508362	1.512120369	80.81990943
													TLVLSNLSYSATEETLQEVFEK	2	1	2xTMT6plex [N-Term; K22]	-	1.678	1.463	1.919291854	0	2959.591605	3	987.2026367	0.591958785	101.9643342
													TEADAEK	1	1	2xTMT6plex [N-Term; K7]	-	1.962	-	0.926340699	0	1221.672703	2	611.3395386	-0.738832553	26.1374063
													AVTTPGK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.564	1.011969924	0	1131.71378	2	566.3604126	-0.204667197	36.56758202
17738308	NCS1	neuronal calcium sensor 1 isoform 1	6.842105263	1	2	1	190	21.865	4.83	0.79	1.016	-														
													FATFVFNVFDENK	2	1	2xTMT6plex [N-Term; K13]	0.79	1.016	-	1.53954339	0	2036.089334	3	679.3690796	1.645880402	101.7275417
37655183	NDRG1	protein NDRG1 isoform 1	8.375634518	2	5	2	394	42.808	5.82	1.406	1.548	1.541														
													ISGWTQALPDMVVSHLFGK	3	1	2xTMT6plex [N-Term; K19]	1.406	1.57	-	2.186429024	0	2544.404871	3	848.8065796	0.123462871	102.157359
													EEMQSNVEVVHTYR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	1.542	1.541	1.458513021	0	1965.953756	3	655.9891968	-0.365851926	35.12214105
4826852	NDUFAB1	acyl carrier protein, mitochondrial precursor	8.974358974	1	3	1	156	17.406	4.93	1.239	1.181	1.22														
													LMCPQEIVDYIADK	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.239	1.181	1.22	1.632995248	0	2153.138669	3	718.3834839	-1.286916576	99.73542279
31542528	NECAP1	adaptin ear-binding coat-associated protein 1	2.545454545	1	1	1	275	29.719	6.8	-	1.234	-														
													QESEISK	1	1	2xTMT6plex [N-Term; K7]	-	1.234	-	1.903032184	0	1278.730552	2	639.8693237	0.640080849	34.44414436
42560237	NECTIN1	nectin-1 isoform 1 precursor	11.21856867	4	7	4	517	57.122	6.1	1.235	1.185	1.284														
													GEAEYQEIR	1	1	1xTMT6plex [N-Term]	-	-	1.47	1.239212632	0	1323.674211	2	662.3396606	-1.636279471	35.17518582
													QNVAIYNPSMGVSVLAPYR	1	1	1xTMT6plex [N-Term]	-	-	1.243	1.034077048	0	2308.232103	3	770.0827637	0.708254435	88.76297513
													GPINYSLAGTYICEATNPIGTR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.235	1.276	1.136	1.7287606	0	2597.323103	3	866.4456787	-0.238717773	90.31433158
													ITQVTWQK	2	1	2xTMT6plex [N-Term; K8]	-	1.165	1.069	1.247611642	0	1461.882971	2	731.4457397	0.842893865	63.90096224
315259111	NEDD8-MDP1	NEDD8-MDP1 protein	10.3626943	2	5	2	193	22.014	6.37	1.252	1.227	1.353														
													EIEIDIEPTDK	4	1	2xTMT6plex [N-Term; K11]	1.252	1.227	1.312	1.198534608	0	1759.972967	2	880.4884033	-1.952972823	74.54885718
													EGIPPQQQR	1	1	1xTMT6plex [N-Term]	-	-	1.523	0.969985902	0	1281.711265	2	641.3602295	1.496073591	32.87793879
7019545	NENF	neudesin precursor	12.20930233	2	6	2	172	18.845	5.69	0.555	0.392	0.651														
													ELEALDEVFTK	4	1	2xTMT6plex [N-Term; K11]	0.38	0.392	0.377	2.059657574	0	1751.983138	2	876.4942627	-1.078337647	92.56820779
													GVVFDVTSGK	2	1	2xTMT6plex [N-Term; K10]	0.728	-	1.104	1.216940284	0	1466.861901	2	733.9336548	-1.273384827	67.21311489
157311649	NEO1	neogenin isoform 1 precursor	1.916495551	2	2	2	1461	159.917	6.54	-	1.023	0.53														
													EMAHLEGLMK	1	1	2xTMT6plex [N-Term; K10]	-	1.023	-	1.195061445	0	1616.890441	3	539.6347046	-0.544261037	62.81024785
													TFTPFYFLVEPVDTLSVR	1	1	1xTMT6plex [N-Term]	-	-	0.53	1.99007833	0	2360.273951	3	787.4295654	0.08137575	105.0778185
4505393	NGFR	tumor necrosis factor receptor superfamily member 16 precursor	3.7470726	1	1	1	427	45.154	4.7	-	1.313	-														
													EACPTGLYTHSGECCK	1	1	2xTMT6plex [N-Term; K16]; 3xCarbamidomethyl	-	1.313	-	1.380427957	0	2328.082294	3	776.6976318	-1.697402277	43.51735027
9910460	NIT2	omega-amidase NIT2	16.66666667	3	6	3	276	30.589	7.21	1.232	1.525	1.131														
													ECSIYLIGGSIPEEDAGK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.036	-	-	1.577160716	0	2396.241948	3	799.4192505	0.521652183	83.07603942
													IHLFDIDVPGK	3	1	2xTMT6plex [N-Term; K11]	1.393	1.521	1.074	1.668568611	0	1712.014713	3	571.3428345	-0.445575628	89.32614816
													LYNTCAVFGPDGTLLAK	2	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.542	1.667	1.855890751	0	2298.256811	3	766.7574463	0.424263809	92.40334419
14149738	NLN	neurolysin, mitochondrial	2.272727273	1	1	1	704	80.6	6.64	1.83	-	-														
													AELGALPDDFIDSLEK	1	1	2xTMT6plex [N-Term; K16]	1.83	-	-	1.343908429	0	2191.189836	3	731.0680542	-0.103469969	97.9023164
33519450	NLRP9	NACHT, LRR and PYD domains-containing protein 9	0.908173562	1	1	1	991	113.238	6.51	0.71	-	-														
													AVLHNPHLK	1	1	2xTMT6plex [N-Term; K9]	0.71	-	-	1.200268865	0	1486.925839	2	743.9665527	-0.006524367	95.62434406
38045913	NME1	nucleoside diphosphate kinase A isoform a	39.5480226	7	27	1	177	19.641	5.58	2.444	2.361	2.325														
													NIIHGSDSVESAEK	5	1	2xTMT6plex [N-Term; K14]	2.444	2.361	2.325	2.112431526	0	1944.043841	2	972.5262451	0.706246611	43.31082075
													TFIAIKPDGVQR	3	2	2xTMT6plex [N-Term; K6]	1.91	1.419	2.389	0.768114805	0	1803.089275	3	601.7017212	0.740647863	62.66632516
													GLVGEIIK	4	2	2xTMT6plex [N-Term; K8]	1.927	1.967	2.221	1.855106592	0	1286.844794	2	643.927002	1.502105195	76.11076487
													FMQASEDLLK	5	2	2xTMT6plex [N-Term; K10]	1.942	1.753	1.739	1.631515384	0	1639.91295	3	547.3096924	0.959708524	84.53299436
													FMQASEDLLK	1	2	2xTMT6plex [N-Term; K10]; 1xOxidation [M2]	-	2.015	-	0.8702268	0	1655.907865	2	828.456604	-1.167741411	68.40709162
													EHYVDLK	3	2	2xTMT6plex [N-Term; K7]	2.039	2.192	2.173	2.002190828	0	1361.782922	3	454.5990601	-0.216902572	44.21460753
													DRPFFAGLVK	2	2	2xTMT6plex [N-Term; K10]	-	1.569	1.601	1.007983804	0	1607.967369	3	536.6613159	1.259692171	75.7091361
													GDFCIQVGR	4	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	2.045	-	1.413244843	0	1280.661872	2	640.8349609	0.603676128	57.61470402
66392203	NME1-NME2	NME1-NME2 protein	54.68164794	11	54	5	267	30.118	8.92	2.013	2.067	2.026														
													DRPFFPGLVK	3	1	2xTMT6plex [N-Term; K10]	1.505	1.565	1.602	1.406927943	0	1633.983019	3	545.333313	1.44842071	75.04483629
													QHYIDLK	5	1	2xTMT6plex [N-Term; K7]	2.038	2.117	2.035	1.782519102	0	1374.814557	3	458.942627	-0.894070127	48.89663981
													TFIAIKPDGVQR	3	2	2xTMT6plex [N-Term; K6]	1.91	1.419	2.389	0.768114805	0	1803.089275	3	601.7017212	0.740647863	62.66632516
													GLVGEIIK	4	2	2xTMT6plex [N-Term; K8]	1.927	1.967	2.221	1.855106592	0	1286.844794	2	643.927002	1.502105195	76.11076487
													FMQASEDLLK	5	2	2xTMT6plex [N-Term; K10]	1.942	1.753	1.739	1.631515384	0	1639.91295	3	547.3096924	0.959708524	84.53299436
													FMQASEDLLK	1	2	2xTMT6plex [N-Term; K10]; 1xOxidation [M2]	-	2.015	-	0.8702268	0	1655.907865	2	828.456604	-1.167741411	68.40709162
													EHYVDLK	3	2	2xTMT6plex [N-Term; K7]	2.039	2.192	2.173	2.002190828	0	1361.782922	3	454.5990601	-0.216902572	44.21460753

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DRPFFAGLVK	2	2	2xTMT6plex [N-Term; K10]	-	1.569	1.601	1.007983804	0	1607.967369	3	536.6613159	1.259692171	75.7091361
													GDFCIQVGR	4	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	2.045	-	1.413244843	0	1280.661872	2	640.8349609	0.603676128	57.61470402
													YMNSGPVVAMVWEGLNVVK	2	1	2xTMT6plex [N-Term; K19]	2.07	-	2.185	1.886905432	0	2551.381693	3	851.1329956	1.074106792	103.5172223
													YMNSGPVVAMVWEGLNVVK	4	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M]	1.357	1.034	1.964	1.472337246	0	2567.376608	3	856.4638062	0.100139976	101.7260487
													NIIHGSDSVK	15	1	2xTMT6plex [N-Term; K10]	2.16	2.209	2.062	2.500909805	0	1527.889513	3	509.9688721	1.669257441	39.95052624
													EISLWFKPEELVDYK	3	1	3xTMT6plex [N-Term; K7; K15]	2.258	1.964	2.239	1.191623926	0	2583.467738	3	861.8245239	-3.375204779	96.85844152
10835073	NMT1	glycylpeptide N-tetradecanoyltransferase 1	19.95967742	7	17	7	496	56.77	7.8	1.192	1.183	1.224														
													LGEVVNTHGPVEPDK	3	1	2xTMT6plex [N-Term; K15]	1.536	1.443	1.436	1.491481781	0	2049.138075	3	683.7193604	2.660842992	54.67516182
													GSETDSAQDQPVK	3	1	2xTMT6plex [N-Term; K13]	1.396	1.344	1.356	1.963239551	0	1819.943792	3	607.3195801	0.216877234	33.36772076
													GGLSPANDTGAK	3	1	2xTMT6plex [N-Term; K12]	1.137	1.109	1.281	1.600095749	0	1545.863692	2	773.4360352	0.712891121	41.00573909
													LVGFISAIPANIHIYDTEK	2	1	2xTMT6plex [N-Term; K19]	-	1.45	1.438	1.159786105	0	2559.458681	3	853.8237305	-0.798166333	97.3753521
													DIPVVHQLLTR	2	1	1xTMT6plex [N-Term]	1.538	1.566	-	1.609766006	0	1519.915778	3	507.309845	-0.524073703	72.94431274
													AIELFSVGQGPAK	3	1	2xTMT6plex [N-Term; K13]	0.891	0.886	0.898	2.431413174	0	1775.046741	3	592.3529053	-1.45279537	84.51214221
													FGIGDGNLQYYLYNWK	1	1	2xTMT6plex [N-Term; K16]	-	-	1.484	0.991784215	0	2409.264338	3	803.7612915	2.068188052	98.68158257
51944971	NOMO2	nodal modulator 2 isoform 1 precursor	0.631412786	1	1	1	1267	139.351	5.76	-	-	1.877														
													VVLSSQDK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.877	0.642820776	0	1333.809137	2	667.4089355	1.092700379	48.61390433
34932414	NONO	non-POU domain-containing octamer-binding protein isoform 1	1.486199575	1	1	1	471	54.197	8.95	-	-	0.771														
													RQQEGFK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.771	1.499417424	1	1350.789405	3	450.9349365	0.630483412	31.67411666
31317301	NOS1AP	carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein	4.743083004	1	1	1	506	56.115	6.3	-	1.259	-														
													FLPPEDTPPPAQGEALLGGLELIK	1	1	2xTMT6plex [N-Term; K24]	-	1.259	-	0.941801846	0	2960.674881	4	740.9260864	2.578690141	72.26237262
5453678	NPC2	epididymal secretory protein E1 precursor	50.33112583	6	11	6	151	16.559	7.65	0.74	0.797	0.831														
													EVNVSPCPTQPCQLSK	1	1	2xTMT6plex [N-Term; K16]; 2xCarbamidomethyl	1.565	-	-	1.540840149	0	2302.193559	3	768.071228	2.420383816	56.5982542
													LVVEWQLQDDK	2	1	2xTMT6plex [N-Term; K11]	0.526	-	0.849	1.947603822	0	1831.036571	3	611.0134888	-5.820468896	87.45956137
													SGINCPIQK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.997	-	0.823	1.37351501	0	1474.845205	2	737.9266357	0.535394747	46.99965686
													TYSYLNK	1	1	2xTMT6plex [N-Term; K7]	0.585	-	-	0.998112023	0	1346.772023	3	449.5952148	-0.692016714	52.22900878
													DCGSVDGVIK	4	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.813	0.853	0.843	1.551863074	0	1507.81905	2	754.4135742	0.545030586	51.56578683
													AVVHGILMGVPVPFPIPEPDGCK	1	1	2xTMT6plex [N-Term; K23]; 1xOxidation [M8];	-	0.743	-	0.828773856	0	2903.592749	4	726.6546021	1.318801725	96.68322122
47155554	NPEPL1	probable aminopeptidase NPEPL1 isoform 1	2.868068834	1	1	1	523	55.825	6.87	-	-	0.997														
													ELGIIPTIIRDEELK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.997	0.836961746	1	2197.320791	3	733.1117554	-0.035418915	94.28018483
158937236	NPEPPS	puromycin-sensitive aminopeptidase	18.71599565	15	42	15	919	103.211	5.72	1.728	1.768	1.805														
													QADMQEEK	2	1	2xTMT6plex [N-Term; K8]	1.824	-	1.384	1.560933948	0	1436.74555	2	718.8762207	-0.268414786	32.44905609
													LSVEGFAVDK	2	1	2xTMT6plex [N-Term; K10]	1.492	0.923	-	0.923717022	0	1522.888116	2	761.9490967	1.839392761	77.14296579
													VLGATLLPDLIQK	6	1	2xTMT6plex [N-Term; K13]	1.721	1.691	1.77	1.216923714	0	1839.171942	2	920.0905151	0.985129991	99.12687489
													LGLQNDLFSLAR	1	1	1xTMT6plex [N-Term]	1.382	-	-	1.011118054	0	1575.905607	2	788.4561768	-0.336640959	92.37130366
													ETALLIDPK	3	1	2xTMT6plex [N-Term; K9]	1.75	1.727	-	1.578562498	0	1457.897952	2	729.4526367	0.030754896	72.46590092
													AFFESHPAPSAER	3	1	1xTMT6plex [N-Term]	1.654	1.74	1.725	1.448080063	0	1674.843735	3	558.9519653	-1.428583369	47.58787942
													FALEVAAK	1	1	2xTMT6plex [N-Term; K8]	1.728	-	-	1.215200305	0	1306.813494	2	653.9100952	-0.444118702	73.95170668
													DYFNVPYPLPK	3	1	2xTMT6plex [N-Term; K11]	1.706	-	1.778	1.716911554	0	1811.014379	3	604.3407593	-3.674210458	90.75565694
													TIQQCCENILLNAAWLK	3	1	2xTMT6plex [N-Term; K17]; 2xCarbamidomethyl	1.042	1.955	1.749	2.262303352	0	2533.367106	3	845.1281738	1.129707719	97.00366246
													AGIISTVEVLK	6	1	2xTMT6plex [N-Term; K11]	1.855	1.797	1.931	2.026745558	0	1588.008565	3	530.0073853	-0.606097664	84.48742805
													VTLSFPSTLQTGTGTLK	2	1	2xTMT6plex [N-Term; K17]	1.607	1.504	-	1.050216198	0	2209.284405	3	737.1003418	0.935583766	90.74940549
													KPYPDDENLVEVK	3	1	3xTMT6plex [N-Term; K1; K13]	1.575	1.656	1.476	1.738147259	0	2233.26831	3	745.0935059	-1.050456797	61.59847693
													IDFVGELNDK	5	1	2xTMT6plex [N-Term; K10]	1.917	1.946	1.997	1.689419508	0	1607.904494	3	536.6400146	0.619971719	80.29323033
													ATFDISLVVPK	1	1	2xTMT6plex [N-Term; K11]	-	2.097	-	0.818131149	0	1648.008565	3	550.006958	-1.361780885	93.99976023
													YTTPSGEVR	1	1	1xTMT6plex [N-Term]	-	1.714	-	1.662176251	0	1238.657832	2	619.8328857	0.534921233	32.71095948
157426879	NPLOC4	nuclear protein localization protein 4 homolog	2.960526316	1	2	1	608	68.077	6.38	2.673	2.466	-														
													VFGAPNVVEDEIDQYLSK	2	1	2xTMT6plex [N-Term; K18]	2.673	2.466	-	2.24421978	0	2481.327726	3	827.7828369	2.511188716	100.2360114
10835063	NPM1	nucleophosmin isoform 1	34.3537415	9	36	9	294	32.555	4.78	0.999	0.904	0.893														
													MTDQEAIQDLWQWR	4	1	1xTMT6plex [N-Term]	0.848	-	0.861	2.396444082	0	2049.006126	3	683.6703491	-4.700701768	94.27228591
													MTDQEAIQDLWQWR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	0.73	0.719	0.747	1.745641351	0	2065.001041	3	689.0010376	-6.044227961	89.6715277
													MSVQPTVSLGGFEITPPVVLR	6	1	1xTMT6plex [N-Term]	1.119	1.161	1.155	2.443976402	0	2456.378433	2	1228.693604	0.60970298	98.64885309
													MSVQPTVSLGGFEITPPVVLR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	1.189	1.195	1.279	1.818660021	0	2472.373348	3	824.7952271	-0.89786102	97.14361706
													VTLATLK	2	1	2xTMT6plex [N-Term; K7]	1.003	-	1.008	1.117836714	0	1203.807681	2	602.4076538	0.291107287	67.16118095
													DELHIVEAEAMNYEGSPIK	4	1	2xTMT6plex [N-Term; K19]	1.004	1.22	0.97	1.432922482	0	2603.342724	4	651.5882568	-4.427779002	82.03721929
													RSAPGGGSK	1	1	2xTMT6plex [N-Term; K9]	0.802	-	-	1.823421478	1	1274.758105	3	425.5911865	0.707405044	20.82447808
													TVSLGAGAK	3	1	2xTMT6plex [N-Term; K9]	1.032	1.082	-	1.811147809	0	1261.788008	2	631.3969727	-1.061198467	48.49988643
													VDNDENEHQLSLR	5	1	1xTMT6plex [N-Term]	1.136	1.105	1.073	2.621650219	0	1797.89287	3	599.9688721	-0.449030682	40.76077681
													GPSSVEDIK	2	1	2xTMT6plex [N-Term; K9]	-	0.609	0.617	1.270788074	0	1389.798966	2	695.4031372	0.022718439	55.64187257
													SAPGGGSK	1	1	2xTMT6plex [N-Term; K8]	-	0.632	-	0.665953577	0	1118.656994	2	559.8323364	0.359932995	25.30360846
4505415	NQO1	NAD(P)H dehydrogenase [quinone] 1 isoform a	22.62773723	6	14	6	274	30.848	8.88	1.944	1.899	1.85														
													ALIVLAHSER	2	1	1xTMT6plex [N-Term]	1.62	-	1.611	1.157974243	0	1337.810251	3	446.6086121	0.77166522	52.86682815
													EGHLSPDIVAEQK	5	1	2xTMT6plex [N-Term; K13]	2.136	2.051	1.954	1.773678064	0	1881.048198	3	627.6899414	3.760221965	84.01216761
													EAAAAALK	3	1	2xTMT6plex [N-Term; K8]	1.978	1.894	1.831	1.530243397	0	1202.750894	2	601.8792725	0.311246391	47.3233316
													EVQDEEK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.817	1.719937205	0	1334.720382	2	667.8637695	-0.089237792	32.93426513
													DPANFQYPAESVLAYK	2	1	2xTMT6plex [N-Term; K16]	1.887	1.296	-	1.528825879	0	2271.206155	3	757.737793	-3.227013864	85.53179383
													IQILEGWK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.862	1.072290182	0	1444.892807	2	722.9504395	0.55034965	91.05710894
11863132	NR1I2	nuclear receptor subfamily 1 group I member 2 isoform 2	3.382663848	1	1	1	473	53.864	8.44	-	-	-														
													FNTVFNAETGTWECGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	-	0.626001894	0	2117.991204	2	1059.5	0.717198446	33.08578736
7019333	NRBP1	nuclear receptor-binding protein	7.85046729	3	5	3	535	59.807	5.08	1.189	-	1.083														
													LTSLLEETLNK	3	1	2xTMT6plex [N-Term; K11]	1.189	-	1.171	1.185905695	0	1719.030423	3	573.6811523	-0.883503125	96.87568389
													ELLFHPALFEVPSLK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.987	0.947402537	0	2198.298933	3	733.4378662	0.05105894	97.03529117
													AVFDNLIQLEHLNIVK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.915	1.662514687	0	2324.374223	3	775.4633179	0.506425889	97.75504851

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
81158226	NRCAM	neuronal cell adhesion molecule isoform A precursor	1.917177914	3	3	3	1304	143.8	5.66	0.503	-	0.816														
													ENIVIQCEAK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl [C7]	0.496	-	-	1.293272018	0	1661.929663	2	831.4689941	0.6309721	52.99553496
													ASEPDK	1	1	2xTMT6plex [N-Term; K6]	0.505	-	-	0.927176595	0	1104.63011	2	552.8185425	-0.273203727	28.02393814
													QPEYAVVQR	1	1	1xTMT6plex [N-Term]	-	-	0.816	0.943517327	0	1318.731666	2	659.8691406	-0.501459104	40.03950194
156071450	NRDC	nardilysin isoform a	0.984413454	1	1	1	1219	139.325	5	-	1.358	-														
													KIEEFLSSFEEK	1	1	3xTMT6plex [N-Term; K1; K12]	-	1.358	-	1.641304851	1	2173.235948	3	725.081665	-2.533407759	92.98318154
116006955	NRG1	pro-neuregulin-1, membrane-bound isoform isoform HRG-beta1	1.395348837	1	2	1	645	71.112	8.56	0.582	0.485	-														
													SQESAAGSK	2	1	2xTMT6plex [N-Term; K9]	0.582	0.485	-	1.356156826	0	1322.731615	2	661.8684692	-1.476560638	25.92475848
182508169	NRP1	neuropilin-1 isoform a precursor	1.73347779	1	4	1	923	103.041	5.88	1.122	1.2	1.121														
													IAPPPVVSSGPFLFIK	4	1	2xTMT6plex [N-Term; K16]	1.122	1.2	1.121	1.844812393	0	2127.298205	3	709.770752	-0.236121398	101.4321122
41872562	NRP2	neuropilin-2 isoform 1 precursor	1.074113856	1	1	1	931	104.764	5.17	1.23	-	-														
													LISPPVHLPR	1	1	1xTMT6plex [N-Term]	1.23	-	-	1.089883924	0	1357.851722	3	453.2885742	-0.406600913	65.79216924
193211614	NSDHL	sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	1.876675603	1	1	1	373	41.874	8.06	-	0.711	-														
													DSTLGGK	1	1	2xTMT6plex [N-Term; K7]	-	0.711	-	1.217368126	0	1135.672309	2	568.340332	0.94936056	32.31082695
332078466	NSFL1C	NSFL1 cofactor p47 isoform d	22.04301075	6	11	6	372	40.791	5.15	1.09	1.239	1.192														
													LGAAPEEESAYVAGEK	2	1	2xTMT6plex [N-Term; K16]	0.918	-	1.261	1.475745082	0	2079.101021	2	1040.05188	-2.182656989	61.82398996
													ELADESQTLK	3	1	2xTMT6plex [N-Term; K10]	1.29	1.237	1.281	1.800592184	0	1591.894323	2	796.451416	0.774153932	51.97725243
													EANLLNAVIVQR	1	1	1xTMT6plex [N-Term]	1.192	-	-	1.171245456	0	1568.932156	2	784.9688721	-1.076515239	77.98247459
													SGQQIVGPPR	2	1	1xTMT6plex [N-Term]	1.083	-	1.135	0.899335802	0	1267.732	2	634.3700562	0.658967895	36.59249898
													LGSTAPQVLSTSSPAQQAENEAK	2	1	2xTMT6plex [N-Term; K23]	0.829	1.246	-	2.020142078	0	2772.477972	3	924.828125	-2.939785305	65.84322689
													SGFSLDNGELR	1	1	1xTMT6plex [N-Term]	-	-	1.152	1.052326441	0	1423.737873	2	712.3716431	-1.309157551	55.79542303
39995082	NSUN2	tRNA (cytosine(34)-C(5))-methyltransferase isoform 1	1.303780965	1	2	1	767	86.416	6.77	1.166	1.334	-														
													GAEQLAEGGR	2	1	1xTMT6plex [N-Term]	1.166	1.334	-	1.46997726	0	1216.64833	2	608.8277588	-0.07336703	31.27685028
7657033	NT5C	5'(3')-deoxyribonucleotidase, cytosolic type isoform 1	12.43781095	1	1	1	201	23.368	6.64	-	1.81	-														
													VASVYEAPGFFLDLEPIPGALDAVR	1	1	1xTMT6plex [N-Term]	-	1.81	-	2.936284781	0	2875.544312	3	959.1862793	-0.009472772	104.3846582
197276664	NT5C2	cytosolic purine 5'-nucleotidase	3.20855615	1	1	1	561	64.928	6.14	-	1.324	-														
													TFLVIPELAQELHVWTDK	1	1	2xTMT6plex [N-Term; K18]	-	1.324	-	1.32963109	0	2597.474331	3	866.4959106	-0.443664214	104.3248511
38570156	NT5DC1	5'-nucleotidase domain-containing protein 1	7.032967033	2	6	2	455	51.812	6.35	0.812	0.897	0.851														
													SQRPEESEPLEK	3	1	2xTMT6plex [N-Term; K12]	0.852	0.936	0.888	2.140482664	0	1887.022377	3	629.6798096	1.324049448	35.16581172
													YNLPESAPLIYNSFAQFLVK	3	1	2xTMT6plex [N-Term; K20]	0.655	0.696	0.69	1.959379315	0	2772.53766	3	924.8480225	-2.937895959	104.6705104
4505467	NT5E	5'-nucleotidase isoform 1 preproprotein	6.968641115	3	4	3	574	63.327	7.03	0.528	0.272	0.626														
													VLPVGDEVVGIVGYTSK	1	1	2xTMT6plex [N-Term; K17]	0.528	-	-	1.042744875	0	2190.278592	3	730.7647095	0.449088062	95.16723018
													LEQTSEDSSK	2	1	2xTMT6plex [N-Term; K10]	-	0.272	0.549	1.130330801	0	1581.837202	2	791.4230957	1.082744955	40.95684415
													IIALGHSGFEMDK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.667	1.558619738	0	1876.040276	3	626.0195313	2.006758623	76.08801858
20070228	NUCB1	nucleobindin-1 precursor	41.64859002	18	44	18	461	53.846	5.25	0.461	0.463	0.56														
													EVDTSEK	2	1	2xTMT6plex [N-Term; K7]	0.476	0.453	-	1.734882712	0	1265.698918	2	633.3533325	0.37177804	32.26014696
													ELDFVSHHVR	2	1	1xTMT6plex [N-Term]	0.5	0.486	-	1.41752398	0	1467.790578	3	489.9357605	1.465136903	43.56392295
													DLELLIQTATR	4	1	1xTMT6plex [N-Term]	0.51	-	0.596	1.363872766	0	1501.878724	2	751.4450684	2.753983184	92.9738982
													APAAHPEGQLK	6	1	2xTMT6plex [N-Term; K11]	0.458	0.395	0.518	1.83485651	0	1576.921147	2	788.9648438	0.801479517	35.84981918
													EVWEELDGLDPNRFNPK	1	1	2xTMT6plex [N-Term; K17]	0.452	-	-	1.203495741	1	2516.318559	4	629.8352661	0.268588062	90.2678391
													RFEEELAAR	3	1	1xTMT6plex [N-Term]	0.583	0.556	0.569	1.896599531	1	1349.73748	3	450.5837402	-0.601670241	39.39588252
													RELQQAVLHMEQR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	-	-	0.986	0.862101376	1	1883.01188	4	471.5089111	1.027200768	37.07867737
													LQAANAEDIK	2	1	2xTMT6plex [N-Term; K10]	0.395	0.863	-	1.959841371	0	1530.889178	3	510.9685669	1.286365873	58.70387077
													LVTLEEFLASTQR	5	1	1xTMT6plex [N-Term]	0.467	0.617	0.494	1.978427291	0	1735.979166	2	868.4938965	0.77776207	99.77350119
													QQQQQQQGHK	2	1	2xTMT6plex [N-Term; K10]	-	0.275	0.268	1.682088614	0	1695.929086	3	565.9810791	-0.236911623	17.48876229
													FHPDTDDVPVPAPAGDQK	7	1	2xTMT6plex [N-Term; K18]	0.497	0.507	0.53	2.149661303	0	2364.223596	4	591.8112183	-0.23373133	61.51880611
													MDAEQDPNVQVDHLNLLK	1	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M1]	0.482	-	-	1.176132679	0	2553.338308	3	851.7827759	-1.775653178	69.92137814
													NVDTNQDR	1	1	1xTMT6plex [N-Term]	-	0.381	-	1.229557037	0	1190.596295	2	595.8015747	-0.354314842	22.97030712
													YLESLGEEQR	1	1	1xTMT6plex [N-Term]	-	0.543	-	1.025079131	0	1452.753189	2	726.8789673	-1.742312257	56.23697753
													LLERLPEVEVPQHL	2	1	1xTMT6plex [N-Term]	0.293	0.327	-	1.047486782	1	1901.105764	3	634.3724365	-1.581868692	82.12527975
													LVTLEEFLASTQRK	2	1	2xTMT6plex [N-Term; K14]	-	0.313	0.315	1.360044241	1	2093.237061	4	524.0645752	-0.281969377	96.21247738
													VNVPGSQAQLK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.506	0.752386749	0	1598.963012	2	799.9857178	0.717425523	52.75258787
													YLESLGEEQRK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.538	1.025359273	1	1810.011084	3	604.0088501	0.504407391	49.9367661
4826870	NUCB2	nucleobindin-2 precursor	4.761904762	2	3	2	420	50.191	5.12	-	0.828	0.928														
													AATSDLEHYDK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.018	1.418956041	0	1707.895386	3	569.9716797	2.986232379	45.17165732
													LVTLEEFLK	2	1	2xTMT6plex [N-Term; K9]	-	0.828	0.627	1.68083477	0	1549.960552	2	775.4832153	-0.90207195	99.74389259
56118310	NUCKS1	nuclear ubiquitous casein and cyclin-dependent kinase substrate 1	22.63374486	5	15	5	243	27.28	5.08	0.797	0.85	0.666														
													ATVTPSPVK	3	1	2xTMT6plex [N-Term; K9]	0.387	0.607	0.39	1.414095521	0	1357.845523	2	679.4260864	-0.461251613	46.3309697
													TSTSPPPEK	2	1	2xTMT6plex [N-Term; K9]	-	0.829	0.765	0.986942589	0	1401.798966	2	701.4023438	-1.109531422	42.37524933
													NSQEDSEDSEDK	6	1	2xTMT6plex [N-Term; K12]	0.944	0.9	0.904	2.049341202	0	1840.844866	2	920.9246826	-1.508761372	26.54135236
													DDSHSAEDSEDEK	3	1	2xTMT6plex [N-Term; K13]	1.644	1.706	1.682	1.489819288	0	1921.86633	3	641.2931519	-0.742707009	24.08619895
													EEDEEPESPPEK	1	1	2xTMT6plex [N-Term; K12]	-	0.811	-	1.706694841	0	1872.911489	2	936.9620972	2.898517079	40.99106449
5729953	NUDC	nuclear migration protein nudC	32.02416918	10	27	10	331	38.219	5.38	1.603	1.988	1.847														
													DAENHEAQLK	3	1	2xTMT6plex [N-Term; K10]	1.872	2.002	1.934	1.627096295	0	1612.869505	3	538.2955933	1.687207271	30.99945604
													NGSLDSPGK	2	1	2xTMT6plex [N-Term; K9]	1.77	-	1.89	1.614803195	0	1332.75235	2	666.8806763	1.294695944	35.23481061
													QDTEEDEEEDEK	3	1	2xTMT6plex [N-Term; K12]	-	2.061	1.993	1.775066614	0	1953.881311	2	977.4442749	-0.019364182	30.55590564
													VEESSWLIEDGK	4	1	2xTMT6plex [N-Term; K12]	1.363	2.068	1.785	1.48963058	0	1849.994765	2	925.4981079	-3.149230364	75.25928672
													GQPAIIDGELYNEVK	7	1	2xTMT6plex [N-Term; K15]	1.706	1.628	1.473	1.506699324	0	2104.169041	3	702.0617065	0.724874702	77.83288781
													VVTVHLEK	1	1	2xTMT6plex [N-Term; K8]	0.86	-	-	1.336659789	0	1382.877157	2	691.9420166	-0.289575161	54.93961818
													ELTDEEAER	1	1	1xTMT6plex [N-Term]	-	-	2.505	1.862517595	0	1320.648055	2	660.8276367	-0.044313472	35.3150695
													SETSGPQIK	1	1	2xTMT6plex [N-Term; K9]	-	2.248	-	1.151033998	0	1404.809865	2	702.9085083	-0.089171098	38.81241605
													SMGLPTSDEQK	2	1	2xTMT6plex [N-Term; K11]	-	2.202	2.18	1.42158854	0	1650.877293	2	825.9437256	1.745606344	51.21506211

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LVSSDPEINTK	3	1	2xTMT6plex [N-Term; K11]	-	1.985	1.763	1.525572181	0	1660.952172	2	830.980835	1.337216033	60.82492566
189571677	NUDCD1	nudC domain-containing protein 1 isoform 1	9.262435678	4	6	4	583	66.713	5.11	1.309	1.227	0.937														
													LSLEPLPCYQLELDAAVAEVK	1	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	1.336	-	-	1.741392255	0	2816.551989	3	939.5233765	1.273519731	101.5137252
													DHQFLEGK	2	1	2xTMT6plex [N-Term; K8]	1.307	1.281	-	1.004613519	0	1431.799635	3	477.9386902	1.314671826	43.25138939
													NEGLTWPELVIGDK	2	1	2xTMT6plex [N-Term; K14]	-	1.057	1.02	1.250887632	0	2029.137013	3	677.0488281	-2.504338035	94.75998595
													DSAQCAAIAER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.847	1.21722424	0	1420.705193	2	710.8564453	0.296060718	32.03915492
122939165	NUDCD3	nudC domain-containing protein 3	2.493074792	1	2	1	361	40.797	5.25	1.538	1.387	-														
													TVSAAAAEK	2	1	2xTMT6plex [N-Term; K9]	1.538	1.387	-	1.451576829	0	1305.777837	2	653.3934326	1.341510267	37.44361992
40288278	NUDT1	7,8-dihydro-8-oxoguanine triphosphatase isoform p22	3.351955307	1	1	1	179	20.283	5.02	-	1.311	-														
													FHGYFK	1	1	2xTMT6plex [N-Term; K6]	-	1.311	-	0.91525948	0	1256.7192	3	419.5783386	1.004718588	50.35290338
22219465	NUDT2	bis(5'-nucleosyl)-tetraphosphatase [asymmetrical]	15.6462585	2	2	2	147	16.819	5.35	1.331	1.093	-														
													WLGLEEACQLAQFK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.331	-	-	2.241963387	0	2151.167267	3	717.7265625	-0.991605828	96.5146763
													LSHEHQAYR	1	1	1xTMT6plex [N-Term]	-	1.093	-	1.515328169	0	1369.717413	3	457.2440796	0.199084518	30.01022387
5901926	NUDT21	cleavage and polyadenylation specificity factor subunit 5	3.964757709	1	3	1	227	26.211	8.82	1.041	1.158	0.957														
													LFLVQLQEK	3	1	2xTMT6plex [N-Term; K9]	1.041	1.158	0.957	1.58501184	0	1575.987436	3	525.9984741	-4.166636465	92.83311973
37594464	NUDT5	ADP-sugar pyrophosphatase	27.85388128	5	10	5	219	24.312	4.94	1.028	1.021	0.865														
													LDALVAEEHLTVDAR	1	1	1xTMT6plex [N-Term]	-	-	1.08	1.171578407	0	1881.027907	3	627.6791382	-2.68251162	77.26231925
													TTYMDPTGK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M4]	-	-	0.738	0.774141848	0	1487.781602	3	496.5983276	-0.787965009	38.51084419
													QYIISEELISEGK	3	1	2xTMT6plex [N-Term; K13]	1.249	0.997	1.119	2.174648762	0	1967.110129	2	984.0546265	-4.144658802	80.00960829
													EQTADGVAVIPVLQR	4	1	1xTMT6plex [N-Term]	0.915	0.969	1.049	2.005528927	0	1825.038078	3	609.0180054	0.758824322	75.76280774
													ELEEETGYK	1	1	2xTMT6plex [N-Term; K9]	-	1.177	-	1.676228523	0	1555.825575	2	778.4145508	-2.410204306	47.0915393
57634534	NUP205	nuclear pore complex protein Nup205	0.347912525	1	1	1	2012	227.775	6.21	-	2.313	-														
													LLDFILK	2	1	2xTMT6plex [N-Term; K7]	-	2.313	-	1.145109653	0	1319.870281	2	660.4381714	-0.920277227	100.9029844
5031985	NUTF2	nuclear transport factor 2	29.92125984	3	5	3	127	14.469	5.38	1.299	1.251	1.237														
													LSSLPFQK	1	1	2xTMT6plex [N-Term; K8]	-	1.253	-	0.838086843	0	1377.850608	3	459.9557495	1.514928501	75.07175556
													NINDAWVCTNDMFR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.299	-	1.323	1.252955914	0	1984.920682	3	662.3114014	-0.519516194	80.97916283
													ADEDPIMGFHQMFLLK	2	1	2xTMT6plex [N-Term; K16]	-	1.243	1.206	1.1517663	0	2350.233966	3	784.0858765	3.876126659	94.51912523
33149331	NXN	nucleoredoxin isoform 1	3.67816092	1	1	1	435	48.362	4.97	-	1.19	-														
													ISNIPSLIFLDATTGK	1	1	2xTMT6plex [N-Term; K16]	-	1.19	-	0.849097073	0	2148.268027	2	1074.638062	0.381491911	101.2793393
33286446	OGFR	opioid growth factor receptor	6.203840473	3	5	3	677	73.28	4.84	0.985	0.994	1.003														
													SSQEIQER	1	1	1xTMT6plex [N-Term]	0.891	-	-	0.729713142	0	1205.632346	2	603.3193359	-0.788411992	22.74257228
													VEEEGSPGDPDHEASTQGR	1	1	1xTMT6plex [N-Term]	0.911	-	-	0.692590892	0	2226.010813	3	742.6749878	-0.180925039	29.11366706
													AGHSENGVEEDTEGR	3	1	1xTMT6plex [N-Term]	1.182	0.994	1.003	1.709765792	0	1815.830664	3	605.9482422	-0.270166987	23.6866857
58761500	OLA1	obg-like ATPase 1 isoform 1	21.96969697	8	18	8	396	44.715	7.81	1.642	1.613	1.34														
													IGIVGLPNVGK	3	1	2xTMT6plex [N-Term; K11]	1.562	1.916	1.933	2.020145893	0	1524.98777	2	762.9935913	-5.156797298	88.65910575
													IPAFLNVVDIAGLVK	4	1	2xTMT6plex [N-Term; K15]	1.532	1.677	1.53	1.746851206	0	2027.266905	3	676.4264526	-1.035941463	106.6478701
													FYHDWNDK	1	1	2xTMT6plex [N-Term; K8]	-	1.564	-	1.043007135	0	1582.805449	3	528.2729492	-0.729201274	52.29554205
													EEGSENAVK	4	1	2xTMT6plex [N-Term; K9]	1.618	1.564	-	2.006648779	0	1420.768394	2	710.8878784	0.060450344	31.004571
													APQAAGK	2	1	2xTMT6plex [N-Term; K7]	-	0.88	0.83	1.685802817	0	1100.682814	2	550.8451538	0.196738956	32.0319645
													NYIVEDGDIIFFK	1	1	2xTMT6plex [N-Term; K13]	1.526	-	-	1.169364691	0	2031.1203	2	1016.064209	0.414174754	94.56396702
													YDPGALVIPFSGALELK	2	1	2xTMT6plex [N-Term; K17]	1.873	2.01	-	2.208767653	0	2248.299327	3	750.1049805	0.47198175	100.9834184
													IHTDFEK	1	1	2xTMT6plex [N-Term; K7]	-	1.825	-	1.575373054	0	1347.767272	3	449.9272461	-0.06470609	48.38781452
52546683	OR5AC2	olfactory receptor 5AC2	2.265372168	1	1	1	309	35.281	8.94	1.893	-	-														
													VLFDILK	1	1	2xTMT6plex [N-Term; K7]	1.893	-	-	0.993218958	0	1305.854631	2	653.4313354	0.584704009	96.0748767
23592230	OR5P3	olfactory receptor 5P3	13.82636656	1	1	1	311	34.273	8.31	0.961	-	-														
													YVAICSPLLYSTCMSPGVCIILVGMSYLGGCVNAWTFIGCLLR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M14];	0.961	-	-	0.956256032	0	5117.516489	6	853.7611084	2.692413528	70.18810935
166235148	OSTF1	osteoclast-stimulating factor 1	5.607476636	1	4	1	214	23.772	5.68	-	1.532	1.651														
													GYADIVQLLLAK	4	1	2xTMT6plex [N-Term; K12]	-	1.532	1.651	2.513230562	0	1762.087878	2	881.5478516	0.311338048	103.3453458
109148508	OTUB1	ubiquitin thioesterase OTUB1	26.19926199	6	11	6	271	31.264	4.94	1.022	1.1	1.127														
													IQQEIAVQNPLVSER	2	1	1xTMT6plex [N-Term]	1.134	1.445	-	1.632064104	0	1953.096655	3	651.7044678	1.123677267	73.10567098
													EYAEDDNIYQQK	2	1	2xTMT6plex [N-Term; K12]	1.118	1.129	-	1.620638967	0	1973.985657	3	658.666748	0.017138232	49.91419311
													FFEHFIEGGR	2	1	1xTMT6plex [N-Term]	1.042	1.101	-	1.77152288	0	1467.758215	3	489.9243164	0.12328921	72.67116219
													AFGFSHLEALLDDSK	3	1	2xTMT6plex [N-Term; K15]	0.97	1.003	1.042	0.977191329	0	2108.142826	3	703.3824463	-4.762856997	93.61156372
													TRPDGNCFYR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.278	1.092353344	0	1514.737162	3	505.5843201	0.821730073	32.030703
													LLTSGYLQR	1	1	1xTMT6plex [N-Term]	-	1.082	-	0.884657323	0	1279.757152	2	640.3818359	-0.591639592	63.08627382
4826878	OXSR1	serine/threonine-protein kinase OSR1	1.707779886	1	1	1	527	57.986	6.43	-	-	1.07														
													IVEEPQSNR	1	1	1xTMT6plex [N-Term]	-	-	1.07	0.856151879	0	1300.705845	2	650.8562622	-0.459186018	38.5810351
4505537	OXT	oxytocin-neurophysin 1 preproprotein	20	2	12	1	125	12.713	5.97	3.911	2.414	1.775														
													CLPCGPGGK	4	1	2xTMT6plex [N-Term; K9]; 2xCarbamidomethyl	3.911	2.414	1.775	1.206253409	0	1403.753948	3	468.5899658	0.994783266	46.44137683
													CQEENYLPSPCQSGQK	8	2	2xTMT6plex [N-Term; K16]; 2xCarbamidomethyl	6.072	2.587	3.074	2.039573908	0	2383.142251	2	1192.073975	-0.662441048	54.60631689
342837704	P3H1	prolyl 3-hydroxylase 1 isoform 3 precursor	1.243781095	1	1	1	804	90.559	5.71	-	0.798	-														
													TAIEEVQAER	1	1	1xTMT6plex [N-Term]	-	0.798	-	1.387738109	0	1374.742624	2	687.8764038	2.114255524	42.96682866
63252886	P4HA1	prolyl 4-hydroxylase subunit alpha-1 isoform 1 precursor	17.60299625	7	10	7	534	60.929	6.01	0.575	0.615	0.539														
													LNTEWSELENLVLK	2	1	2xTMT6plex [N-Term; K14]	0.534	-	0.563	1.282273531	0	2146.215991	3	716.0776978	1.187537382	100.826324
													SASDDQSDQK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.545	0.918329	0	1538.769851	3	513.5945435	-0.50278403	23.66485154
													GVAVDYLPER	1	1	1xTMT6plex [N-Term]	0.631	-	-	1.376796722	0	1347.746982	2	674.3758545	-1.8914868	59.92996977
													SFLTAEDCFELGK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.936	-	0.601901114	0	1975.024685	2	988.0152588	-0.731394339	89.21736122
													VSVLDYLSYAVYQQGDLDK	2	1	2xTMT6plex [N-Term; K19]	-	0.452	0.484	1.592988372	0	2634.406705	3	878.807251	0.187799282	101.5131894
													LQDTYNLDTDTISK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.623	0.655848086	0	2085.111586	2	1043.057861	-1.505786919	70.11034749
													DPEGFVGHPVNAFK	2	1	2xTMT6plex [N-Term; K14]	-	0.543	0.524	2.613669395	0	1972.069268	3	658.0273438	-0.907493479	65.24124516
217272863	P4HA2	prolyl 4-hydroxylase subunit alpha-2 isoform 1 precursor	13.08411215	5	12	5	535	60.864	5.71	0.449	0.447	0.464														
													SSWLEEDDDPVVAR	1	1	1xTMT6plex [N-Term]	-	-	0.536	0.729604125	0	1846.902038	2	923.9542236	-0.469604969	66.65058853

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QFFPTDEDEIGAAK	2	1	2xTMT6plex [N-Term; K14]	-	0.694	0.642	0.877650678	0	2026.053343	2	1013.530273	-0.035756709	73.22370374
													SQVLDYLSYAVFQLGDLHR	3	1	1xTMT6plex [N-Term]	0.955	1.064	0.797	1.511780739	0	2453.302625	3	818.4386597	-0.488935234	103.4020622
													QLDAGEEATTTK	5	1	2xTMT6plex [N-Term; K12]	0.363	0.364	0.449	1.883830667	0	1721.932165	2	861.4688721	-0.985810829	44.71196451
													HAACPVLVGCK	1	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	-	-	0.388	1.288246274	0	1669.928224	3	557.3131104	-2.063463126	44.59426332
20070125	P4HB	protein disulfide-isomerase precursor	62.99212598	26	92	26	508	57.081	4.87	0.947	0.911	0.992														
													KEECPAVR	1	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	0.891	-	-	1.150698423	1	1446.813905	3	482.9427795	-0.082765968	26.53108296
													YKPESEELTAER	3	1	2xTMT6plex [N-Term; K2]	0.938	0.918	-	1.300237417	0	1910.027128	2	955.5180664	0.904810447	42.87778375
													DVESDSAK	3	1	2xTMT6plex [N-Term; K8]	0.898	0.946	0.782	1.320923805	0	1308.704731	2	654.8554077	-0.911344082	30.11133459
													DHENIVIAK	4	1	2xTMT6plex [N-Term; K9]	0.942	0.955	0.994	1.395409346	0	1496.883699	3	499.6324463	-0.610116079	45.80290973
													MDSTANEVEAVK	4	1	2xTMT6plex [N-Term; K12]	-	0.864	0.829	2.371086836	0	1751.924971	2	876.4659424	-0.207220275	56.81766007
													MDSTANEVEAVK	4	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M1]	1.096	1.044	0.971	1.429039359	0	1767.919886	3	589.9778442	-0.512871179	45.9074075
													LGETYK	1	1	2xTMT6plex [N-Term; K6]	1.005	-	-	0.895328403	0	1168.697796	2	584.8527832	0.422706582	45.9479473
													VHSFPTLK	4	1	2xTMT6plex [N-Term; K8]	0.789	0.836	0.93	1.550749302	0	1386.850942	3	462.9559631	1.726100638	59.10029252
													DGVVLFK	2	1	2xTMT6plex [N-Term; K7]	0.83	0.889	-	1.282207966	0	1235.77638	2	618.3919067	0.126573517	75.13710321
													ILFIFIDSDHTDNQR	2	1	1xTMT6plex [N-Term]	0.853	0.82	-	2.169680119	0	2063.07592	3	688.3640747	0.848689608	96.08386134
													SVSDYDGK	4	1	2xTMT6plex [N-Term; K8]	1.045	0.865	0.914	1.204712749	0	1328.709817	2	664.8585205	-0.03950778	47.90232969
													ALAPEYAK	5	1	2xTMT6plex [N-Term; K8]	0.94	0.923	1.049	1.573067904	0	1320.792759	2	660.901062	1.581378626	50.84285839
													NVFVEFYAPWCGHCK	1	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl	1.346	-	-	1.83550334	0	2372.172035	3	791.3961792	0.821562529	89.34415103
													QFLQAAEAIDDIPFGITSNSDVFSK	4	1	2xTMT6plex [N-Term; K25]	0.854	0.862	-	1.926188469	0	3171.661416	3	1057.89209	0.094742537	101.9903881
													NGDTASPK	3	1	2xTMT6plex [N-Term; K8]	-	0.919	1.04	1.897606015	0	1247.699587	3	416.5716858	0.735371765	25.90899438
													TVIDYNGER	3	1	1xTMT6plex [N-Term]	0.943	0.969	-	1.147906184	0	1295.679296	2	648.3433228	0.05627767	41.56627398
													NNFEGEVTK	5	1	2xTMT6plex [N-Term; K9]	1.032	1.023	1.043	1.557042837	0	1495.815679	2	748.4120483	0.762914645	48.52553671
													SNFAEALAAHK	4	1	2xTMT6plex [N-Term; K11]	0.843	0.871	0.872	1.960026741	0	1616.916062	3	539.6445313	1.842328165	58.46918083
													VDATEESDLAQQYGVR	4	1	1xTMT6plex [N-Term]	1.023	1.158	0.86	1.420736194	0	2009.997729	2	1005.502258	-0.243367657	62.27116096
													NFEDVAFDEK	6	1	2xTMT6plex [N-Term; K10]	0.917	0.908	0.94	1.790819168	0	1671.863023	3	557.9594116	0.393987589	69.51149047
													HNQLPLVIEFTEQTAPK	8	1	2xTMT6plex [N-Term; K17]	0.996	1.108	1.009	1.506859422	0	2423.369866	3	808.4592285	-2.778681545	87.61378195
													FLESGGQDGAGDDDDLEDLEEAEEPDMEEDDDQK	1	1	2xTMT6plex [N-Term; K34]; 1xOxidation [M27]	-	0.931	-	2.946871042	0	4231.766876	4	1058.697266	0.084184694	84.43171526
													ITEFCHR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.211	1.284	1.909460902	0	1191.614194	3	397.8764954	0.62024604	38.90704963
													QLAPIWDK	2	1	2xTMT6plex [N-Term; K8]	0.944	-	0.991	1.017852545	0	1428.861507	2	714.9364014	2.812829904	76.58770817
													LITLEEEMTK	6	1	2xTMT6plex [N-Term; K10]	0.944	0.82	1.114	1.659352183	0	1664.95448	3	555.6559448	-0.720288367	88.10532671
													LITLEEEMTK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M8]	1.401	-	-	1.284068346	0	1680.949395	2	840.9770508	-1.52921171	66.83253551
													EADDIVNWLK	2	1	2xTMT6plex [N-Term; K10]	1.048	1.081	-	1.563712478	0	1660.931043	2	830.9692993	0.168027935	90.97559607
													TGPAATTLPDGAAAESLVESSEVAVIGFFK	2	1	2xTMT6plex [N-Term; K30]	0.53	0.544	-	1.587727547	0	3393.819373	4	849.2107544	0.534750947	106.1887318
124494254	PA2G4	proliferation-associated protein 2G4	30.20304569	10	37	10	394	43.759	6.55	1.531	1.565	1.639														
													AAHLCAEAALR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.699	1.677	2.141650677	0	1411.767734	3	471.2602539	-1.080681484	38.91615123
													SEMEVQDAELK	1	1	2xTMT6plex [N-Term; K11]	0.804	-	-	1.276713967	0	1736.914072	2	868.9614868	0.935488311	54.02684844
													SEMEVQDAELK	5	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3]	1.511	1.494	1.465	1.576195955	0	1752.908987	2	876.9572754	-0.977226292	47.30004898
													SLVEASSSGVSVLSLCEK	2	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.658	-	1.78	0.976252019	0	2310.262684	3	770.7558594	-4.180821111	87.06089306
													QHVIDGEK	6	1	2xTMT6plex [N-Term; K8]	1.684	1.709	1.727	1.990470529	0	1383.799635	2	692.4031982	-0.372232809	30.89102698
													SDQDYILK	1	1	2xTMT6plex [N-Term; K8]	1.703	-	-	0.800165653	0	1439.814616	2	720.4112549	0.428434062	55.37466148
													ITSGPFEPDLYK	1	1	2xTMT6plex [N-Term; K12]	-	1.467	-	1.287926793	0	1825.014772	2	913.0119019	0.961417389	83.24683915
													TAENATSGETLEENEAGD	7	1	1xTMT6plex [N-Term]	1.447	1.333	1.232	3.313644886	0	2066.919932	2	1033.972656	8.758771793	44.33377588
													TIIQNPTDQQK	6	1	2xTMT6plex [N-Term; K11]	1.514	1.455	1.631	2.243704081	0	1744.000519	2	872.5040894	0.219432812	51.07354422
													EGEFVAQFK	4	1	2xTMT6plex [N-Term; K9]	1.574	1.474	-	1.47535181	0	1512.846251	2	756.9257813	-1.298803496	68.63388109
													HELLQPFNVLYEK	2	1	2xTMT6plex [N-Term; K13]	1.446	-	1.433	1.921931148	0	2088.189383	3	696.7333984	-1.791340159	88.01036196
46367787	PABPC1	polyadenylate-binding protein 1	22.01257862	13	16	7	636	70.626	9.5	0.981	0.814	0.946														
													EFSPFGTITSAK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.015	1.089511156	0	1742.972908	3	581.6625366	0.085430635	81.2007736
													VVCDENGSK	3	2	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.346	1.377	1.308	1.502532959	0	1465.7721	2	733.3890381	-0.887094334	35.11567032
													EFTNVYIK	1	2	2xTMT6plex [N-Term; K8]	-	-	1.035	1.384388447	0	1471.856087	2	736.4315186	-0.221971854	66.24770991
													ALYDTFSAFGNILSCK	2	2	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.169	-	-	1.091999054	0	2265.198961	2	1133.101929	-1.050917895	100.9199503
													ALDTMNFDVIK	1	2	2xTMT6plex [N-Term; K11]	-	0.887	-	1.112324595	0	1724.965714	2	862.9880371	1.787704373	89.51978354
													SLGYAYVNFQQPADAER	1	2	1xTMT6plex [N-Term]	-	-	0.848	1.457192659	0	2158.076648	3	720.0323486	2.708179268	71.56031888
													AVTEMNGR	1	2	1xTMT6plex [N-Term]	-	1.084	-	1.345484614	0	1106.582559	2	553.7952271	0.558965581	30.12464941
													VMTDESGK	1	1	2xTMT6plex [N-Term; K8]	-	1.203	-	1.195451021	0	1324.718273	2	662.8623657	-0.617704688	40.14819142
													VDEAVAVLQAHQAK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.875	1.496690869	0	1937.122031	3	646.3780518	-1.254142239	66.98448387
													NLDDGIDDER	1	1	1xTMT6plex [N-Term]	-	0.611	-	0.960752904	0	1390.664768	2	695.8355103	-0.736419165	41.47137827
													EREAELGAR	1	1	1xTMT6plex [N-Term]	-	1.329	-	1.2922194	1	1259.690529	3	420.5684509	0.214467917	34.20284805
													YQGVNLYVK	1	1	2xTMT6plex [N-Term; K9]	0.981	-	-	1.111703634	0	1541.909185	2	771.4569702	-1.635355919	65.33073838
													SGVGNIFIK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.91	0.973846853	0	1392.861507	2	696.9349365	0.782171716	71.15682276
208431833	PABPC4	polyadenylate-binding protein 4 isoform 1	13.18181818	8	11	2	660	72.345	9.35	-	1.075	1.29														
													VGSECPDR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.075	-	0.765219033	0	1148.556738	2	574.7816162	-0.681366535	35.02170176
													NLDDTIDDEK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.29	0.930552721	0	1635.847767	2	818.4263306	-1.45625237	52.39346329
													VVCDENGSK	3	2	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.346	1.377	1.308	1.502532959	0	1465.7721	2	733.3890381	-0.887094334	35.11567032
													EFTNVYIK	1	2	2xTMT6plex [N-Term; K8]	-	-	1.035	1.384388447	0	1471.856087	2	736.4315186	-0.221971854	66.24770991
													ALYDTFSAFGNILSCK	2	2	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.169	-	-	1.091999054	0	2265.198961	2	1133.101929	-1.050917895	100.9199503
													ALDTMNFDVIK	1	2	2xTMT6plex [N-Term; K11]	-	0.887	-	1.112324595	0	1724.965714	2	862.9880371	1.787704373	89.51978354
													SLGYAYVNFQQPADAER	1	2	1xTMT6plex [N-Term]	-	-	0.848	1.457192659	0	2158.076648	3	720.0323486	2.708179268	71.56031888
													AVTEMNGR	1	2	1xTMT6plex [N-Term]	-	1.084	-	1.345484614	0	1106.582559	2	553.7952271	0.558965581	30.12464941
4557741	PAFAH1B1	platelet-activating factor acetylhydrolase IB subunit alpha	10.24390244	3	5	3	410	46.608	7.37	0.944	0.804	0.832														
													VWDYETGDFER	1	1	1xTMT6plex [N-Term]	-	-	0.795	0.537192464	0	1645.769567	2	823.3879395	-0.586414872	71.03629517
													GHTDSVQDISFDHSGK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.854	0.807578027	0	2188.103481	4	547.7817383	0.750679762	47.12818137
													TAPYVVTGSVDQTVK	3	1	2xTMT6plex [N-Term; K15]	0.944	0.804	-	2.053256273	0	2023.147577	3	675.0532837	-1.126761985	65.37220439

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4505585	PAFAH1B2	platelet-activating factor acetylhydrolase IB subunit beta isoform a	8.296943231	1	1	1	229	25.553	5.92	-	1.279	-														
													ELFSPLHALNFGIGGDTTR	1	1	1xTMT6plex [N-Term]	-	1.279	-	1.118922591	0	2274.207997	3	758.7415161	0.878732221	93.42408528
13375654	PAGR1	PAXIP1-associated glutamate-rich protein 1	5.511811024	1	1	1	254	27.699	4.46	-	1.695	-														
													AEDEGEGGREETER	1	1	1xTMT6plex [N-Term]	-	1.695	-	1.470439672	1	1792.814679	3	598.2763672	-0.073151733	19.43646254
119220559	PAICS	multifunctional protein ADE2 isoform 1	4.861111111	2	4	2	432	47.928	7.69	0.841	1.025	1.185														
													DQITAGNAAR	3	1	1xTMT6plex [N-Term]	0.841	1.025	1.025	1.474418998	0	1245.674879	2	623.3411865	0.174296583	27.26206455
													EVYELLDSPGK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.226	1.936492205	0	1707.956923	3	569.9900513	-0.774446585	76.58611416
17511255	PAIP1	polyadenylate-binding protein-interacting protein 1 isoform 1	4.801670146	2	2	2	479	53.491	4.81	-	1.377	1.07														
													IENVVLDANCSR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.377	-	1.036338329	0	1618.842021	2	809.9233398	-1.617243972	62.91324669
													LTGSVLEDAWK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.07	1.330782533	0	1676.962343	2	838.9854736	0.791666927	87.57001573
32483399	PAK2	serine/threonine-protein kinase PAK 2	3.244274809	2	2	2	524	58.006	5.96	0.79	1.716	-														
													FYDSNTVK	1	1	2xTMT6plex [N-Term; K8]	0.79	-	-	1.590161443	0	1431.788402	2	716.3979492	0.153833835	51.98232971
													ELLQHPFLK	1	1	2xTMT6plex [N-Term; K9]	-	1.716	-	0.67612797	0	1582.97212	3	528.3288574	-0.063787842	67.08661116
27436910	PALB2	partner and localizer of BRCA2	1.180438449	1	1	1	1186	131.213	6.44	-	1.791	-														
													NENLQESEILSQPK	1	1	2xTMT6plex [N-Term; K14]	-	1.791	-	1.169288278	0	2087.138469	2	1044.063354	-9.121036244	54.05717081
6005709	PALM2-AKAP2	PALM2-AKAP2 protein isoform 1	1.99456029	2	3	2	1103	121.997	5.06	-	0.991	0.732														
													LFEDDEHEK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.681	1.036775589	0	1619.831723	3	540.6166992	2.359261272	50.42211681
													TAEPSPGQDGTSR	2	1	1xTMT6plex [N-Term]	-	0.991	1.213	0.997906446	0	1531.75498	2	766.3805542	-0.749566071	34.47499617
183227678	PARK7	protein deglycase DJ-1	68.78306878	10	37	10	189	19.878	6.79	1.272	1.25	1.3														
													DVVICPDASLEDAKK	1	1	3xTMT6plex [N-Term; K14; K15]; 1xCarbamidomethyl	2.015	-	-	1.420434594	1	2347.314609	3	783.1112671	1.976398696	65.88420512
													GAEEMETVIPVDVMR	4	1	1xTMT6plex [N-Term]	1.302	1.473	1.332	1.417939186	0	1904.965901	3	635.6577759	-3.740850836	84.35346054
													EGPYDVVVLPGGNLGAQNLSESAAVK	6	1	2xTMT6plex [N-Term; K26]	1.499	1.361	1.442	2.108539343	0	3042.651185	3	1014.889038	0.45207542	91.48465731
													GLIAAICAGPTALLAHEIGFGSK	4	1	2xTMT6plex [N-Term; K23]; 1xCarbamidomethyl	1.617	1.564	1.567	2.550615788	0	2725.547513	4	682.1434937	1.699353746	100.3654297
													DGLILTSR	2	1	1xTMT6plex [N-Term]	1.183	-	1.312	1.099232316	0	1103.662189	2	552.3353882	1.187226671	54.44878447
													EVAAQVK	3	1	2xTMT6plex [N-Term; K7]	1.153	1.157	1.134	1.13034451	0	1202.750894	3	401.5883179	-0.410381502	40.57175787
													GPGTSFEFALAIVEALNGK	4	1	2xTMT6plex [N-Term; K19]	0.67	0.934	0.982	1.535834551	0	2379.332418	2	1190.168701	-0.963390501	110.3697368
													VTVAGLAGK	5	1	2xTMT6plex [N-Term; K9]	-	1.4	1.363	1.105627894	0	1273.824393	2	637.4153442	-0.770407163	62.39207017
													DVVICPDASLEDAK	7	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.28	1.265	1.312	2.586760044	0	1990.056714	2	995.5318604	-0.13554733	72.605458
													VTTHPLAK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.404	0.870731115	0	1324.835292	2	662.9222412	1.444369641	41.7571449
156523968	PARP1	poly [ADP-ribose] polymerase 1	1.282051282	1	1	1	1014	113.012	8.88	-	-	0.76														
													VFSATLGLVDIVK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.76	0.965834022	0	1820.129743	3	607.3809814	-0.742581164	100.573254
315583337	PARVA	alpha-parvin	6.796116505	2	3	2	412	46.561	8.4	1.076	1.06	-														
													DLAEDLYDGQVLQK	2	1	2xTMT6plex [N-Term; K14]	1.105	1.06	-	1.148231864	0	2065.121757	3	689.0440063	-2.077735619	83.91985404
													LNVAEVTQSEIAQK	1	1	2xTMT6plex [N-Term; K14]	1.057	-	-	0.86755091	0	1988.142826	3	663.3843384	-2.195271498	74.15493869
7242167	PAX9	paired box protein Pax-9	2.346041056	1	1	1	341	36.287	9.32	-	0.752	-														
													GALEQEAK	1	1	2xTMT6plex [N-Term; K8]	-	0.752	-	2.089406252	0	1303.762187	2	652.3843384	-0.603409269	45.43727231
32306539	PBDC1	protein PBDC1 isoform 1	13.73390558	3	10	3	233	26.041	4.79	1.227	1.208	1.174														
													RADSGEEENTK	4	1	2xTMT6plex [N-Term; K11]	1.117	1.23	1.3	1.912821412	1	1693.875713	3	565.2963257	-0.760964461	21.21131827
													IDVLDPEELK	3	1	2xTMT6plex [N-Term; K10]	1.243	1.104	-	1.805556893	0	1628.95111	3	543.6522217	-5.523714545	88.72854859
													LISSVDPQFLK	3	1	2xTMT6plex [N-Term; K11]	1.247	1.381	1.14	1.874416113	0	1705.030029	2	853.0159302	-3.193467767	90.58085004
222352151	PCBP1	poly(rC)-binding protein 1	28.65168539	8	20	5	356	37.474	7.09	1.361	1.364	1.441														
													IANPVEGSSGR	2	1	1xTMT6plex [N-Term]	1.536	-	1.429	1.625894666	0	1315.716744	2	658.3617554	-0.387596962	39.20580884
													IITLTGPTNAIFK	3	1	2xTMT6plex [N-Term; K13]	1.273	1.28	-	1.15460062	0	1847.140642	2	924.0685425	-5.864940015	94.82296395
													QGANINEIR	2	1	1xTMT6plex [N-Term]	-	1.258	1.217	1.127690554	0	1243.695615	2	622.3511353	-0.499223588	36.50825613
													AITIAGVPQSVTECVK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.338	-	1.571	1.492372751	0	2131.219697	3	711.078125	0.0586284	78.24443506
													LVVPATQCGSLIGK	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	1.527	1.558	1.071009278	0	1901.129425	3	634.3804932	-1.314554274	78.0488589
													INISEGNCPER	5	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.869	1.036	1.108	2.757162333	0	1517.757957	3	506.5898438	-1.962895326	44.24043887
													QMSGAQIK	1	2	2xTMT6plex [N-Term; K8]; 1xOxidation [M2]	-	-	0.949	0.9648	0	1336.765892	2	668.8875122	1.387949882	32.92732041
													ESTGAQVQVAGDMLPNSTER	1	2	1xTMT6plex [N-Term]; 1xOxidation [M13]	-	1.009	-	1.617295742	0	2335.139719	3	779.052063	0.820839468	50.3403526
14141168	PCBP2	poly(rC)-binding protein 2 isoform a	25.40983607	7	17	4	366	38.627	6.79	1.004	1.009	0.929														
													IITLAGPTNAIFK	4	1	2xTMT6plex [N-Term; K13]	0.806	0.831	0.838	1.138037801	0	1817.130077	2	909.0693359	0.725432382	95.24720642
													IANPVEGSTDR	2	1	1xTMT6plex [N-Term]	1.202	1.176	-	1.575580478	0	1387.737873	2	694.3734131	1.207823111	43.97588628
													AITIAGIPQSIIECVK	3	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.078	1.086	1.063	1.229925752	0	2171.287382	3	724.4328613	-1.543649013	97.77957501
													LVVPASQCGSLIGK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	-	1.161	1.129300952	0	1887.113775	3	629.7092285	-0.340744227	77.21445327
													INISEGNCPER	5	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.869	1.036	1.108	2.757162333	0	1517.757957	3	506.5898438	-1.962895326	44.24043887
													QMSGAQIK	1	2	2xTMT6plex [N-Term; K8]; 1xOxidation [M2]	-	-	0.949	0.9648	0	1336.765892	2	668.8875122	1.387949882	32.92732041
													ESTGAQVQVAGDMLPNSTER	1	2	1xTMT6plex [N-Term]; 1xOxidation [M13]	-	1.009	-	1.617295742	0	2335.139719	3	779.052063	0.820839468	50.3403526
27754773	PCDH1	protocadherin-1 isoform 2 precursor	0.808407437	1	1	1	1237	133.64	5.06	-	-	0.879														
													QASETGSDSK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.879	1.174740672	0	1467.769123	2	734.3880615	-0.188131172	22.64938372
14277675	PCDHGC3	protocadherin gamma-C3 isoform 1 precursor	2.890792291	2	4	2	934	101.016	5.21	1.27	1.348	1.198														
													GANPEGAHCK	3	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.27	1.348	1.251	1.353031635	0	1498.783668	3	500.2663269	0.50698637	25.99280997
													LSFFLLEQGAETGLVGR	1	1	1xTMT6plex [N-Term]	-	-	0.776	1.259765148	0	2066.148357	3	689.3873901	-0.357897748	100.039909
134142826	PCM1	pericentriolar material 1 protein isoform 1	0.543478261	1	1	1	2024	228.392	5.02	-	-	1.263														
													LNNMDWGAQQK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.263	1.045281291	0	1762.93106	3	588.3152466	0.071929128	96.43796406
354983493	PCMT1	protein-L-isoaspartate(D-aspartate) O-methyltransferase isoform	15.38461538	3	8	3	286	30.339	6.73	1.18	1.189	1.182														
													ALDVGSGSGILTACFAR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.107	1.229	1.197	1.495850444	0	1924.015963	3	642.0106812	0.793957566	86.81544198
													LILPVGPAGGNQMLEQYDK	3	1	2xTMT6plex [N-Term; K19]	1.203	1.192	1.175	2.040226698	0	2501.383802	3	834.4644775	-1.967783916	94.69601294
													LILPVGPAGGNQMLEQYDK	1	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M13]	-	1.159	-	2.495167732	0	2517.378717	3	839.7954712	-2.723557539	88.96939947
													VIGIDHIK	1	1	2xTMT6plex [N-Term; K8]	1.181	-	-	1.555773854	0	1352.866592	3	451.6268311	-0.482276627	57.23590897
4505641	PCNA	proliferating cell nuclear antigen	40.22988506	9	18	9	261	28.75	4.69	1.201	1.183	1.211														
													SEGFDTYR	2	1	1xTMT6plex [N-Term]	1.046	-	1.099	1.288579106	0	1203.584333	2	602.2946167	-1.974295857	38.65904801
													LMDLDVEQLGIPEQEYSCVVK	1	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	0.986	-	-	0.904206574	0	2923.519703	3	975.1786499	0.579341754	97.16957004

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LMDLDVEQLGIPEQEYSCVVK	1	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M2];	1.409	-	-	0.970365345	0	2939.514618	3	980.5112305	1.537810434	93.72455453
													YYLAPK	2	1	2xTMT6plex [N-Term; K6]	1.162	-	1.194	1.074715972	0	1212.739267	2	606.8735962	0.535212168	53.20015625
													IADMGHLK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M4]	-	0.996	-	1.048102975	0	1358.786628	3	453.600647	0.559159145	41.07758883
													DLSHIGDAVVISCAK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.404	1.492	-	1.396016121	0	2043.130882	3	681.7140503	-1.607440386	71.69139617
													CAGNEDIITLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.182	1.205	1.386	1.608959198	0	1490.783444	2	745.8950806	-0.37508948	56.12600019
													LSQTSNVDK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.382	2.082378864	0	1449.831329	2	725.418335	-1.335078148	44.81302624
													AEDNADTLALVFEAPNQEK	4	1	2xTMT6plex [N-Term; K19]	1.251	1.227	-	2.110213757	0	2533.318618	2	1267.161987	-0.757986229	89.16909234
													MPSGEFAR	1	1	1xTMT6plex [N-Term]	-	0.903	-	1.646451831	0	1123.576745	2	562.2913818	-1.119868429	53.22859294
9966827	PCNP	PEST proteolytic signal-containing nuclear protein isoform a	13.48314607	2	11	2	178	18.913	7.49	0.739	0.786	0.698														
													SHLGNVHDQDN	5	1	1xTMT6plex [N-Term]	0.55	0.712	0.658	1.491840124	0	1464.702885	3	488.9058228	0.020585553	20.96520479
													TVSSSNGGESSSR	6	1	1xTMT6plex [N-Term]	0.836	0.938	0.918	2.42399168	0	1483.718594	3	495.2440796	-0.612576045	18.74914688
31317307	PCSK9	proprotein convertase subtilisin/kexin type 9 preproprotein	22.83236994	13	36	13	692	74.239	6.61	2.068	1.923	2.246														
													TVWSAHSGPTR	6	1	1xTMT6plex [N-Term]	1.905	2.007	2.187	1.858313203	0	1427.759278	3	476.5909119	-0.76712112	33.1618641
													SQLVQPVGPLVVLLPLAGGYSR	6	1	1xTMT6plex [N-Term]	3.453	2.834	3.708	1.481069922	0	2492.480196	2	1246.743164	-0.459054801	104.4099318
													CAPDEELLSCSSFSR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.109	-	1.141	0.91866374	0	1986.909843	2	993.9589233	0.366015444	65.13995401
													GTVSGTLIGLEFIRK	1	1	2xTMT6plex [N-Term; K15]	1.622	-	-	1.568356156	1	2049.247232	3	683.7546997	1.129166388	90.37000198
													MEAQGGK	2	1	2xTMT6plex [N-Term; K7]	-	1.619	0.976	1.413309336	0	1178.660364	2	589.8339233	0.174477478	40.59627174
													AHNAFGGEGVYAIAR	3	1	1xTMT6plex [N-Term]	1.589	1.779	1.809	1.841349602	0	1761.923383	3	587.9781494	-1.979471892	50.22741185
													EETHLSQSER	5	1	1xTMT6plex [N-Term]	2.245	1.769	1.812	1.858053803	0	1444.722952	3	482.2453918	-0.920102286	22.36967171
													VLNCQGK	2	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	2.688	2.684	1.460725427	0	1276.744763	2	638.8747559	-1.979973855	40.6084634
													DVINEAWFPEDQR	3	1	1xTMT6plex [N-Term]	1.287	1.583	2.576	1.618929625	0	1847.912543	3	616.6430054	1.038865875	78.08231699
													EASIHASCCHAPGLECK	2	1	2xTMT6plex [N-Term; K17]; 3xCarbamidomethyl	2.417	-	2.863	0.910199225	0	2385.151377	4	597.0429077	-0.66057888	43.91492451
													MSGDLLELALK	2	1	2xTMT6plex [N-Term; K11]	-	1.5	1.732	1.112585902	0	1647.97555	2	824.4934082	2.420840679	96.80002106
													VLNAACQR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.914	-	0.542651892	0	1160.640743	2	580.8245239	0.886063641	35.16256425
													LIHFSAK	1	1	2xTMT6plex [N-Term; K7]	-	-	3.076	0.853956699	0	1273.803264	3	425.2723083	-0.700344549	54.70766208
7657441	PDAP1	28 kDa heat- and acid-stable phosphoprotein	32.0441989	5	13	5	181	20.618	8.87	1.106	1.083	1.272														
													QYTSPEEIDAQLQAEK	4	1	2xTMT6plex [N-Term; K16]	1.085	1.165	1.039	1.960835576	0	2308.207277	3	770.0727539	-1.546001213	69.018895
													GVEGLIDIENPNR	2	1	1xTMT6plex [N-Term]	1.157	1.197	-	1.746168375	0	1654.896165	2	827.9527588	1.254530749	73.0451282
													EGGDGAAGDPK	4	1	2xTMT6plex [N-Term; K11]	1.054	0.997	1.347	1.857859612	0	1431.747993	2	716.3774414	-0.270332141	31.37864639
													DDATLSGK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.838	1.608208299	0	1264.714902	2	632.8613281	0.377428936	42.24957549
													VTQLDLDGPK	2	1	2xTMT6plex [N-Term; K10]	1.159	1.063	-	1.820474625	0	1543.909579	3	515.3071899	-1.659854836	66.67623472
4759224	PDCD5	programmed cell death protein 5	49.6	6	16	6	125	14.276	6.04	1.137	1.274	1.214														
													LAELQAK	1	1	2xTMT6plex [N-Term; K7]	1.023	-	-	0.931671321	0	1230.782194	2	615.8945923	-0.232469797	55.65263246
													LSNLALVKPEK	2	1	3xTMT6plex [N-Term; K8; K11]	0.919	-	0.918	1.612315655	0	1899.224595	3	633.746582	0.314688295	70.98378815
													VSEQGLIEILK	1	1	2xTMT6plex [N-Term; K11]	1.218	-	-	1.17309463	0	1687.040593	2	844.0245972	0.78502316	92.60358186
													HGDPGDAAQQEAK	5	1	2xTMT6plex [N-Term; K13]	1.31	1.334	1.348	1.891617656	0	1781.918246	2	891.4638062	1.172548007	36.55372317
													NSILAQVLDQSAR	6	1	1xTMT6plex [N-Term]	1.04	0.832	1.168	2.119542122	0	1643.927799	3	548.6474609	0.018390406	85.07408266
													YGQLSEK	1	1	2xTMT6plex [N-Term; K7]	1.431	-	-	1.44329977	0	1282.740723	2	641.8739624	-0.058441516	42.69111896
7019485	PDCD6	programmed cell death protein 6 isoform 1	5.759162304	1	2	1	191	21.855	5.4	-	1.586	1.411														
													LSDQFHDILIR	2	1	1xTMT6plex [N-Term]	-	1.586	1.411	0.977915943	0	1585.889957	3	529.3015137	0.0191789	72.98645395
22027538	PDCD6IP	programmed cell death 6-interacting protein isoform 1	18.20276498	13	25	13	868	95.963	6.52	1.421	1.597	1.587														
													EVFPVLAAK	2	1	2xTMT6plex [N-Term; K9]	-	1.735	1.643	1.411510348	0	1431.897558	2	716.4523315	-0.119878731	82.36362631
													SLLSNLDEVK	2	1	2xTMT6plex [N-Term; K10]	-	0.99	-	0.837737501	0	1575.935794	2	788.4716797	0.183253024	77.44452025
													NLATAYDNFVELVANLK	4	1	2xTMT6plex [N-Term; K17]	-	1.309	1.276	1.608688593	0	2353.316768	2	1177.163086	0.903985825	106.4383545
													STPVNVPISQK	1	1	2xTMT6plex [N-Term; K11]	1.23	-	-	0.824013472	0	1627.978327	2	814.4916992	-1.354847582	56.36688004
													LLDEEEATDNDLR	3	1	1xTMT6plex [N-Term]	0.865	1.359	1.213	1.609309316	0	1761.870403	2	881.4384766	-0.412609803	62.79805658
													NIQVSHQEFSK	2	1	2xTMT6plex [N-Term; K11]	-	1.663	1.692	2.088495493	0	1774.985204	3	592.3330078	-0.413255557	48.52644151
													SVIEQGGIQTVDQLIK	3	1	2xTMT6plex [N-Term; K16]	1.712	1.924	1.889	1.416377544	0	2186.279654	3	729.4302979	-1.515741733	89.06363519
													AVQADGQVK	2	1	2xTMT6plex [N-Term; K9]	-	1.354	1.57	1.317718744	0	1373.815285	2	687.4119873	1.028500258	37.48579452
													QSNNEANLR	1	1	1xTMT6plex [N-Term]	-	-	1.281	1.109044075	0	1274.665043	2	637.8359985	-0.252952483	26.54383384
													YYDQICSIEPK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	-	1.4	1.358874083	0	1873.977007	2	937.4940796	2.068056157	66.31642612
													HEGALETLLR	2	1	1xTMT6plex [N-Term]	-	1.747	1.801	1.542618394	0	1367.78443	3	456.5999146	0.556134671	53.18795953
													FIQQTYPSGGEEQAQYCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.318	-	1.008237362	0	2391.123675	2	1196.0625	-2.489018056	58.12100075
													LANQAADYFGDAFK	1	1	2xTMT6plex [N-Term; K14]	-	-	1.445	1.282995701	0	1989.048198	3	663.6875	-0.126221175	89.443025
4505657	PDE2A	cGMP-dependent 3',5'-cyclic phosphodiesterase isoform PDE2A3	1.70031881	1	1	1	941	105.649	5.41	-	0.632	-														
													SVLAALYSSEGSVMER	1	1	1xTMT6plex [N-Term]; 1xOxidation [M14]	-	0.632	-	0.757883728	0	1943.994559	3	648.6694946	-0.322980987	93.56737056
21361657	PDIA3	protein disulfide-isomerase A3 precursor	47.92079208	20	107	20	505	56.747	6.35	0.649	0.649	0.668														
													SEPIPESNDGPVK	5	1	2xTMT6plex [N-Term; K13]	0.598	0.677	0.724	1.17971468	0	1826.990014	2	914.0009766	2.551888606	50.03797387
													VVVAENFDEIVNNENK	7	1	2xTMT6plex [N-Term; K16]	0.724	0.719	0.79	2.089718819	0	2291.228347	4	573.5623169	-0.396770526	85.66186588
													GFPTIYFSPANK	8	1	2xTMT6plex [N-Term; K12]	0.606	0.618	0.587	1.210864663	0	1800.009628	2	900.5095215	1.188187395	89.22239592
													DGEEAGAYDGPR	6	1	1xTMT6plex [N-Term]	0.826	0.76	0.751	2.37912488	0	1465.675667	2	733.3410034	-0.639168735	40.65519175
													VDCTANTNTCNK	6	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	0.748	0.729	0.927	1.797948837	0	1855.904253	2	928.4555054	-0.279636092	33.28182734
													FIQENIFGICPHMTEDNK	2	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	0.636	0.803	-	1.417170644	0	2651.3362	3	884.4504395	0.2132545	87.46137175
													FIQENIFGICPHMTEDNK	3	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M13];	0.729	0.738	0.711	1.215959311	0	2667.331115	3	889.7820435	0.173364713	78.67328825
													TFSHELSDFGLESTAGEIPVVAIR	3	1	1xTMT6plex [N-Term]	-	0.631	0.552	0.883682549	0	2804.46679	3	935.4945679	0.841711975	93.06766986
													TADGIVSHLK	9	1	2xTMT6plex [N-Term; K10]	0.697	0.67	0.654	1.900149941	0	1498.899349	3	500.3041687	-0.931414431	52.0301228
													MDATANDVPSPYEVR	4	1	1xTMT6plex [N-Term]	0.644	0.651	0.702	1.479499698	0	1893.921393	2	947.4660645	1.826409619	58.79510198
													MDATANDVPSPYEVR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	0.691	0.656	-	1.175832391	0	1909.916308	3	637.3091431	-1.797073917	53.20255124
													DASIVGFFDDSFSEAHSEFLK	2	1	2xTMT6plex [N-Term; K21]	0.576	-	0.579	2.072771549	0	2806.397597	3	936.1372681	-0.123215179	97.60366903
													TVAYTEQK	4	1	2xTMT6plex [N-Term; K8]	0.76	0.669	0.644	1.54204905	0	1397.804052	3	466.6066895	1.046991796	40.18190893
													QAGPASVPLR	3	1	1xTMT6plex [N-Term]	0.659	0.548	0.536	1.005642414	0	1224.726187	2	612.8653564	-2.245717782	44.15912865
													FLQDYFDGNLK	2	1	2xTMT6plex [N-Term; K11]	0.534	0.557	-	1.658866405	0	1817.983807	2	909.4943848	-1.272744422	92.35977631

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QAGPASVPLRTEEEFK	5	1	2xTMT6plex [N-Term; K16]	0.935	0.541	0.816	1.602942467	1	2217.227953	2	1109.118042	0.385361538	58.86202969
													ELSDFISYLQR	4	1	1xTMT6plex [N-Term]	0.443	0.485	0.466	2.081752062	0	1599.857988	3	533.9561768	-2.50738915	95.10385346
													RLAPEYEAAATR	5	1	1xTMT6plex [N-Term]	0.722	0.723	0.665	2.250941753	1	1576.864471	3	526.2927246	-0.53922318	37.23264038
													LAPEYEAAATR	9	1	1xTMT6plex [N-Term]	0.538	0.612	0.63	1.765168667	0	1420.76336	2	710.8839722	-1.894885622	49.94631779
													DPNIVIAK	3	1	2xTMT6plex [N-Term; K8]	0.612	0.552	0.655	1.341681719	0	1327.834958	2	664.4221191	1.509058967	61.8009496
													YGVSGYPTLK	6	1	2xTMT6plex [N-Term; K10]	0.73	0.657	0.714	1.499705553	0	1542.893201	2	771.9485474	-2.192532468	62.66289975
													DLLIAYYDVDYEK	8	1	2xTMT6plex [N-Term; K13]	0.685	0.685	0.664	2.28186655	0	2078.109795	2	1039.55481	-3.586152855	92.35047272
4758304	PDIA4	protein disulfide-isomerase A4 precursor	52.55813953	28	109	28	645	72.887	5.07	0.705	0.77	0.769														
													GQAVDYEGSR	3	1	1xTMT6plex [N-Term]	0.672	0.702	0.825	1.611335039	0	1310.653809	2	655.8314209	1.339558061	29.5251463
													YGIVDYMIEQSGPPSK	3	1	2xTMT6plex [N-Term; K16]	0.65	-	0.637	1.719505548	0	2242.182977	3	748.0623169	-4.718244013	90.04826735
													FAMEPEEFDSDTLR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	0.929	0.987	1.4282763	0	1931.889425	3	644.6334839	-1.825332133	66.4498493
													MDATANDVPSDRYK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M1]	-	-	0.684	0.821379185	1	2057.037375	3	686.350647	0.005949318	38.5975957
													FEGGDRDLEHLSK	4	1	2xTMT6plex [N-Term; K13]	0.826	0.98	0.817	2.388364553	1	1961.04926	3	654.3555298	1.415413434	56.912817
													DLGLSESGEDVNAAILDESGK	6	1	2xTMT6plex [N-Term; K21]	0.712	0.753	0.744	2.048240662	0	2577.329577	2	1289.166504	-1.492062767	82.31652852
													VEGFPTIYFAPSGDK	6	1	2xTMT6plex [N-Term; K15]	0.728	0.685	0.715	1.770081401	0	2086.126114	2	1043.565552	-1.096215785	92.60880274
													GRPYDYNGPR	1	1	1xTMT6plex [N-Term]	0.641	-	-	1.765831351	0	1423.727977	3	475.2472839	-0.47687014	29.65330059
													SHMMDVQGSTQDSAIK	5	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M]	0.708	0.752	0.737	2.211784363	0	2209.099324	3	737.0372925	-0.905119372	39.729535
													SHMMDVQGSTQDSAIK	4	1	2xTMT6plex [N-Term; K16]; 2xOxidation [M3; M4]	0.75	0.716	0.885	2.00546813	0	2225.094239	3	742.3679199	-2.261555617	32.1843327
													VSQGQLVVMQPEK	3	1	2xTMT6plex [N-Term; K13]	0.635	0.833	0.837	1.025990367	0	1901.09304	2	951.0484009	-1.848627139	66.13749631
													VSQGQLVVMQPEK	5	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M9]	0.851	0.84	0.782	1.965554714	0	1917.087955	3	639.7005005	-0.524929049	55.15517344
													FDVSGYPTLK	18	1	2xTMT6plex [N-Term; K10]	0.752	0.78	0.771	2.008657932	0	1584.903766	3	528.9724731	-0.567495911	76.32264155
													TFDSIVMDPK	2	1	2xTMT6plex [N-Term; K10]	0.633	-	0.685	1.258292675	0	1610.886401	3	537.6345825	1.734038224	77.80945309
													MDATANDVPSDR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	-	0.759	-	0.747501075	0	1536.716152	2	768.8608398	-1.138097298	28.98447457
													FIEEHATK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.806	1.359224439	0	1432.820036	3	478.2786865	1.02613746	44.7922255
													DKDPPIPVAK	1	1	3xTMT6plex [N-Term; K2; K10]	-	-	0.925	0.1693068	1	1767.098332	3	589.704834	0.914834843	55.32647849
													YALPLVGHR	2	1	1xTMT6plex [N-Term]	0.66	-	0.664	1.797326088	0	1254.752008	3	418.9220581	-0.307992011	55.74108441
													IDATSASVLASR	2	1	1xTMT6plex [N-Term]	0.609	-	-	1.628047585	0	1419.800474	2	710.4030151	-1.211435405	57.19578961
													RFDVSGYPTLK	3	1	2xTMT6plex [N-Term; K11]	0.701	0.772	-	2.71191144	1	1741.004877	3	581.0065308	0.093316888	62.14356578
													DFPEYTFAIADEEDYAGEVK	3	1	2xTMT6plex [N-Term; K20]	0.656	0.802	0.753	1.840315819	0	2767.339079	3	923.1137695	-4.453175378	93.53245115
													EVSQPDWTPPPEVTLVLTK	5	1	2xTMT6plex [N-Term; K19]	0.696	0.809	0.841	2.621682882	0	2594.448176	2	1297.728638	0.702619787	97.26266613
													TQEEIVAK	5	1	2xTMT6plex [N-Term; K8]	0.86	0.752	0.897	1.798640013	0	1375.819702	2	688.4143066	1.188368831	47.3005006
													VDATAETDLAK	5	1	2xTMT6plex [N-Term; K11]	0.709	0.738	0.659	1.730955362	0	1591.894323	3	531.3028564	-0.19282314	56.86214833
													GESDPAYQQYQDAANNLR	6	1	1xTMT6plex [N-Term]	0.513	0.581	0.494	1.930382371	0	2269.068268	3	757.0265503	-1.397309697	56.84030259
													EENGVLVLNDANFDNFVADK	3	1	2xTMT6plex [N-Term; K20]	0.704	0.866	0.758	1.976356983	0	2681.382281	2	1341.190186	-3.426059878	93.26418327
													GQAVDYEGSRTQEEIVAK	2	1	2xTMT6plex [N-Term; K18]	-	0.538	0.35	1.479254127	1	2438.292738	3	813.4299316	-7.175589647	49.18860508
													QFAPEYEK	1	1	2xTMT6plex [N-Term; K8]	-	0.798	-	0.938750446	0	1469.804052	3	490.6068115	1.244860028	58.48298771
													QLEPVYNSLAK	2	1	2xTMT6plex [N-Term; K11]	-	0.967	0.93	1.537151217	0	1720.004542	2	860.5049438	-1.122743946	71.38322815
													DGDDVIIIGVFK	4	1	2xTMT6plex [N-Term; K12]	-	0.785	0.777	1.055655718	0	1749.019858	2	875.0130005	-0.648096379	95.54927905
544186032	PDIA6	protein disulfide-isomerase A6 isoform a	38.41463415	14	47	14	492	53.867	5.33	1.072	1.003	1.015														
													VGAVDADK	3	1	2xTMT6plex [N-Term; K8]	1.286	-	1.216	1.353678942	0	1232.725073	2	616.8654785	-1.129756164	42.80940564
													GSTAPVGGGAFPTIVER	2	1	1xTMT6plex [N-Term]	0.936	0.63	-	1.256633282	0	1845.006778	3	615.6749268	1.86945841	67.33797264
													TGEAIVDAALSALR	7	1	1xTMT6plex [N-Term]	1.075	1.109	1.062	2.793664217	0	1615.921651	3	539.3125	0.801660154	97.22438521
													GESPVDYDGGR	4	1	1xTMT6plex [N-Term]	1.136	1.095	-	1.170544982	0	1380.659289	2	690.8325195	-1.105484541	44.72804395
													GFPTIK	1	1	2xTMT6plex [N-Term; K6]	-	1.059	-	1.422405243	0	1120.713052	2	560.8595581	-1.081792579	60.06747142
													NLEPEWAAAASEVK	1	1	2xTMT6plex [N-Term; K14]	-	1.023	-	1.066644907	0	1973.074413	3	658.3621216	-1.318264476	77.94778526
													GSFSEQGINEFLR	1	1	1xTMT6plex [N-Term]	1.081	-	-	1.433507085	0	1712.880515	2	856.9423218	-1.837749502	75.73402944
													ALDLFSDNAPPPELLEIINEDIAK	3	1	2xTMT6plex [N-Term; K24]	0.965	-	1.031	1.61590445	0	3095.691653	3	1032.56665	-2.02067545	106.7539556
													DVIELTDDSFDK	7	1	2xTMT6plex [N-Term; K12]	0.964	1.131	1.033	2.166120052	0	1854.973695	3	618.9957886	-0.475994536	80.5393207
													NRPEDYQGGR	6	1	1xTMT6plex [N-Term]	1.139	1.108	1.139	2.703136683	0	1420.713056	3	474.2425232	-0.027683227	20.70307125
													SGGYSSGK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.918	0.946905673	0	1200.662473	2	600.8352661	0.651937226	26.03956818
													LAAVDATVNQVLASR	7	1	1xTMT6plex [N-Term]	0.794	0.516	0.608	1.803768873	0	1757.011863	3	586.3400879	-3.501876256	90.74164712
													NSYLEVLLK	3	1	2xTMT6plex [N-Term; K9]	0.945	-	1.039	1.601792812	0	1536.940151	3	512.9856567	1.474250537	90.58152068
													DGELPVEDDIDLSDVELDDLGK	1	1	2xTMT6plex [N-Term; K22]	-	1.035	-	2.24454093	0	2859.439915	3	953.8146973	-3.62879565	95.91943124
13994151	PDLIM1	PDZ and LIM domain protein 1	33.73860182	8	19	8	329	36.049	7.02	1.23	1.075	1.366														
													GHFFVEDQIYCEK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.381	-	-	1.362552643	0	2130.073033	3	710.6945801	-1.805405527	65.63556046
													VTPPEGYEVVTVFPK	2	1	2xTMT6plex [N-Term; K15]	1.365	-	1.497	1.248790026	0	2120.204364	3	707.4060059	-0.424351487	90.73990012
													CGTGIVGVFVK	5	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.143	1.114	1.174	1.434913039	0	1594.939106	3	532.3185425	1.234273709	80.08753805
													VWSPLVTEEGK	2	1	2xTMT6plex [N-Term; K11]	1.073	-	1.121	1.870047569	0	1702.977993	3	568.3306274	-0.389926226	78.54616383
													QELNEPPK	3	1	2xTMT6plex [N-Term; K8]	1.535	-	1.708	1.281417012	0	1412.814951	3	471.6092834	-1.170399706	40.14633044
													QSTSFLVLQEILESEEK	2	1	2xTMT6plex [N-Term; K17]	1.134	1.271	-	2.524060965	0	2438.343042	3	813.453186	0.804954609	98.93984286
													VAASIGNAQK	3	1	2xTMT6plex [N-Term; K10]	-	0.761	0.785	1.318057418	0	1416.857484	2	708.9319458	-0.613462149	45.66119472
													TAASGVEANSRPLDHAQPPSSLVIDK	1	1	2xTMT6plex [N-Term; K26]	-	-	1.585	0.951141477	0	3118.689696	4	780.4267578	-1.441262337	57.68598534
374092020	PDLIM5	PDZ and LIM domain protein 5 isoform a	3.691275168	2	4	2	596	63.935	8.21	-	0.526	1.073														
													ESEADNTK	2	1	2xTMT6plex [N-Term; K8]	-	0.412	1.275	1.566753387	0	1351.710545	2	676.3584595	-0.667890541	28.20835417
													ASAAPKPEPVPVQK	2	1	3xTMT6plex [N-Term; K6; K14]	-	0.866	0.927	1.301551938	0	2106.288986	3	702.7680664	0.313213787	50.41168119
11496885	PDLIM7	PDZ and LIM domain protein 7 isoform 1	2.625820569	1	1	1	457	49.813	8.41	-	-	1.225														
													VVLEGPAPWGFR	1	1	1xTMT6plex [N-Term]	-	-	1.225	1.480536103	0	1556.878664	3	519.6292725	-3.468688544	89.32822207
4505701	PDXK	pyridoxal kinase	25.64102564	6	12	6	312	35.08	6.13	1.116	1.151	0.979														
													TVSTLHHVLQR	1	1	1xTMT6plex [N-Term]	1.29	-	-	0.923434973	0	1519.890626	4	380.7281494	0.093221346	39.4055939
													VVPLADIITPNQFEAELLSGR	1	1	1xTMT6plex [N-Term]	1.008	-	-	1.407797217	0	2511.402005	3	837.805603	0.099925074	103.4257468
													VLSIQSHVIR	2	1	1xTMT6plex [N-Term]	1.06	0.984	-	1.638368964	0	1380.85245	3	460.9563293	1.437551934	52.05515084
													GQVLNSDELQELYEGLR	4	1	1xTMT6plex [N-Term]	0.623	1.209	1.334	1.624016166	0	2192.139642	3	731.3823242	-3.294901297	92.36586756

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LVYVCDPVLGDK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	1.3	-	1.341375113	0	1836.034128	2	918.520813	0.120535103	87.07550689
													IHSQEEALR	2	1	1xTMT6plex [N-Term]	-	1.072	0.812	1.186002374	0	1311.721829	3	437.912384	0.586526497	31.65755372
662033922	PEA15	astrocytic phosphoprotein PEA-15 isoform a	28.47682119	3	5	3	151	17.296	4.89	0.896	0.795	-														
													SEEITTGSAWFSFLESHNK	2	1	2xTMT6plex [N-Term; K19]	1.161	1.115	-	1.526324749	0	2628.334603	3	876.7843628	1.496190364	92.1818536
													DNLSYIEHIFEISR	2	1	1xTMT6plex [N-Term]	0.652	0.671	-	1.064916849	0	1965.027907	3	655.6815186	1.066261733	93.44888805
													ISEEDELDTK	1	1	2xTMT6plex [N-Term; K10]	0.922	-	-	1.024692893	0	1636.868168	2	818.9371948	-0.644390051	52.64872981
4505621	PEBP1	phosphatidylethanolamine-binding protein 1	51.87165775	8	23	8	187	21.044	7.53	1.421	1.592	1.411														
													LYEQLSGK	2	1	2xTMT6plex [N-Term; K8]	-	1.727	1.553	0.869732022	0	1395.824787	3	465.9460754	-0.798102778	59.41084834
													VLTPTQVK	2	1	2xTMT6plex [N-Term; K8]	1.872	2.023	-	0.981088698	0	1343.866258	2	672.4365234	-0.362941622	55.36168141
													GNDISSGTVLSDYVGSGPPK	9	1	2xTMT6plex [N-Term; K20]	1.425	1.421	1.401	1.957943678	0	2408.27094	2	1204.640869	1.46240242	73.11418506
													LYTLVLTDPDAPSRK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.378	0.830007076	1	2147.247626	3	716.421814	1.51955205	77.91032851
													YVWLVYEQDRPLK	3	1	2xTMT6plex [N-Term; K13]	1.238	1.462	1.209	1.233635306	0	2167.231582	3	723.0789795	-4.243498256	81.20962172
													NRPTSISWDGLDSGK	3	1	2xTMT6plex [N-Term; K15]	1.463	1.266	1.448	1.250347376	0	2091.123488	3	697.7119751	-1.011832655	57.69126557
													LYTLVLTDPDAPSR	2	1	1xTMT6plex [N-Term]	0.881	1.919	-	1.519350648	0	1789.989731	3	597.3345337	-0.381569664	86.36390212
													APVAGTCYQAEWDDYVPK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	-	-	1.445	0.903522849	0	2528.253182	3	843.421875	-0.834512942	81.58859362
33354285	PEG3	paternally-expressed gene 3 protein isoform 1	0.818639798	1	1	1	1588	180.715	5.48	-	-	0.497														
													SVIHSGPFTESQK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.497	0.687426627	0	1875.037633	2	938.0204468	-2.141938509	67.45408707
21536449	PFDN1	prefoldin subunit 1	5.737704918	1	1	1	122	14.202	6.81	1.008	-	-														
													VIDTQQK	1	1	2xTMT6plex [N-Term; K7]	1.008	-	-	1.280560613	0	1289.782922	2	645.3942871	-1.259670307	40.92194531
12408675	PFDN2	prefoldin subunit 2	29.22077922	4	7	4	154	16.638	6.58	1.208	1.058	1.101														
													ENSEGAGAK	1	1	2xTMT6plex [N-Term; K9]	1.073	-	-	1.115682602	0	1320.715965	2	660.8621826	0.850844848	22.30383741
													IIETLTQQLQAK	2	1	2xTMT6plex [N-Term; K12]	-	1.06	1.039	1.589453816	0	1844.12572	2	922.5616455	-5.262919046	93.80692698
													EVLPALENNK	3	1	2xTMT6plex [N-Term; K10]	-	1.054	1.11	1.383601427	0	1584.936128	3	528.9834595	-0.191277128	65.19963429
													GAVSAEQVIAGFNR	1	1	1xTMT6plex [N-Term]	1.443	-	-	1.623031259	0	1647.901585	2	824.4532471	-1.436426421	72.34781438
12408677	PFDN4	prefoldin subunit 4	8.955223881	1	1	1	134	15.305	4.53	1.079	-	-														
													NLQEEIDALESR	1	1	1xTMT6plex [N-Term]	1.079	-	-	1.551262736	0	1645.859445	2	823.4353638	2.433967903	76.92414084
22202633	PFDN5	prefoldin subunit 5 isoform alpha	16.88311688	2	6	2	154	17.317	6.33	1.266	1.248	1.257														
													NQLDQEVEFLSTSIAQLK	5	1	2xTMT6plex [N-Term; K18]	1.266	1.248	1.175	2.285499573	0	2521.391389	4	631.1033936	0.140830476	102.1341885
													IQPALQEK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.278	0.770543277	0	1384.856422	3	462.2904358	0.240135397	52.32872499
297747286	PFDN6	prefoldin subunit 6	34.88372093	4	9	4	129	14.574	8.88	1.008	1.137	1.178														
													ETLAQLQQEFQR	3	1	1xTMT6plex [N-Term]	1.036	1.007	1.532	1.488716722	0	1719.922714	2	860.4655151	0.604517534	76.00024252
													EELALLDGSNVVFK	4	1	2xTMT6plex [N-Term; K14]	0.998	1.065	1.096	1.686067224	0	1992.141764	3	664.7166138	-3.250642863	94.18275989
													LQGEVEK	1	1	2xTMT6plex [N-Term; K7]	-	1.268	-	0.968979239	0	1260.756373	2	630.8815308	-0.466629854	53.18596033
													LEAQLTENNIVK	1	1	2xTMT6plex [N-Term; K12]	-	1.215	-	1.760543585	0	1830.073684	3	610.6963501	0.444103959	70.80086945
11321601	PFKP	ATP-dependent 6-phosphofructokinase, platelet type isoform 1	15.30612245	9	18	9	784	85.542	7.55	1.939	1.86	1.552														
													FLEHLSGAGK	2	1	2xTMT6plex [N-Term; K10]	1.95	1.814	-	1.908503771	0	1516.888784	3	506.3007813	-0.655150206	58.34276202
													QTDFEHR	1	1	1xTMT6plex [N-Term]	1.962	-	-	1.302947283	0	1161.585002	3	387.8662109	-0.793904448	23.87284716
													VTILGHVQR	3	1	1xTMT6plex [N-Term]	1.811	1.945	1.759	2.288399935	0	1251.773471	3	417.9291077	-0.560374516	47.57946222
													MLAIYDGFDGFAK	3	1	2xTMT6plex [N-Term; K13]	1.966	1.746	1.808	1.768283606	0	1906.018478	3	636.0119629	1.499325378	96.75106645
													GITNLCVIGGDGSLTGANLFR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.123	2.016	1.87	2.374443293	0	2364.254295	3	788.7546387	-2.086245285	93.95000137
													VGIADGHR	1	1	1xTMT6plex [N-Term]	-	-	1.284	1.070958138	0	1053.600258	2	527.3033447	-0.802122882	26.46609425
													EIGWTDVGGWTGQGGSILGTK	2	1	2xTMT6plex [N-Term; K21]	-	2.018	1.118	1.423418403	0	2577.371323	3	859.7952271	-0.075514015	93.56571628
													IIEVVDAIMTTAQSHQR	2	1	1xTMT6plex [N-Term]	-	1.963	1.821	2.550845623	0	2141.158604	3	714.3900146	-1.453878607	100.9898175
													FTTDDSICVLGISK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	1.829	-	1.827321768	0	2014.093099	3	672.0367432	1.279430523	90.39592426
4826898	PFN1	profilin-1	70.71428571	9	73	9	140	15.045	8.27	0.564	0.588	0.597														
													CYEMASHLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.466	0.461	0.485	1.883496881	0	1395.671057	3	465.8948669	-0.722963994	38.44606327
													CYEMASHLR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M4];	0.449	0.486	0.492	1.674053073	0	1411.665972	3	471.2271423	0.639068995	38.83847995
													STGGAPTFNVTVTK	7	1	2xTMT6plex [N-Term; K14]	0.481	0.518	0.601	2.012928486	0	1838.042384	2	919.5241089	-0.78508884	64.95272674
													DSLLQDGEFSMDLR	9	1	1xTMT6plex [N-Term]	0.614	0.662	0.574	2.713768244	0	1854.910494	3	618.9732666	-2.829045029	82.34579078
													DSLLQDGEFSMDLR	8	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	0.577	0.542	0.547	2.803870201	0	1870.905409	3	624.3074951	1.348503003	71.65065476
													TLVLLMGK	2	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M6]	0.416	0.428	-	1.597428799	0	1348.863816	3	450.2931824	0.873534546	75.12255042
													DSPSVWAAVPGK	9	1	2xTMT6plex [N-Term; K12]	0.575	0.566	0.586	2.048620462	0	1671.947027	3	557.9875488	0.637504872	68.97922771
													TFVNITPAEVGVLVGK	15	1	2xTMT6plex [N-Term; K16]	0.545	0.55	0.538	1.890728831	0	2102.262548	2	1051.635132	0.209028066	97.64571449
													SSFYVNGLTLGGQK	10	1	2xTMT6plex [N-Term; K14]	0.737	0.75	0.75	1.991461515	0	1929.084583	2	965.0462036	0.283697546	80.60805778
													TFVNITPAEVGVLVGKDR	2	1	2xTMT6plex [N-Term; K16]	0.562	0.515	-	1.81258285	1	2373.390602	3	791.7987671	-3.730321702	92.93598521
													EGVHGGLINK	5	1	2xTMT6plex [N-Term; K10]	0.502	0.541	0.883	1.629367948	0	1481.884033	2	741.446167	0.691082671	43.73646654
4505751	PFN2	profilin-2 isoform b	55.71428571	5	14	5	140	15.078	6.1	1.524	1.133	1.309														
													EGVHGGTLNK	2	1	2xTMT6plex [N-Term; K10]	0.837	0.76	-	1.041093588	0	1469.847648	2	735.4274292	-0.044876462	31.99516546
													SQGGEPTYNVAVGR	4	1	1xTMT6plex [N-Term]	1.715	1.58	1.386	1.449746251	0	1663.860114	3	555.291748	0.346904539	42.25423152
													DREGFFTNGLTLGAK	3	1	2xTMT6plex [N-Term; K15]	1.916	2.012	2.116	1.280973792	1	2084.15406	3	695.3897705	0.335135224	71.96872892
													DSLYVDGDCTMDIR	4	1	1xTMT6plex [N-Term]; 1xOxidation [M11];	1.407	0.977	0.853	1.83756268	0	1904.856745	3	635.6226807	-1.709308493	54.55924332
													YVWAATAGGVFQSITPIEIDMIVGK	1	1	2xTMT6plex [N-Term; K25]; 1xOxidation [M21]	-	-	0.603	1.443765163	0	3140.710615	3	1047.573853	-1.149654729	104.249896
71274140	PFN3	profilin-3	6.569343066	1	3	1	137	14.587	9.26	3.842	3.58	2.732														
													GVHGGILNK	3	1	2xTMT6plex [N-Term; K9]	3.842	3.58	2.732	2.198142052	0	1352.84144	3	451.6183777	-0.636026761	40.28993198
4505753	PGAM1	phosphoglycerate mutase 1 isoform 1	57.08661417	10	63	10	254	28.786	7.18	1.367	1.322	1.339														
													HGESAWNLENR	5	1	1xTMT6plex [N-Term]	1.229	1.252	1.319	2.490720034	0	1541.765819	3	514.5935059	0.093955984	34.33980583
													FSGWYDADLSPAGHEAK	6	1	2xTMT6plex [N-Term; K18]	1.371	1.381	1.392	2.778162956	0	2438.20286	3	813.4038696	-2.380713835	70.64390136
													HLEGLSEEAIMELNLPTGIPIVYELDK	3	1	2xTMT6plex [N-Term; K27]; 1xOxidation [M11]	1.365	1.244	-	1.338011265	0	3497.885344	4	875.2265625	-0.26421392	100.3292743
													YADLTEDQLPSCESLK	7	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.401	1.522	1.45	1.929901123	0	2327.184099	2	1164.092163	-3.0291751	73.90751585
													VLIAAHGNSLR	6	1	1xTMT6plex [N-Term]	0.918	1.021	1.055	1.595421553	0	1379.832049	3	460.6147461	-1.712975686	44.86476258
													AMEAVAAQGK	6	1	2xTMT6plex [N-Term; K10]	1.317	1.316	1.445	2.270962477	0	1433.818656	3	478.6097412	-2.779610358	49.10736822
													AMEAVAAQGK	2	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M2]	-	1.033	1.055	0.93155241	0	1449.813571	2	725.4102783	-0.200590877	35.08044719

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SYDVPPPPMEPDHPFYSNISK	4	1	2xTMT6plex [N-Term; K21]	1.169	1.349	1.382	2.076704264	0	2875.437687	3	959.1480103	-2.855196034	75.6208539
													SYDVPPPPMEPDHPFYSNISK	4	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M9]	1.55	1.369	1.338	2.372307539	0	2891.432602	3	964.4810791	-1.355174355	67.35041727
													HGEAQVK	1	1	2xTMT6plex [N-Term; K7]	-	1.386	-	0.882471502	0	1226.725742	2	613.8660889	-0.685332994	33.12421574
													HYGGLTGLNK	5	1	2xTMT6plex [N-Term; K10]	1.274	1.426	1.254	3.186161757	0	1517.884033	3	506.6322937	-1.123542014	49.41366422
													ALPFWNEEIVPQIK	14	1	2xTMT6plex [N-Term; K14]	1.531	1.519	1.494	2.975733995	0	2142.236333	2	1071.620605	-1.119662879	98.76393049
40068518	PGD	6-phosphogluconate dehydrogenase, decarboxylating isoform 1	38.0952381	16	42	15	483	53.106	7.23	1.605	1.343	1.485														
													SAVENCQDSWR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.592	1.407	1.586	2.045265913	0	1580.732471	3	527.5828857	1.033234018	36.31951503
													TIFQGIAAK	3	1	2xTMT6plex [N-Term; K9]	1.488	1.34	1.418	1.876999617	0	1406.877157	3	469.6309814	0.877159695	72.56471122
													EAWPHIK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.354	0.877079129	0	1338.793427	3	446.9362793	0.640256075	51.78994839
													VDDFLANEAK	3	1	2xTMT6plex [N-Term; K10]	1.718	1.807	1.711	1.484117866	0	1579.873194	2	790.4403076	0.091712661	70.01589451
													NPELQNLLLDDFFK	4	1	2xTMT6plex [N-Term; K14]	1.621	1.275	1.526	1.637735963	0	2164.205427	2	1082.605957	-0.364659237	101.8451353
													VGTGEPCCDWVGDEGAGHFVK	3	1	2xTMT6plex [N-Term; K21]; 2xCarbamidomethyl	1.626	1.969	1.838	2.744805813	0	2735.295792	3	912.4353638	-1.5550901	67.38344265
													AGQAVDDFIEK	2	1	2xTMT6plex [N-Term; K11]	1.574	-	-	2.174019575	0	1650.910307	2	825.956543	-2.724649837	67.11716025
													DAFDRNPELQNLLLDDFFK	3	1	2xTMT6plex [N-Term; K19]	1.69	1.66	1.644	2.140445948	1	2768.465951	3	923.4927368	-0.828589125	99.67081067
													IRDSAGQK	1	1	2xTMT6plex [N-Term; K8]	1.58	-	-	0.999180257	1	1332.799969	3	444.9379883	-0.418469585	26.07717891
													VVGAQSLK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.596	1.447631955	0	1259.808743	2	630.4075928	-0.662190296	53.90160339
													GILFVGSGVSGGEEGAR	5	1	1xTMT6plex [N-Term]	1.522	1.285	1.711	1.87211132	0	1820.970392	2	910.9882813	-0.607621082	69.20853943
													HEMLPASLIQAQR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	0.85	-	1.919421434	0	1738.947155	3	580.3206787	0.188563989	51.40343898
													SAVENCQDSWRR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.299	-	1.981634498	1	1736.833582	3	579.6154785	-0.978431752	30.56100371
													WTAISALEYGVPVTLIGEAVFAR	4	1	1xTMT6plex [N-Term]	-	1.114	1.103	1.402222991	0	2692.491154	4	673.8762207	-3.008840897	109.0446201
													ALYASK	2	2	2xTMT6plex [N-Term; K6]	-	1.691	-	1.394925117	0	1110.692317	2	555.8504639	1.201596838	45.6278382
													LVPLLDTGDIIIDGGNSEYR	5	1	1xTMT6plex [N-Term]	1.609	1.627	1.902	2.092270851	0	2389.281221	3	797.0950317	-4.469584853	98.85669563
4505763	PGK1	phosphoglycerate kinase 1	70.26378897	22	126	22	417	44.586	8.1	1.429	1.468	1.483														
													NNQITNNQR	4	1	1xTMT6plex [N-Term]	1.394	1.356	1.55	1.611310601	0	1330.702491	3	444.2389832	-0.07123088	20.65391508
													DCVGPEVEK	9	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.511	1.545	1.631	1.832250953	0	1490.792501	3	497.6025391	0.377663223	45.51873195
													AHSSMVGVNLPQK	9	1	2xTMT6plex [N-Term; K13]	1.248	1.293	1.244	2.287616491	0	1826.035859	3	609.3495483	-0.967839958	52.04839412
													AHSSMVGVNLPQK	4	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M5]	1.06	-	1.019	1.961399674	0	1842.030774	3	614.6801147	-2.705216324	47.96699756
													ALMDEVVK	1	1	2xTMT6plex [N-Term; K8]	1.557	-	-	0.868815422	0	1362.806694	2	681.9059448	-1.527128955	66.45506577
													SVVLMSHLGRPDGVPMPDK	4	1	2xTMT6plex [N-Term; K19]	1.264	1.389	1.292	1.940472007	0	2493.372191	4	624.0974731	-1.655730295	71.5253348
													SVVLMSHLGRPDGVPMPDK	2	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M16]	-	1.017	1.196	1.524282694	0	2509.367106	4	628.0969849	-0.397102868	63.79016205
													SVVLMSHLGRPDGVPMPDK	1	1	2xTMT6plex [N-Term; K19]; 2xOxidation [M5; M16]	-	1.293	-	1.596384645	0	2525.362021	4	632.0961914	0.362203515	53.35546411
													ELNYFAK	1	1	2xTMT6plex [N-Term; K7]	-	1.259	-	1.573620796	0	1342.777109	2	671.8928833	1.02869758	60.2859129
													VLPGVDALSNI	3	1	1xTMT6plex [N-Term]	1.322	1.329	-	1.080893159	0	1326.783033	2	663.8963013	1.728360256	96.56944386
													TGQATVASGIPAGWMGLDCGPESSK	6	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	1.51	1.519	1.491	1.790173054	0	2935.469398	2	1468.237183	-0.786887993	84.50743656
													TGQATVASGIPAGWMGLDCGPESSK	2	1	2xTMT6plex [N-Term; K25]; 1xOxidation [M15];	1.205	1.291	-	1.952288985	0	2951.464313	3	984.491272	-1.711297002	76.00914551
													VLNNMEIGTSLFDEEGAK	6	1	2xTMT6plex [N-Term; K18]	1.434	1.593	1.453	2.03499651	0	2425.268497	2	1213.136963	-0.761906878	92.82554092
													VLNNMEIGTSLFDEEGAK	2	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M5]	-	1.035	1.297	1.513036609	0	2441.263412	3	814.4232178	-3.404761504	86.01943354
													IQLINNMLDK	2	1	2xTMT6plex [N-Term; K10]	1.632	1.52	-	0.87011975	0	1659.986784	3	554.0006714	0.407961174	92.5118976
													IQLINNMLDK	2	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M7]	1.163	-	1.277	1.238292933	0	1675.981699	3	559.3306274	-2.607203757	75.81686355
													VNEMIIGGGMAFTFLK	3	1	2xTMT6plex [N-Term; K16]	1.416	1.42	1.274	1.6832757	0	2186.211774	3	729.409729	1.307897868	101.9195562
													VNEMIIGGGMAFTFLK	2	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M]	1.186	-	-	2.001161098	0	2202.206689	3	734.7401733	-0.32814834	97.83457893
													YAEAVTR	2	1	1xTMT6plex [N-Term]	-	1.408	-	1.331782341	0	1038.578126	2	519.7924805	-0.424813973	31.06913987
													GCITIIGGGDTATCCAK	6	1	2xTMT6plex [N-Term; K17]; 3xCarbamidomethyl	1.935	1.939	1.798	1.878239751	0	2213.112866	2	1107.060547	0.429842515	63.50732099
													ALESPERPFLAILGGAK	5	1	2xTMT6plex [N-Term; K17]	1.234	-	1.059	1.579482675	0	2227.321459	2	1114.161499	-2.576189935	92.60351628
													FCLDNGAK	3	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.77	1.871	1.795	2.041934967	0	1382.750242	2	691.8796387	1.271700193	57.79496848
													YSLEPVAVELK	14	1	2xTMT6plex [N-Term; K11]	1.591	1.577	1.575	2.899727106	0	1706.014044	3	569.3435059	1.125470292	83.93177767
													ACANPAAGSVILLENLR	7	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.414	1.35	1.379	2.084333181	0	1998.100361	2	999.5487671	-5.056482902	90.62458251
													ITLPVDFVTADK	3	1	2xTMT6plex [N-Term; K12]	1.417	1.501	-	1.581533432	0	1777.051158	2	889.0256348	-4.032016027	94.98904061
													QIVWNGPVGVFEWEAFAR	6	1	1xTMT6plex [N-Term]	1.624	1.6	1.607	2.82744956	0	2334.223253	3	778.7450562	-1.129996013	101.073145
													FHVEEEGK	8	1	2xTMT6plex [N-Term; K8]	1.426	1.371	1.467	1.934256792	0	1432.783651	3	478.2660522	-0.032832395	40.29889077
													LGDVYVNDAFGTAHR	5	1	1xTMT6plex [N-Term]	1.308	1.414	1.341	1.763895154	0	1863.955077	3	621.9884644	-2.273034177	64.25511096
													VSHVSTGGGASLELLEGK	4	1	2xTMT6plex [N-Term; K18]	1.256	1.46	1.412	2.162056446	0	2199.238518	2	1100.122314	-0.529866925	66.77396863
6912586	PGLS	6-phosphogluconolactonase	13.95348837	3	7	3	258	27.53	6.05	0.948	1.015	0.848														
													VTLTLPVLNAAR	2	1	1xTMT6plex [N-Term]	0.647	-	0.716	0.76647526	0	1496.936179	2	748.9718018	0.098598476	92.16971534
													ELPAAVAPAGPASLAR	4	1	1xTMT6plex [N-Term]	1.024	1.015	1.152	1.21610868	0	1719.995485	2	860.5006714	-0.824895515	69.43799353
													LLTVPFEK	1	1	2xTMT6plex [N-Term; K8]	0.942	-	-	1.379242182	0	1404.886659	2	702.9468994	-0.097432682	90.64695919
156616294	PGLYRP2	N-acetylmuramoyl-L-alanine amidase precursor	19.61805556	6	10	6	576	62.178	7.55	0.649	0.655	0.811														
													GSQTQSHPDLGTEGCWDQLSAPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.71	-	-	1.511778355	0	2756.289571	3	919.435791	1.178750197	54.72609758
													EYGVVLAPDGSTVAVEPLLAGLEAGLQGR	1	1	1xTMT6plex [N-Term]	0.597	-	-	0.877458334	0	3110.693495	3	1037.570557	1.164229739	103.8266377
													GCPDVQASLPDAK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.777	0.835	-	1.368867636	0	1815.967505	2	908.4876099	0.241246917	57.08454224
													EFTEAFLGCPAIHPR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.538	0.51	-	2.346518755	0	1974.010483	3	658.6754761	0.704967207	74.84296567
													TDCPGDALFDLLR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.73	0.75	0.834	1.613328457	0	1721.872987	2	861.4415283	1.622152532	96.40095048
													DGSPDVTTADIGANTPDATK	1	1	2xTMT6plex [N-Term; K20]	-	-	0.789	0.819512725	0	2404.224383	3	802.0822144	3.205331607	56.40282481
21361621	PGM1	phosphoglucomutase-1 isoform 1	21.53024911	10	26	10	562	61.411	6.76	1.117	1.157	1.063														
													QEATLVVGGDGR	3	1	1xTMT6plex [N-Term]	1.438	1.492	1.414	1.74957633	0	1430.780073	2	715.8936768	0.003030253	45.12849105
													TIEEYAVCPDLK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.192	1.184	1.11	1.643129945	0	1896.018872	2	948.5146484	1.660534632	71.50937608
													QQFDLENK	1	1	2xTMT6plex [N-Term; K8]	1.013	-	-	1.346507907	0	1479.820764	2	740.413147	-1.180517756	52.97486095
													FNISNGGPAPEAITDK	4	1	2xTMT6plex [N-Term; K16]	1.291	1.096	0.88	1.955525517	0	2089.13299	2	1045.070435	0.288421382	74.48614581
													VDLGVLGK	2	1	2xTMT6plex [N-Term; K8]	1.187	1.101	-	1.043624163	0	1258.813494	2	629.909668	-1.139861073	77.80673088
													FFGNLMDASK	1	1	2xTMT6plex [N-Term; K10]	0.959	-	-	1.073340416	0	1587.860521	2	794.4341431	0.307894054	88.77622523
													SIFDFSALK	4	1	2xTMT6plex [N-Term; K9]	1.144	1.187	-	1.765748143	0	1485.871737	3	495.962738	1.294594466	94.45905978
													INQDPQVMLAPLISIALK	5	1	2xTMT6plex [N-Term; K18]	0.995	1.073	0.963	1.395023704	0	2422.450759	3	808.1554565	0.436507905	106.2363631

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													ADNFEYSDPVDGSISR	2	1	1xTMT6plex [N-Term]	1.077	1.155	-	1.148520708	0	2000.93988	2	1000.975098	1.51866257	61.12002331
													LSGTGSAGATIR	1	1	1xTMT6plex [N-Term]	-	1.059	-	1.269567847	0	1319.748044	2	660.3770142	-0.979360942	40.22862202
63055049	PGM2	phosphoglucomutase-2	25.65359477	12	24	12	612	68.24	6.73	1.066	1.086	1.124														
													YYAELCAPPGNSDPEQLK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.025	-	-	1.144806385	0	2510.263746	3	837.4255981	-0.599573016	70.2078542
													RLIAEGNK	1	1	2xTMT6plex [N-Term; K8]	-	1.056	-	0.673457325	1	1358.852005	3	453.6218262	-0.794526829	45.36104015
													ASYFICHDQETIK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.151	-	-	1.706672907	0	2070.073033	3	690.6953735	-0.707837119	57.12383519
													NSLTLEAVK	2	1	2xTMT6plex [N-Term; K9]	-	0.95	1.157	1.647851348	0	1432.877551	2	716.942688	0.382772807	59.38226582
													QLIDQGK	3	1	2xTMT6plex [N-Term; K7]	1.143	1.211	1.236	1.510219336	0	1259.772358	2	630.3899536	0.216679276	49.94582928
													AFDLVPPEAVPEQK	1	1	2xTMT6plex [N-Term; K14]	-	1.091	-	1.34483707	0	1998.131199	3	666.713501	-2.627184999	86.58261425
													NLSLSQQLK	4	1	2xTMT6plex [N-Term; K9]	1.144	1.091	1.144	1.452640891	0	1488.914999	3	496.9761047	-0.83151222	61.15961946
													EGFHFEETLTGFK	2	1	2xTMT6plex [N-Term; K13]	0.977	1.05	-	1.76747632	0	2000.052949	3	667.3545532	-1.921160154	79.0869813
													DGVSAAVISAELASFLATK	6	1	2xTMT6plex [N-Term; K19]	0.91	0.93	0.888	2.176133871	0	2308.316434	2	1154.660278	-1.366146915	105.7345447
													DLTTGYDDSQPDKK	1	1	3xTMT6plex [N-Term; K13; K14]	-	1.237	-	1.441261649	1	2270.211918	3	757.4088135	-0.013368934	47.83075612
													VYWDNGAQIISPHDK	1	1	2xTMT6plex [N-Term; K15]	-	0.976	-	1.706125021	0	2201.175523	3	734.3970947	0.548543119	68.44437167
													ELNELVSAIEEHFFQPQK	1	1	2xTMT6plex [N-Term; K18]	-	0.975	-	1.201346755	0	2616.407374	3	872.8082886	1.123216777	103.2552267
315707006	PGM3	phosphoacetylglucosamine mutase isoform 1	11.05263158	6	13	6	570	62.902	6	1.159	1.302	1.095														
													ATIEGYYQK	2	1	2xTMT6plex [N-Term; K9]	1.159	-	1.288	1.761334658	0	1530.856815	2	765.9320679	0.028541002	54.63277295
													EAVNLQQDAFVVIGR	3	1	1xTMT6plex [N-Term]	0.858	0.829	0.934	1.650793791	0	1888.048977	3	630.0218506	1.070680812	86.80168127
													QASCSGDEYR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.247	0.991	-	1.29872787	0	1401.626609	2	701.3170166	0.105493948	22.84092549
													AFVRPSGTEDVVR	3	1	1xTMT6plex [N-Term]	1.233	1.201	1.205	1.39250195	0	1661.917235	3	554.644165	0.425530931	48.24672481
													VISTTDAER	2	1	1xTMT6plex [N-Term]	-	0.639	0.716	1.007050276	0	1220.668397	2	610.8377075	-0.211786377	45.59952828
													AFVELTK	1	1	2xTMT6plex [N-Term; K7]	-	2.376	-	0.775298774	0	1265.786945	2	633.3973999	0.456699834	68.26472337
108796653	PGP	phosphoglycolate phosphatase	14.64174455	3	4	3	321	33.985	6.14	0.786	0.825	0.788														
													TILTLTGVSTLGDVK	1	1	2xTMT6plex [N-Term; K15]	0.786	-	-	1.308890224	0	1976.204364	3	659.4064331	0.193313209	94.3594035
													MVPDFYVDSIADLLPALQG	1	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	-	1.151	-	1.420553446	0	2309.193652	3	770.4017944	-1.222101583	109.4568005
													GETAVPGAPEALR	2	1	1xTMT6plex [N-Term]	-	0.812	0.788	1.383163691	0	1496.827023	2	748.9155273	-2.167700376	51.31636182
4505785	PHKG2	phosphorylase b kinase gamma catalytic chain, liver/testis isoform isoform	4.433497537	1	1	1	406	46.413	6.38	0.998	-	-														
													MTLDVGPEDELPDWAAAK	1	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M1]	0.998	-	-	1.143625259	0	2432.241948	3	811.4211426	2.847654354	98.07358118
24475861	PHPT1	14 kDa phosphohistidine phosphatase isoform 3	48.8	5	8	5	125	13.824	6.07	0.648	0.74	0.845														
													WAEYHADIYDK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.875	0.910951436	0	1868.95832	3	623.6580811	0.732848907	63.63165086
													ISHQSQDK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.871	1.596911788	0	1400.789799	3	467.6017761	0.697170369	22.62633485
													QGCDCECLGGGR	2	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	0.924	-	0.959	1.226025224	0	1597.671862	2	799.3391113	-0.573123788	31.11255288
													SGAPAAESK	3	1	2xTMT6plex [N-Term; K9]	0.614	0.74	0.714	2.180048466	0	1275.730887	3	425.9151917	0.105806933	28.9794987
													IHVYGYSMAYGPAQHAISTEK	1	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M8]	-	-	0.839	1.510480404	0	2797.438357	4	700.114502	-0.778804471	56.56794782
56788366	PICALM	phosphatidylinositol-binding clathrin assembly protein isoform 1	6.441717791	3	4	3	652	70.71	7.9	0.498	0.724	0.296														
													ATTLSNAVSSLASTGLSLTK	1	1	2xTMT6plex [N-Term; K20]	0.344	-	-	0.942564726	0	2380.369926	3	794.1283569	0.248696967	97.30081053
													QAALEEEQAR	1	1	1xTMT6plex [N-Term]	0.717	-	-	1.016868949	0	1373.722223	2	687.3638916	-1.249719081	31.83389514
													NTLFNLSNFLDK	2	1	2xTMT6plex [N-Term; K12]	-	0.724	0.296	0.882613242	0	1884.06312	3	628.6928711	0.499129376	98.50278527
38679892	PIN4	peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 isoform 1	7.692307692	1	4	1	156	16.598	9.96	0.621	0.664	0.709														
													GGAASGSDSADK	4	1	2xTMT6plex [N-Term; K12]	0.621	0.664	0.709	1.953048229	0	1480.764372	2	740.8874512	2.197644549	24.80643296
226371739	PIP4K2C	phosphatidylinositol 5-phosphate 4-kinase type-2 gamma isoform a	2.850356295	1	1	1	421	47.27	6.84	-	3.802	-														
													NPPSESEGSDGR	1	1	1xTMT6plex [N-Term]	-	3.802	-	0.703756034	0	1460.681481	2	730.8444214	0.058529829	31.74310397
66363697	PIR	pirin	2.75862069	1	1	1	290	32.093	6.92	-	1.523	-														
													SIGRPELK	1	1	2xTMT6plex [N-Term; K8]	-	1.523	-	1.764770389	0	1357.856756	3	453.2907715	0.740330761	42.78016679
21361837	PITHD1	PITH domain-containing protein 1	9.004739336	2	2	2	211	24.163	5.74	-	2.198	1.025														
													NFGADTTK	1	1	2xTMT6plex [N-Term; K8]	-	2.198	-	2.302944183	0	1311.730887	2	656.3679199	-1.771320835	40.99636316
													DLTGELEYATK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.025	0.734550774	0	1697.936188	2	849.4716797	-0.061878062	69.94786542
546232153	PITPNB	phosphatidylinositol transfer protein beta isoform isoform 3	17.94871795	5	8	5	273	31.68	6.65	1.328	1.13	1.039														
													RGPLGPNWK	1	1	2xTMT6plex [N-Term; K9]	-	1.326	-	1.391943097	1	1482.894538	3	494.9699097	0.429783703	55.59697504
													SQVEPADYK	2	1	2xTMT6plex [N-Term; K9]	-	1.006	1.182	1.738054276	0	1494.82043	2	747.916626	3.70975872	45.04117843
													VENFIQK	2	1	2xTMT6plex [N-Term; K7]	1.328	1.337	-	1.325115204	0	1335.803658	2	668.4053345	-0.198707861	63.98875009
													TVEIVHIDIADR	2	1	1xTMT6plex [N-Term]	-	1.04	0.846	1.133274555	0	1609.911087	3	537.3093872	1.566360475	71.88640958
													ADEDPALFQSVK	1	1	2xTMT6plex [N-Term; K12]	-	1.074	-	1.17288363	0	1777.973636	2	889.4880981	-2.652610164	67.82282358
5803127	PKIA	cAMP-dependent protein kinase inhibitor alpha	11.84210526	1	2	1	76	7.984	4.54	-	1.939	1.636														
													TEGEEDAQR	2	1	1xTMT6plex [N-Term]	-	1.939	1.636	1.151531577	0	1263.60144	2	632.3041992	-0.251434107	18.63208712
33286418	PKM	pyruvate kinase PKM isoform a	65.16007533	30	107	4	531	57.9	7.84	2.128	1.887	1.727														
													EAEAAIYHLQLFEELRR	1	1	1xTMT6plex [N-Term]	-	1.519	-	1.081130743	1	2317.250196	3	773.0872192	-1.334061882	83.67298146
													LAPITSDPTEATAVGAVEASFK	6	1	2xTMT6plex [N-Term; K22]	1.843	1.742	1.856	2.841813803	0	2633.443819	2	1317.223755	-1.361542004	94.56975198
													CCSGAIIVLTK	5	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	2.19	1.867	1.708	1.631142139	0	1679.958855	2	840.482666	-0.475969246	71.7327897
													EAEAAIYHLQLFEELR	1	1	1xTMT6plex [N-Term]	-	2.062	-	1.023546576	0	2161.149085	3	721.0552368	0.958906183	91.38675527
													GDLGIEIPAEK	4	2	2xTMT6plex [N-Term; K11]	1.801	2.213	1.663	1.455527067	0	1599.935794	2	800.470459	-1.345436022	73.89792214
													IENHEGVR	2	2	1xTMT6plex [N-Term]	2.111	-	2.259	1.942816019	0	1182.642851	3	394.885437	-0.924349091	22.45401316
													MQHLIAR	1	2	1xTMT6plex [N-Term]	-	1.161	-	0.653638899	0	1097.6451	2	549.3256836	-0.919352257	34.89275583
													GIFPVLCK	1	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	1.963	0.990460932	0	1391.8485	2	696.4279785	0.1297564	88.35125241
													VNFAMNVGK	4	2	2xTMT6plex [N-Term; K9]	1.897	1.78	-	1.081529617	0	1437.828827	2	719.4170532	-1.388770798	68.96430692
													VNFAMNVGK	2	2	2xTMT6plex [N-Term; K9]; 1xOxidation [M5]	1.661	1.711	-	1.412497282	0	1453.823742	2	727.4157104	0.276951343	55.8560272
													GADFLVTEVENGGSLGSK	6	2	2xTMT6plex [N-Term; K18]	1.68	1.714	1.765	1.70410502	0	2238.201798	3	746.739563	1.044595195	88.58340249
													FGVEQDVDMVFASFIR	4	2	1xTMT6plex [N-Term]; 1xOxidation [M9]	2.186	2.193	2.07	1.487281919	0	2105.057493	3	702.3573608	0.017172705	101.9098708
													ASDVHEVRK	1	2	2xTMT6plex [N-Term; K9]	1.036	-	-	0.586469233	1	1498.874197	2	749.9404297	-0.409690821	27.14347996
													ITLDNAYMEK	2	2	2xTMT6plex [N-Term; K10]; 1xOxidation [M8]	1.96	1.367	-	1.390346169	0	1671.90278	2	836.4572144	2.61524234	61.88806075
													GDYPLEAVR	1	2	1xTMT6plex [N-Term]	-	1.781	-	1.435712695	0	1248.678568	2	624.8433228	0.641596511	58.59751636
													CDENILWLDYK	2	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.129	-	-	1.602439404	0	1927.003556	3	643.0056763	-0.560767728	88.63971442

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IYVDDGLISLQVK	4	2	2xTMT6plex [N-Term; K13]	1.887	0.959	1.641	2.042767048	0	1921.141036	2	961.0745239	0.382929493	94.32400555
													FDEILEASDGIMVAR	2	2	1xTMT6plex [N-Term]	1.567	1.757	-	2.720336676	0	1894.97818	3	632.3306274	-0.448947534	95.86338049
													APIIAVTR	3	2	1xTMT6plex [N-Term]	1.424	1.531	-	1.033669233	0	1069.693096	2	535.3496704	-0.964304333	53.26637732
													RFDEILEASDGIMVAR	5	2	1xTMT6plex [N-Term]	1.574	1.243	1.464	2.247341394	1	2051.079291	3	684.3655396	1.352762107	84.57215821
													AEGSDVANAVLDGADCIMLSGETAK	7	2	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	2.191	2.443	2.238	1.962414026	0	2952.469458	3	984.8226929	-5.396373085	94.76585754
													AEGSDVANAVLDGADCIMLSGETAK	1	2	2xTMT6plex [N-Term; K25]; 1xOxidation [M18];	1.56	-	-	1.246667504	0	2968.464373	4	742.8717041	0.206684728	88.75288675
													DPVQEAWAEDVDLR	8	2	1xTMT6plex [N-Term]	1.202	1.805	1.293	1.955044389	0	1871.933672	2	936.4731445	2.85266117	77.63250318
													GVNLPGAAVDLPAVSEK	7	2	2xTMT6plex [N-Term; K17]	2.221	1.686	2.154	1.638294578	0	2095.216326	2	1048.111206	-0.568046655	83.74502416
													VVEVGSK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.738	0.887314379	0	1175.739995	3	392.5850525	0.518227419	47.82033301
													ASDVHEVR	1	2	1xTMT6plex [N-Term]	-	-	1.706	1.019089103	0	1141.616302	3	381.2107544	1.233394786	25.6581344
													LDIDSPPITAR	5	2	1xTMT6plex [N-Term]	2.403	1.944	1.823	1.189030766	0	1426.81031	3	476.2748718	-0.173710186	65.98061242
													NTGIICTIGPASR	6	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.309	1.639	1.335	2.346997976	0	1588.867842	2	794.9375	-0.074650639	55.87911393
													GSGTAEVELK	6	2	2xTMT6plex [N-Term; K10]	1.922	1.705	1.687	2.077370405	0	1448.83608	2	724.9221802	0.692805471	48.61522456
													TATESFASDPILYRPVAVALDTK	5	2	2xTMT6plex [N-Term; K23]	1.529	1.715	1.719	1.809241652	0	2923.618095	4	731.6585083	-2.015046659	92.42912353
													LNFSHGTHEYHAETIK	2	2	2xTMT6plex [N-Term; K16]	-	1.707	1.658	2.656661987	0	2342.22935	4	586.3123169	-0.816402491	52.72964341
													SGMNVAR	1	2	1xTMT6plex [N-Term]	-	1.932	-	0.951378226	0	963.5243159	2	482.2663574	1.164842165	26.24530502
332164775	PKM	pyruvate kinase PKM isoform c	52.72727273	28	99	2	605	65.889	7.87	2.446	1.651	2.674														
													GDLGIEIPAEK	4	2	2xTMT6plex [N-Term; K11]	1.801	2.213	1.663	1.455527067	0	1599.935794	2	800.470459	-1.345436022	73.89792214
													IENHEGVR	2	2	1xTMT6plex [N-Term]	2.111	-	2.259	1.942816019	0	1182.642851	3	394.885437	-0.924349091	22.45401316
													MQHLIAR	1	2	1xTMT6plex [N-Term]	-	1.161	-	0.653638899	0	1097.6451	2	549.3256836	-0.919352257	34.89275583
													GIFPVLCK	1	2	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	1.963	0.990460932	0	1391.8485	2	696.4279785	0.1297564	88.35125241
													VNFAMNVGK	4	2	2xTMT6plex [N-Term; K9]	1.897	1.78	-	1.081529617	0	1437.828827	2	719.4170532	-1.388770798	68.96430692
													VNFAMNVGK	2	2	2xTMT6plex [N-Term; K9]; 1xOxidation [M5]	1.661	1.711	-	1.412497282	0	1453.823742	2	727.4157104	0.276951343	55.8560272
													GADFLVTEVENGGSLGSK	6	2	2xTMT6plex [N-Term; K18]	1.68	1.714	1.765	1.70410502	0	2238.201798	3	746.739563	1.044595195	88.58340249
													FGVEQDVDMVFASFIR	4	2	1xTMT6plex [N-Term]; 1xOxidation [M9]	2.186	2.193	2.07	1.487281919	0	2105.057493	3	702.3573608	0.017172705	101.9098708
													ASDVHEVRK	1	2	2xTMT6plex [N-Term; K9]	1.036	-	-	0.586469233	1	1498.874197	2	749.9404297	-0.409690821	27.14347996
													ITLDNAYMEK	2	2	2xTMT6plex [N-Term; K10]; 1xOxidation [M8]	1.96	1.367	-	1.390346169	0	1671.90278	2	836.4572144	2.61524234	61.88806075
													GDYPLEAVR	1	2	1xTMT6plex [N-Term]	-	1.781	-	1.435712695	0	1248.678568	2	624.8433228	0.641596511	58.59751636
													CDENILWLDYK	2	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.129	-	-	1.602439404	0	1927.003556	3	643.0056763	-0.560767728	88.63971442
													IYVDDGLISLQVK	4	2	2xTMT6plex [N-Term; K13]	1.887	0.959	1.641	2.042767048	0	1921.141036	2	961.0745239	0.382929493	94.32400555
													FDEILEASDGIMVAR	2	2	1xTMT6plex [N-Term]	1.567	1.757	-	2.720336676	0	1894.97818	3	632.3306274	-0.448947534	95.86338049
													APIIAVTR	3	2	1xTMT6plex [N-Term]	1.424	1.531	-	1.033669233	0	1069.693096	2	535.3496704	-0.964304333	53.26637732
													RFDEILEASDGIMVAR	5	2	1xTMT6plex [N-Term]	1.574	1.243	1.464	2.247341394	1	2051.079291	3	684.3655396	1.352762107	84.57215821
													AEGSDVANAVLDGADCIMLSGETAK	7	2	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	2.191	2.443	2.238	1.962414026	0	2952.469458	3	984.8226929	-5.396373085	94.76585754
													AEGSDVANAVLDGADCIMLSGETAK	1	2	2xTMT6plex [N-Term; K25]; 1xOxidation [M18];	1.56	-	-	1.246667504	0	2968.464373	4	742.8717041	0.206684728	88.75288675
													DPVQEAWAEDVDLR	8	2	1xTMT6plex [N-Term]	1.202	1.805	1.293	1.955044389	0	1871.933672	2	936.4731445	2.85266117	77.63250318
													GVNLPGAAVDLPAVSEK	7	2	2xTMT6plex [N-Term; K17]	2.221	1.686	2.154	1.638294578	0	2095.216326	2	1048.111206	-0.568046655	83.74502416
													VVEVGSK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.738	0.887314379	0	1175.739995	3	392.5850525	0.518227419	47.82033301
													ASDVHEVR	1	2	1xTMT6plex [N-Term]	-	-	1.706	1.019089103	0	1141.616302	3	381.2107544	1.233394786	25.6581344
													LDIDSPPITAR	5	2	1xTMT6plex [N-Term]	2.403	1.944	1.823	1.189030766	0	1426.81031	3	476.2748718	-0.173710186	65.98061242
													NTGIICTIGPASR	6	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.309	1.639	1.335	2.346997976	0	1588.867842	2	794.9375	-0.074650639	55.87911393
													CLAAALIVLTESGR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.446	1.646	2.674	1.666704059	0	1702.972307	2	851.9899292	0.161346392	99.32257365
													EAEAAMFHR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	1.667	-	0.942134857	0	1306.641137	3	436.2185059	-0.131981054	30.07365852
													GSGTAEVELK	6	2	2xTMT6plex [N-Term; K10]	1.922	1.705	1.687	2.077370405	0	1448.83608	2	724.9221802	0.692805471	48.61522456
													TATESFASDPILYRPVAVALDTK	5	2	2xTMT6plex [N-Term; K23]	1.529	1.715	1.719	1.809241652	0	2923.618095	4	731.6585083	-2.015046659	92.42912353
													LNFSHGTHEYHAETIK	2	2	2xTMT6plex [N-Term; K16]	-	1.707	1.658	2.656661987	0	2342.22935	4	586.3123169	-0.816402491	52.72964341
													SGMNVAR	1	2	1xTMT6plex [N-Term]	-	1.932	-	0.951378226	0	963.5243159	2	482.2663574	1.164842165	26.24530502
72534670	PLAA	phospholipase A-2-activating protein	2.51572327	1	2	1	795	87.101	6.37	1.234	-	1.883														
													LLVALGTLISDDSNAVQLAK	2	1	2xTMT6plex [N-Term; K20]	1.234	-	1.883	1.664649725	0	2499.47981	3	833.8319702	0.6189466	105.1541511
4505863	PLAU	urokinase-type plasminogen activator isoform 1 preproprotein	15.31322506	6	15	6	431	48.476	8.41	0.365	0.383	0.418														
													FGGQHCEIDK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.334	-	-	1.495486975	0	1648.851747	3	550.2888184	0.093839926	40.87539895
													TCYEGNGHFYR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.683	-	1.4260571	0	1632.742642	3	544.9189453	-0.219766723	34.41085259
													KPSSPPEELK	4	1	3xTMT6plex [N-Term; K1; K10]	0.419	0.518	0.375	1.775779963	0	1799.088161	3	600.3681641	0.988076926	45.53506934
													SDALQLGLGK	5	1	2xTMT6plex [N-Term; K10]	0.34	0.379	0.94	1.633261442	0	1459.88845	2	730.4472046	-0.902370529	69.5588346
													FEVENLILHK	2	1	2xTMT6plex [N-Term; K10]	0.356	0.366	-	1.221342206	0	1700.014713	3	567.3401489	-5.187880192	84.89836182
													ECQQPHYYGSEVTTK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	0.314	0.322	0.860969722	0	2285.127253	3	762.3797607	-1.104500169	45.50623008
229093316	PLBD2	putative phospholipase B-like 2 isoform 1 precursor	8.658743633	4	6	4	589	65.43	6.8	0.516	0.762	0.484														
													VLTILEQIPGMVVVADK	3	1	2xTMT6plex [N-Term; K17]	0.464	0.447	0.484	1.946522117	0	2283.376197	3	761.7965088	-0.536036425	106.4534001
													YNDFLHDPLSLCK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.753	-	-	1.29259336	0	2080.093768	3	694.0357056	-0.579128114	84.83017507
													SHGGIDVK	1	1	2xTMT6plex [N-Term; K8]	-	0.834	-	0.947374046	0	1270.751957	3	424.2554321	-0.167942516	31.27603881
													LASDGATWADIFK	1	1	2xTMT6plex [N-Term; K13]	-	0.674	-	0.952461839	0	1853.02092	2	927.0123291	-1.909804059	95.1331956
937834198	PLCB3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3	3.160453809	2	3	2	1234	138.713	5.9	-	1.019	-														
													SFDPFTEVIVDGIVANALR	1	1	1xTMT6plex [N-Term]	-	1.052	-	0.87066102	0	2292.243713	3	764.7521362	-0.810563285	107.898223
													DDLIASILSEVAPTPLDELR	2	1	1xTMT6plex [N-Term]	-	0.985	-	1.332386017	0	2396.312187	3	799.4429932	0.934532737	107.9115573
41322916	PLEC	plectin isoform 1	17.42100769	76	140	76	4684	531.466	5.96	1.477	1.554	1.542														
													AQAEQAALR	3	1	1xTMT6plex [N-Term]	1.187	1.412	1.353	1.633530259	0	1186.674151	2	593.8405762	-0.23204032	30.26319528
													LHVAILER	2	1	1xTMT6plex [N-Term]	1.91	1.758	-	1.664258599	0	1179.741108	3	393.9185486	-0.013552166	53.80054251
													DSQDAGGFGPEDR	1	1	1xTMT6plex [N-Term]	-	1.479	-	1.533753872	0	1579.718594	2	790.3651123	2.755920827	35.7356643
													LQLEETDHQK	2	1	2xTMT6plex [N-Term; K10]	2.102	-	2.143	1.887912512	0	1698.94267	3	566.9854126	-0.580153203	44.3662871
													ALAEEAK	1	1	2xTMT6plex [N-Term; K7]	-	1.661	-	2.166456699	0	1189.719259	2	595.3637695	0.843041324	39.30838621
													LQLEACETR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.232	0.982016325	0	1348.709216	2	674.8580933	-0.22709607	48.803609
													QYINAIK	1	1	2xTMT6plex [N-Term; K7]	-	1.567	-	1.395119786	0	1307.808743	2	654.4080811	0.10883042	57.72612435

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SSIAGLLLK	2	1	2xTMT6plex [N-Term; K9]	1.249	-	1.113	1.831031442	0	1359.897558	2	680.4492798	-4.614442941	89.16907827
													SIITYVSSLYDAMPR	2	1	1xTMT6plex [N-Term]	1.278	-	1.037	2.043839455	0	1945.030215	3	649.0144653	-0.705723693	100.5562508
													QQQQMEQER	3	1	1xTMT6plex [N-Term]	2.061	2.237	2.244	1.274153113	0	1433.700442	2	717.3540649	0.286819199	20.74383662
													AQQQAEAER	4	1	1xTMT6plex [N-Term]	1.806	2.47	2.105	1.624119639	0	1259.654144	2	630.3305054	-0.325270087	18.9321597
													GLHQSIEEFR	2	1	1xTMT6plex [N-Term]	1.539	1.675	-	1.206302524	0	1444.774593	3	482.2635803	1.103574775	43.91821499
													SLAAEEEAAR	2	1	1xTMT6plex [N-Term]	1.305	1.735	-	0.993733585	0	1275.674211	2	638.3403931	-0.549558172	36.16837312
													NDDIADGNPK	2	1	2xTMT6plex [N-Term; K10]	1.857	1.98	-	1.600091219	0	1516.800757	2	758.9046631	0.852123701	38.46848329
													LSAEAEK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.72	1.451339602	0	1205.714174	2	603.3607788	0.088691988	41.38109988
													VDGAEWGVDLPSVEAQLGSHR	1	1	1xTMT6plex [N-Term]	1.519	-	-	1.451182127	0	2451.246567	3	817.7506104	-3.789531187	84.83411695
													QVEEEILALK	2	1	2xTMT6plex [N-Term; K10]	0.99	-	1.813	1.309878111	0	1629.982744	2	815.4916382	-4.137708106	83.32353897
													LEDLLQDAQDEK	1	1	2xTMT6plex [N-Term; K12]	2.226	-	-	1.330432773	0	1875.011144	3	625.6756592	0.683056774	87.47155848
													LLFNDVQTLK	2	1	2xTMT6plex [N-Term; K10]	1.365	-	1.429	2.027919531	0	1649.003814	2	825.0061646	0.751066524	90.59909288
													QRLEAEAGR	1	1	1xTMT6plex [N-Term]	-	-	1.731	1.788085938	1	1258.706514	3	420.2407227	0.874642927	23.98191891
													DGRHPQGEQMYR	1	1	1xTMT6plex [N-Term]	-	1.357	-	1.705254316	1	1702.828102	4	426.4626465	0.384041994	23.41489488
													QAADAEMEK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M7]	1.319	-	-	0.479075938	0	1466.756115	2	733.8811035	-0.807958963	28.50329141
													AQAQAAAEK	3	1	2xTMT6plex [N-Term; K9]	1.738	1.794	1.774	2.014578581	0	1345.783985	2	673.3959351	0.452225019	29.88271001
													GTQGAEEVLR	2	1	1xTMT6plex [N-Term]	1.082	1.186	-	1.491999984	0	1288.705845	2	644.855896	-1.03180087	46.85127313
													QQEELLAEENQR	1	1	1xTMT6plex [N-Term]	-	1.476	-	1.395026445	0	1715.876158	2	858.4405518	-1.358323189	51.68224477
													AQAEVEGLGK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.417	0.960002124	0	1459.852064	2	730.4297485	0.106894607	49.75284137
													AEAELLQQQK	3	1	2xTMT6plex [N-Term; K10]	-	1.656	1.903	1.381970167	0	1615.941942	2	808.4759521	1.662013223	59.40942587
													LAAEQELIR	1	1	1xTMT6plex [N-Term]	0.77	-	-	0.894322872	0	1271.752067	2	636.3793335	-0.532051671	57.6740236
													HISDLYEDLR	2	1	1xTMT6plex [N-Term]	2.157	-	2.189	0.922567189	0	1489.784824	3	497.2663269	-0.265895519	58.06919577
													AQVEQELTTLR	2	1	1xTMT6plex [N-Term]	1.607	-	1.338	1.257280827	0	1516.853237	2	758.9297485	-0.67047336	59.46503172
													AAEEAEEAR	2	1	1xTMT6plex [N-Term]	-	2.029	2.028	2.420279741	0	1204.600711	2	602.8039551	-0.064555623	23.68652481
													LEQLFQDEVAK	2	1	2xTMT6plex [N-Term; K11]	-	1.293	1.039	1.483752251	0	1778.010021	2	889.508728	0.088849155	88.37849635
													FISETLRR	1	1	1xTMT6plex [N-Term]	-	-	1.774	1.09171617	1	1250.741837	3	417.5859985	1.283746511	51.99713067
													SLAQAEAEK	2	1	2xTMT6plex [N-Term; K9]	-	1.861	1.971	1.55959487	0	1404.809865	2	702.9078369	-1.04501108	43.57027218
													LRAETEQGEQQR	2	1	1xTMT6plex [N-Term]	1.275	1.113	-	1.945242405	1	1673.876826	3	558.6299438	-0.924833301	24.81700866
													ASDSELER	1	1	1xTMT6plex [N-Term]	-	-	1.829	0.978823662	0	1135.579248	2	568.2929077	-0.624175119	30.34886933
													QLAEGTAQQR	1	1	1xTMT6plex [N-Term]	1.049	-	-	1.012231946	0	1330.727643	2	665.8667603	-1.051479012	28.10470004
													EAAAATQK	2	1	2xTMT6plex [N-Term; K8]	-	1.079	1.342	1.13713336	0	1247.735972	2	624.3723145	1.106136459	29.05308871
													SDEGQLSPATR	4	1	1xTMT6plex [N-Term]	1.098	1.003	0.93	1.920218706	0	1389.717138	2	695.3606567	-2.23145657	31.13096918
													EQAELEAAR	2	1	1xTMT6plex [N-Term]	1.472	1.805	-	1.870328903	0	1245.663646	2	623.3364258	1.548598216	33.77765562
													QLAEEDLAQQR	1	1	1xTMT6plex [N-Term]	-	1.41	-	2.075360537	0	1529.812101	2	765.411438	2.286847228	45.67965413
													EQLQLLEEQHR	1	1	1xTMT6plex [N-Term]	1.159	-	-	1.0436517	0	1651.896499	3	551.3035278	-0.283894243	50.72792792
													VVIVDPETGK	2	1	2xTMT6plex [N-Term; K10]	1.147	0.813	-	1.086534739	0	1514.919416	2	757.9614868	-2.454689767	67.10137162
													LAEVEAALEK	2	1	2xTMT6plex [N-Term; K10]	-	2.123	1.794	1.486631393	0	1530.91433	2	765.9611816	0.494078104	83.34726194
													LQNVQIALDYLR	1	1	1xTMT6plex [N-Term]	1.83	-	-	1.372007847	0	1674.974021	2	837.9871826	-4.138969045	94.36769616
													QSAEEQAQAR	10	1	1xTMT6plex [N-Term]	1.827	1.977	1.906	2.930906057	0	1346.686172	3	449.566864	-0.099064643	22.66141714
													LSVAAQEAAR	1	1	1xTMT6plex [N-Term]	2.327	-	-	1.50529182	0	1244.716016	2	622.8613892	-0.413073891	45.18137857
													LLDPEDVDVPQPDEK	4	1	2xTMT6plex [N-Term; K15]	1.817	1.391	1.294	1.486600757	0	2167.153451	3	723.0559692	-0.044337034	80.58821823
													FLEGTSCIAGVFVDATK	2	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.118	1.627	-	1.621753454	0	2273.225176	3	758.4125977	-0.851803539	97.75079884
													RAAEEAEEAR	2	1	1xTMT6plex [N-Term]	-	1.816	1.946	1.71192944	1	1360.701822	3	454.2383728	-0.923862801	23.41894484
													QVAEEAAR	3	1	1xTMT6plex [N-Term]	1.989	1.965	1.88	1.580307841	0	1102.605403	2	551.8062744	-0.118475635	28.42394901
													AHEEQLK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.738	1.314369321	0	1312.762521	3	438.2588501	-0.399285494	31.12668644
													SAEAELQSK	1	1	2xTMT6plex [N-Term; K9]	-	1.635	-	1.301573157	0	1420.80478	2	710.9063721	0.484000782	42.10628398
													SLQEEHVAVAQLR	1	1	1xTMT6plex [N-Term]	-	-	1.659	0.944663942	0	1708.954348	3	570.3223267	-1.12448266	53.11008814
													RQELEAELAK	2	1	2xTMT6plex [N-Term; K10]	1.586	-	1.788	1.740074158	1	1644.968491	3	548.9937744	-1.046255793	48.80476625
													AGLVGPEFHEK	3	1	2xTMT6plex [N-Term; K11]	1.114	1.236	1.09	1.397361517	0	1641.936463	3	547.9830933	-1.057388567	54.2825623
													QLQLAQEAAQK	3	1	2xTMT6plex [N-Term; K11]	1.434	1.412	1.496	2.15831399	0	1685.99504	2	843.5006104	-0.650094958	60.3502256
													SLSAIYLEK	2	1	2xTMT6plex [N-Term; K9]	1.101	-	1.457	1.518046618	0	1481.897952	2	741.4527588	0.195005415	76.81453091
													EAQAVPATLPELEATK	3	1	2xTMT6plex [N-Term; K16]	1.689	1.688	-	1.179620385	0	2126.210906	2	1063.608276	-0.766521148	77.48372329
													QTNLENLDQAFSVAER	1	1	1xTMT6plex [N-Term]	1.003	-	-	2.238457918	0	2064.055913	3	688.6884155	-2.528709584	77.12899998
													DYELQLVTYK	1	1	2xTMT6plex [N-Term; K10]	1.262	-	-	1.478231549	0	1729.977659	2	865.4899902	-2.864135976	77.9510853
													DGHNLISLLEVLSGDSLPR	2	1	1xTMT6plex [N-Term]	1.811	-	1.848	1.871857643	0	2264.244776	3	755.4190674	-0.939453006	102.0224281
													ATTAALLLEAQAATGFLVDPVR	2	1	1xTMT6plex [N-Term]	1.145	-	0.436	1.198786259	0	2457.39144	3	819.8016357	-0.442031098	104.5191522
													QRELAEQELEK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.514	1.119138241	1	1831.032548	3	611.0162354	0.876584466	43.34212298
													AGVAAPATQVAQVTLQSVQR	2	1	1xTMT6plex [N-Term]	-	1.191	1.026	0.932127953	0	2224.261095	3	742.0923462	0.625139837	76.97461127
													AALEEVER	2	1	1xTMT6plex [N-Term]	-	1.765	1.87	1.347019672	0	1145.636369	2	573.3223877	0.986509032	43.28861656
													ESADPLGAWLQDAR	1	1	1xTMT6plex [N-Term]	-	1.415	-	2.319679499	0	1757.901978	3	586.6390381	0.331382421	88.88760979
													AEEAEAQK	1	1	2xTMT6plex [N-Term; K8]	-	1.833	-	1.380120516	0	1333.736366	2	667.3721924	0.556456016	30.20029232
													LYVHEAVK	1	1	2xTMT6plex [N-Term; K8]	-	1.365	-	0.720603228	0	1416.861507	3	472.9589844	0.630199208	48.14079936
													NTNMTAK	1	1	2xTMT6plex [N-Term; K7]	-	1.117	-	1.360033154	0	1237.697478	2	619.3520508	-0.527768305	31.68976457
													EEAAVDAQQQK	2	1	2xTMT6plex [N-Term; K11]	-	-	1.993	2.062510967	0	1674.906285	2	837.9578857	1.31959286	34.92270955
													QLAEEDAAR	2	1	1xTMT6plex [N-Term]	-	1.682	1.879	1.301174045	0	1231.647996	2	616.3275757	-0.098325831	32.56585504
													LQAEEVAQQK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.006	1.001029968	0	1601.926292	3	534.6466675	-0.526059531	48.9430427
													YLTCPK	1	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	-	-	0.808	1.106372595	0	1239.717151	2	620.3621216	-0.149054917	50.51576193
													CITDPQTGLCLLPLK	1	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl	-	-	1.449	1.614817023	0	2187.228153	3	729.7485962	1.409086754	95.08694318
													VLADPSDDTK	1	1	2xTMT6plex [N-Term; K10]	1.253	-	-	1.112938643	0	1518.841559	2	759.9251709	0.991510185	50.75742682
255958282	PLIN3	perilipin-3 isoform 1	34.56221198	10	20	10	434	47.046	5.44	0.596	0.703	0.725														
													SVVTGGVQSVMGSR	1	1	1xTMT6plex [N-Term]	-	1.196	-	1.215278745	0	1592.862756	2	796.9360352	1.279088542	55.16430221
													LGQMVLSGVDTVLGK	3	1	2xTMT6plex [N-Term; K15]	0.552	0.676	-	1.470077157	0	1975.166204	2	988.0853271	-1.431157094	100.7544123

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													TVCDAAEK	3	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.757	0.755	0.788	1.346246719	0	1351.729172	2	676.3694458	1.80696815	35.06081379
													TLTAAAVSGAQPILSK	1	1	2xTMT6plex [N-Term; K16]	0.391	-	-	1.771927595	0	1986.199947	3	662.7369995	-1.763213642	77.74969925
													VSGAQEMVSSAK	1	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M7]	-	0.392	-	1.074847102	0	1667.903842	2	834.4558105	0.301104738	38.37234612
													DTVATQLSEAVDATR	4	1	1xTMT6plex [N-Term]	0.656	0.738	0.664	2.431906223	0	1805.944237	2	903.4744873	-1.405979527	67.37374802
													LEENLPILQQPTEK	3	1	2xTMT6plex [N-Term; K14]	0.657	0.698	0.71	2.236404896	0	2110.215991	3	704.0769653	0.166545081	84.34215887
													IATSLDGFDVASVQQQR	2	1	1xTMT6plex [N-Term]	0.765	0.601	-	1.269752622	0	2064.092298	3	688.7009277	-1.970985928	78.10901454
													DIAQQLQATCTSLGSSIQGLPTNVK	1	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	-	0.758	-	2.465297461	0	3088.671269	4	772.9221802	-1.417589149	92.30285276
													LEPQIASASEYAHR	1	1	1xTMT6plex [N-Term]	-	-	0.686	2.188107014	0	1800.944178	3	600.9868164	0.954137708	51.90267264
938148809	PLOD1	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 isoform 1	21.05943152	13	37	13	774	88.217	7.11	0.755	0.641	0.69														
													LLLQQNK	4	1	2xTMT6plex [N-Term; K7]	0.813	-	-	1.03262794	0	1314.850942	2	657.9291992	0.13652308	56.57619548
													FLGSGGFIGYAPNLSK	5	1	2xTMT6plex [N-Term; K16]	0.541	0.542	0.598	1.503945827	0	2086.173733	2	1043.59082	0.302632993	93.82926829
													YIAVSFVDP	1	1	1xTMT6plex [N-Term]	-	-	0.65	0.680490792	0	1239.682256	2	620.3446655	-0.162731467	94.45271669
													IFQNLDGALDEVVLK	6	1	2xTMT6plex [N-Term; K15]	0.712	0.745	0.689	2.314495802	0	2132.236727	3	711.4164429	-0.91518765	97.49492088
													VGVWNVPYISNIYLIK	3	1	2xTMT6plex [N-Term; K16]	0.446	0.435	-	1.674628615	0	2336.378246	3	779.4648438	0.741301201	101.9834802
													SEDYVDIVQGR	1	1	1xTMT6plex [N-Term]	0.694	-	-	1.402298212	0	1509.774653	2	755.3907471	-0.288300889	57.65503356
													LQLNYLGNYIPR	3	1	1xTMT6plex [N-Term]	1.333	-	0.763	1.822492003	0	1692.963457	3	564.9929199	0.442948501	91.90231534
													FLLEYIAPMTEK	2	1	2xTMT6plex [N-Term; K12]	-	0.61	0.645	1.693187356	0	1913.085829	2	957.0462646	-0.30122701	100.4143234
													FLLEYIAPMTEK	2	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M9]	0.692	-	0.79	0.730210543	0	1929.080744	3	643.6983032	-0.200889482	95.96604065
													YPVVSDGK	1	1	2xTMT6plex [N-Term; K8]	0.776	-	-	0.488604903	0	1322.772023	2	661.888916	-1.109683849	50.0082813
													HTLGHLLSLDSYR	2	1	1xTMT6plex [N-Term]	0.633	0.584	-	1.213220358	0	1740.959434	4	435.9958496	1.226184516	58.12384077
													SAQFFNYK	1	1	2xTMT6plex [N-Term; K8]	-	0.612	-	2.005088568	0	1462.809471	3	488.2746582	-0.034201737	65.2230222
													AQVEEFLAQHGSEYQSVK	3	1	2xTMT6plex [N-Term; K18]	0.708	0.677	0.706	1.399336219	0	2508.313473	3	836.7758789	-0.155423656	71.93534083
													NLAYDTLPVLIHGNGPTK	5	1	2xTMT6plex [N-Term; K18]	0.765	0.852	0.85	2.804301739	0	2381.359301	3	794.4604492	3.146520664	83.76234227
33636742	PLOD2	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 isoform 1	17.54617414	10	30	10	758	87.043	6.71	0.347	0.366	0.318														
													SEDYVDIVQGNR	3	1	1xTMT6plex [N-Term]	0.304	0.28	0.299	2.12955904	0	1623.81758	2	812.4141235	2.087845552	54.29806326
													IIAPLVTR	2	1	1xTMT6plex [N-Term]	-	0.259	0.285	1.142475724	0	1111.740046	2	556.3728638	-1.434661766	65.12331886
													NTFYETLPVAINGNGPTK	1	1	2xTMT6plex [N-Term; K18]	-	0.445	-	0.534999192	0	2394.306931	3	798.7736816	-0.183680763	86.65554503
													GGDGINSIGGGQK	4	1	2xTMT6plex [N-Term; K13]	0.617	0.577	0.521	1.874237776	0	1617.896054	2	809.4521484	0.596994471	44.40441579
													VVFAADGILWPDK	6	1	2xTMT6plex [N-Term; K13]	0.364	0.339	0.317	2.594859838	0	1889.093692	3	630.3688354	-0.920246757	97.98673217
													IVGPEENLSQAEAR	5	1	1xTMT6plex [N-Term]	0.343	0.456	0.392	1.82376945	0	1741.928193	3	581.3143311	0.141638481	56.8665729
													IFQTLNGAVDEVVLK	6	1	2xTMT6plex [N-Term; K15]	0.265	0.261	0.284	2.361403465	0	2104.241812	2	1052.625854	1.245201174	98.11101689
													ISGGYENVPTDDIHMK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M15]	-	0.64	-	1.231392622	0	2250.147654	3	750.7213745	0.851590851	58.81121038
													YPVVHIGK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.254	0.560796857	0	1370.856028	3	457.6240234	1.086439765	52.96260478
													VGVWNVPYMANVYLIK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.245	0.8244524	0	2324.324102	3	775.4450684	-1.484385018	100.9570992
4505891	PLOD3	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor	10.8401084	7	13	7	738	84.731	6.05	0.792	0.781	0.827														
													LVGPEEALSPGEAR	2	1	1xTMT6plex [N-Term]	1.124	0.862	-	1.146375179	0	1653.900916	2	827.4545898	0.596890352	61.23996631
													YDCVISSPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.884	-	0.837375581	0	1325.672102	2	663.3391724	-0.780233238	45.81880781
													SEDYVELVQR	1	1	1xTMT6plex [N-Term]	0.786	-	-	0.76825428	0	1466.768839	2	733.8875122	-0.744061305	56.78648058
													QVGYEDQWLQLLR	1	1	1xTMT6plex [N-Term]	-	0.735	-	0.67997539	0	1877.011863	2	939.008728	-0.897077608	94.754785
													IFQNLNGALDEVVLK	5	1	2xTMT6plex [N-Term; K15]	0.691	0.672	0.643	2.02410841	0	2131.252711	3	711.0880127	-1.513829892	98.79019255
													GRDPVNPEK	2	1	2xTMT6plex [N-Term; K9]	-	0.823	0.923	1.520210624	1	1469.847648	3	490.6210022	0.548085237	30.79613229
													GLDYEGGGCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.864	1.409712195	0	1312.615316	2	656.8117676	0.718189281	35.65837657
223718250	PLS1	plastin-1	9.06200318	4	8	1	629	70.209	5.41	1.632	1.352	-														
													SISTSLPVLDLIDAIAPNAVR	2	1	1xTMT6plex [N-Term]	1.632	1.352	-	1.543689132	0	2394.380541	3	798.7980347	-0.413650244	107.7834242
													KIENCNYAVELGK	4	3	3xTMT6plex [N-Term; K1; K13]; 1xCarbamidomethyl	0.91	-	0.927	1.047693491	1	2225.2567	3	742.4240112	0.350679275	57.93101437
													LSPEELLLR	2	3	1xTMT6plex [N-Term]	-	1.061	1.068	1.28315866	0	1298.788118	2	649.8984375	1.139693211	85.71135201
													QFVTPADVVSGNPK	2	2	2xTMT6plex [N-Term; K14]	0.796	-	0.776	1.773798108	0	1917.084583	2	959.0437012	-2.325200614	70.51337577
7549809	PLS3	plastin-3 isoform 1	33.33333333	17	37	9	630	70.766	5.6	0.856	0.869	0.85														
													KIENCNYAVELGK	4	3	3xTMT6plex [N-Term; K1; K13]; 1xCarbamidomethyl	0.91	-	0.927	1.047693491	1	2225.2567	3	742.4240112	0.350679275	57.93101437
													LSPEELLLR	2	3	1xTMT6plex [N-Term]	-	1.061	1.068	1.28315866	0	1298.788118	2	649.8984375	1.139693211	85.71135201
													QFVTPADVVSGNPK	2	2	2xTMT6plex [N-Term; K14]	0.796	-	0.776	1.773798108	0	1917.084583	2	959.0437012	-2.325200614	70.51337577
													YAFVNWINK	4	2	2xTMT6plex [N-Term; K9]	0.799	0.802	0.821	1.655883074	0	1612.92517	2	806.9630127	-3.98099025	90.78352239
													VNKPPYPK	2	2	3xTMT6plex [N-Term; K3; K8]	0.849	-	0.9	1.42167151	0	1630.029524	3	544.0144653	-0.418166601	45.56933761
													ALENDPDCR	1	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.885	0.473903447	0	1318.62588	2	659.81604	-0.81678351	31.9405973
													MINLSVPDTIDER	3	2	1xTMT6plex [N-Term]	1.13	1.229	1.313	1.529257417	0	1731.914851	2	866.4620972	1.193110583	81.18116558
													IGLFADIELSR	2	2	1xTMT6plex [N-Term]	0.847	0.968	-	1.391961455	0	1462.846696	2	731.9255981	-1.897622591	94.04685232
													VYALPEDLVEVKPK	1	1	3xTMT6plex [N-Term; K12; K14]	1.269	-	-	1.288506627	0	2287.388031	3	763.1303101	-5.09514523	88.79640165
													STSIQSFK	1	1	2xTMT6plex [N-Term; K8]	0.82	-	-	1.081599832	0	1355.793487	2	678.4006348	0.373177224	50.14046619
													IDINMSGFNETDDLK	2	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M5]	-	1.109	0.75	1.329586983	0	2186.105121	3	729.3728027	-0.578932304	73.44364237
													SGNLTEDDK	1	1	2xTMT6plex [N-Term; K9]	0.751	-	-	0.808909059	0	1436.763309	2	718.8848267	-0.648840127	35.39855055
													TISSSLAVVDLIDAIQPGCINYDLVK	4	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl	0.69	0.777	0.645	1.982679129	0	3262.800886	4	816.4559326	0.310824591	105.9752012
													NEALAALLR	2	1	1xTMT6plex [N-Term]	-	0.941	1.112	1.342274547	0	1199.730938	2	600.3690186	-0.147700305	75.874794
													YTLNVLEDLGDGQK	5	1	2xTMT6plex [N-Term; K14]	0.795	0.827	0.835	1.642506123	0	2023.111192	3	675.0419312	0.023872653	91.92890466
													EANMPLPGYK	1	1	2xTMT6plex [N-Term; K10]	0.84	-	-	1.416799307	0	1577.876171	2	789.4404297	-1.640131873	62.24694093
													VDLNSNGFICDYELHELFK	2	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.875	0.843	-	2.480862379	0	2771.411473	3	924.4719849	-3.634141034	94.37621083
5453914	PLTP	phospholipid transfer protein isoform a precursor	26.77484787	10	42	10	493	54.705	7.01	0.363	0.354	0.378														
													FLEQELETITIPDLR	4	1	1xTMT6plex [N-Term]	0.376	0.384	0.384	1.277699471	0	2046.132038	2	1023.568604	-1.029952472	99.96028478
													TGLELSRDPAGR	1	1	1xTMT6plex [N-Term]	-	-	0.421	1.411417484	1	1500.833171	3	500.9499512	1.418895629	40.3145971
													VYDFLSTFITSGMR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M13]	-	0.363	0.361	1.672908425	0	1881.961802	3	627.991394	-1.154673326	100.5482752
													ATYFGSIVLLSPAVIDSPLK	6	1	2xTMT6plex [N-Term; K20]	0.304	0.312	-	2.532632113	0	2549.499483	4	638.1305542	0.354464428	103.327611
													DPVASTSNLDMDFR	2	1	1xTMT6plex [N-Term]	-	0.909	0.517	1.179690003	0	1796.868629	2	898.9382935	0.378933691	68.79499739
													DPVASTSNLDMDFR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	0.483	-	0.372	0.767800748	0	1812.863544	2	906.9337769	-1.802291779	59.03348666

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													AGALQLLLVGDK	8	1	2xTMT6plex [N-Term; K12]	0.344	0.34	0.379	1.683076143	0	1656.046013	2	828.5274658	0.991458336	95.71148544
													GAFFPLTER	1	1	1xTMT6plex [N-Term]	-	0.6	-	1.040404081	0	1266.704389	2	633.8555908	-0.381761822	72.50462535
													VPHDLDMLLR	4	1	1xTMT6plex [N-Term]	0.495	0.433	0.492	1.330137253	0	1437.808536	3	479.9414063	0.785563566	74.65717283
													VPHDLDMLLR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	-	0.263	0.247	0.826153517	0	1453.803451	3	485.2728577	0.391206973	70.30132109
													SSVDELVGIDYSLMK	6	1	2xTMT6plex [N-Term; K15]	0.409	0.399	0.406	2.395279884	0	2114.145528	2	1057.576294	-0.102740976	94.32499628
													SSVDELVGIDYSLMK	2	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M14]	0.336	0.319	-	1.781769753	0	2130.140443	3	710.718689	0.502391537	89.8736391
													AVEPQLQEEER	2	1	1xTMT6plex [N-Term]	-	0.4	0.365	1.578101516	0	1556.811767	2	778.9093018	-0.28240047	43.55086969
157168362	PNP	purine nucleoside phosphorylase	41.17647059	8	33	8	289	32.097	6.95	1.203	1.239	1.325														
													HRPQVAIICGSGLGGLTDK	4	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.821	1.007	0.963	2.531456709	0	2437.374969	3	813.1311646	1.629565576	58.21406883
													VFHLLGVDTLVVTNAAGGLNPK	2	1	2xTMT6plex [N-Term; K22]	1.199	-	1.108	1.80912149	0	2693.575442	3	898.53125	1.393946477	96.72244361
													LTQAQIFDYGEIPNFPR	6	1	1xTMT6plex [N-Term]	1.56	1.142	1.239	1.464449167	0	2238.175634	3	746.730835	1.035523208	93.57137575
													ANHEEVLAAGK	3	1	2xTMT6plex [N-Term; K11]	-	1.263	1.316	1.818600297	0	1596.910976	3	532.9750366	-0.262755235	46.09616799
													FHMYEGYPLWK	2	1	2xTMT6plex [N-Term; K11]	-	1.346	1.412	1.656797767	0	1929.013333	3	643.6762695	0.478251619	82.98150849
													FHMYEGYPLWK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M3]	0.987	1.079	-	2.211542368	0	1945.008248	3	649.006897	-1.084891045	71.72438762
													NTAEWLLSHTK	6	1	2xTMT6plex [N-Term; K11]	1.317	1.412	1.397	1.616689205	0	1757.99504	3	586.6693726	-0.839430251	67.26155229
													VIMDYESLEK	5	1	2xTMT6plex [N-Term; K10]	1.319	1.407	1.36	1.353520513	0	1684.92318	3	562.3118896	-1.22537022	78.08767379
													LGADAVGMSTVPEVIVAR	2	1	1xTMT6plex [N-Term]	-	0.993	1.267	1.034830689	0	2014.120427	3	672.0452881	0.438741299	89.26155886
													LGADAVGMSTVPEVIVAR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	-	0.914	-	1.130125284	0	2030.115342	3	677.3764648	-0.246808021	77.17215924
27436889	POFUT1	GDP-fucose protein O-fucosyltransferase 1 isoform 1 precursor	6.443298969	1	2	1	388	43.927	8.53	-	0.593	0.586														
													EHPVLALPGAPAQFPVLEEHRPLQK	2	1	2xTMT6plex [N-Term; K25]	-	0.593	0.586	0.973798871	0	3231.840658	5	647.1744995	0.845641504	79.04542421
523425724	POLR2H	DNA-directed RNA polymerases I, II, and III subunit RPABC3 isoform	7.428571429	1	1	1	175	19.755	4.67	-	1.14	-														
													IEGDETSTEAATR	1	1	1xTMT6plex [N-Term]	-	1.14	-	1.574715018	0	1608.791425	2	804.8996582	0.38217897	34.07748767
80861463	POMC	pro-opiomelanocortin preproprotein	2.621722846	1	1	1	267	29.405	7.65	-	3.044	-														
													YVMGHFR	1	1	1xTMT6plex [N-Term]	-	3.044	-	1.989331603	0	1138.602901	3	380.2063599	1.42789013	40.30085736
7705429	POMP	proteasome maturation protein	17.73049645	2	4	2	141	15.779	5.11	3.01	3.071	2.429														
													NIQGLFAPLK	2	1	2xTMT6plex [N-Term; K10]	-	2.722	2.429	1.831016421	0	1558.97212	2	779.9898682	0.21791161	91.13758017
													LPFLSSSNLSLDVLR	2	1	1xTMT6plex [N-Term]	3.01	3.457	-	1.87371099	0	1890.089779	3	630.7009277	-0.819663114	100.2432348
11056044	PPA1	inorganic pyrophosphatase	47.40484429	10	18	9	289	32.639	5.86	1.391	1.473	1.59														
													AIVDALPPPCESACTVPTDVDK	1	1	2xTMT6plex [N-Term; K22]; 2xCarbamidomethyl	1.525	-	-	2.357188463	0	2813.446538	3	938.480835	-6.606316109	83.26336393
													VIAINVDDPDAANYNDINDVK	1	1	2xTMT6plex [N-Term; K21]	-	1.332	-	1.719015002	0	2746.429959	3	916.1481934	0.024529344	86.50023055
													DPLNPIK	1	1	2xTMT6plex [N-Term; K7]	-	1.652	-	1.048292756	0	1254.782194	2	627.8956909	1.523089781	60.03214388
													HTGCCGDNDPIDVCEIGSK	3	1	2xTMT6plex [N-Term; K19]; 3xCarbamidomethyl	1.796	1.843	1.649	1.452323198	0	2592.189278	3	864.7344971	-0.131189904	52.89269027
													DVFHMVVEVPR	3	1	1xTMT6plex [N-Term]	1.223	1.302	1.333	1.213037252	0	1556.84565	3	519.6207886	1.389163182	78.83113695
													DFAIDIIK	1	1	2xTMT6plex [N-Term; K8]	1.095	-	-	1.494324207	0	1392.850274	2	696.9299316	1.660689088	87.80496352
													VLGILAMIDEGETDWK	1	1	2xTMT6plex [N-Term; K16]	-	0.661	-	1.039086819	0	2248.229927	2	1124.618286	-0.280725013	105.2491371
													VLGILAMIDEGETDWK	1	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M7]	1.263	-	-	2.090120792	0	2264.224842	3	755.4125366	-0.788422901	101.3294421
													VPDGKPENEFAFNAEFK	4	1	3xTMT6plex [N-Term; K5; K17]	-	1.578	1.681	1.426086545	0	2626.412014	4	657.3592529	1.206051729	78.87512232
													STHDHWK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.656	2.326719046	0	1368.742454	3	456.9195557	1.212245724	24.17010861
													YVANIFPYK	2	2	2xTMT6plex [N-Term; K9]	-	-	1.153	0.63105756	0	1572.919022	2	786.9632568	0.136842312	87.59968701
29171702	PPA2	inorganic pyrophosphatase 2, mitochondrial isoform 1 precursor	10.17964072	3	4	2	334	37.896	7.39	-	0.987	1.175														
													YVANIFPYK	2	2	2xTMT6plex [N-Term; K9]	-	-	1.153	0.63105756	0	1572.919022	2	786.9632568	0.136842312	87.59968701
													ILGILALIDEGETDWK	2	1	2xTMT6plex [N-Term; K16]	-	0.987	1.042	1.446182132	0	2244.289156	3	748.7682495	0.462990766	108.8947492
													GQPCSQNYR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.346	1.140500426	0	1338.642199	2	669.8245239	-0.319770614	21.79501716
10863927	PPIA	peptidyl-prolyl cis-trans isomerase A isoform 1	56.36363636	8	43	7	165	18.001	7.81	1.249	1.235	1.284														
													VSFELFADK	2	1	2xTMT6plex [N-Term; K9]	1.267	-	-	1.632339954	0	1513.866652	2	757.4346924	-3.001396701	88.54538706
													EGMNIVEAMER	5	1	1xTMT6plex [N-Term]	1.177	1.208	1.048	1.566178918	0	1507.744615	3	503.2521057	-1.891010785	69.18276508
													EGMNIVEAMER	2	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	-	1.142	1.221	1.227654457	0	1523.73953	3	508.5853577	1.305799323	49.27239412
													EGMNIVEAMER	5	1	1xTMT6plex [N-Term]; 2xOxidation [M3; M9]	1.239	1.435	1.38	1.546293139	0	1539.734445	3	513.9165649	0.452366459	36.75846945
													ITIADCGQLE	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.217	-	-	0.733790874	0	1348.697983	2	674.8534546	1.223231375	71.3459774
													FEDENFILK	12	1	2xTMT6plex [N-Term; K9]	1.375	1.356	1.442	2.120491982	0	1612.89868	3	538.3040161	-0.734776568	83.80066409
													HTGPGILSMANAGPNTNGSQFFICTAK	4	1	2xTMT6plex [N-Term; K27]; 1xCarbamidomethyl	0.837	0.89	0.913	2.159716845	0	3249.654908	3	1083.886108	-3.426768381	78.81099954
													IIPGFMCQGGDFTR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.027	1.08	1.075	1.94209528	0	1827.908327	3	609.9750977	1.320174932	89.5551068
													IIPGFMCQGGDFTR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M6];	1.142	1.054	1.093	1.337110519	0	1843.903242	3	615.303894	-3.315076928	76.55168883
													HVVFGK	2	4	2xTMT6plex [N-Term; K6]	-	1.107	0.976	2.074281454	0	1144.724285	3	382.2462463	-0.087013379	44.06375173
													ALSTGEK	2	1	2xTMT6plex [N-Term; K7]	-	-	1.342	1.185345054	0	1163.703609	2	582.355896	0.778524858	35.62715204
4758950	PPIB	peptidyl-prolyl cis-trans isomerase B precursor	45.83333333	11	25	10	216	23.728	9.41	0.588	0.583	0.625														
													DVIIADCGK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.545	-	0.546	1.573681951	0	1448.818322	2	724.9139404	1.575393782	54.5617953
													DFMIQGGDFTR	1	1	1xTMT6plex [N-Term]	-	-	1.027	1.143387437	0	1515.74633	2	758.3787231	2.533431213	68.92581955
													VLEGMEVVRK	1	1	2xTMT6plex [N-Term; K10]	-	0.712	-	0.918494701	1	1617.976219	3	539.99646	-0.860585694	62.48414153
													IGDEDVGRVIFGLFGK	2	1	2xTMT6plex [N-Term; K16]	0.509	0.442	-	0.93864882	1	2180.24796	3	727.4206543	-0.252503103	100.3194875
													IGDEDVGR	1	1	1xTMT6plex [N-Term]	0.634	-	-	0.732391477	0	1089.573768	2	545.2902832	-0.439221064	35.2440716
													TVDNFVALATGEK	2	1	2xTMT6plex [N-Term; K13]	0.613	-	0.634	1.414755106	0	1823.031485	2	912.0197144	0.3658417	86.40392863
													FPDENFK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.661	0.733186126	0	1354.740723	2	677.8751221	1.656679088	63.01803232
													HYGPGWVSMANAGK	5	1	2xTMT6plex [N-Term; K14]	0.567	0.569	0.613	2.03085351	0	1933.015458	3	645.0093994	-0.937911699	55.99912308
													HYGPGWVSMANAGK	3	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M9]	-	0.6	0.609	1.067821741	0	1949.010373	3	650.3411255	-0.795160035	47.80591276
													SIYGERFPDENFK	4	1	2xTMT6plex [N-Term; K13]	0.584	0.587	-	1.620329022	1	2060.085312	3	687.3657227	-1.309092024	62.1412436
													TAWLDGK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.602	0.74461174	0	1248.735244	2	624.8713379	0.124342811	64.3165244
													HVVFGK	2	4	2xTMT6plex [N-Term; K6]	-	1.107	0.976	2.074281454	0	1144.724285	3	382.2462463	-0.087013379	44.06375173
4505991	PPIC	peptidyl-prolyl cis-trans isomerase C precursor	13.67924528	3	11	2	212	22.749	8.4	0.242	0.268	0.253														
													TPFVVEIADW	3	1	1xTMT6plex [N-Term]	0.219	0.232	0.217	1.781078339	0	1405.756484	2	703.3817749	-0.149730992	102.2610926
													TVENFVALATGEK	6	1	2xTMT6plex [N-Term; K13]	0.245	0.278	0.269	1.974994898	0	1837.047135	2	919.0249023	-2.507906527	91.29467999
													HVVFGK	2	4	2xTMT6plex [N-Term; K6]	-	1.107	0.976	2.074281454	0	1144.724285	3	382.2462463	-0.087013379	44.06375173

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
4826932	PPID	peptidyl-prolyl cis-trans isomerase D	2.432432432	1	2	1	370	40.738	7.21	1.669	1.542	-														
													AQGIAPEDK	2	1	2xTMT6plex [N-Term; K9]	1.669	1.542	-	1.435597301	0	1386.799301	2	693.9030151	-0.394387683	50.38376437
5174637	PPIE	peptidyl-prolyl cis-trans isomerase E isoform 1	6.312292359	2	3	2	301	33.41	5.6	0.905	-	0.908														
													QIEAQGSK	2	1	2xTMT6plex [N-Term; K8]	0.905	-	0.894	2.103867531	0	1318.773086	2	659.8897095	-0.715471598	33.16839317
													AETQEGEPIAK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.945	1.238641977	0	1630.905222	2	815.9558105	-0.538103771	42.40179816
5454154	PPIH	peptidyl-prolyl cis-trans isomerase H	9.039548023	2	6	1	177	19.196	8.07	1.236	1.332	1.333														
													IELFADVVPK	4	1	2xTMT6plex [N-Term; K10]	1.236	1.332	1.333	1.969616652	0	1588.971451	3	530.3287964	0.242081226	95.80914271
													HVVFGK	2	4	2xTMT6plex [N-Term; K6]	-	1.107	0.976	2.074281454	0	1144.724285	3	382.2462463	-0.087013379	44.06375173
7706339	PPIL1	peptidyl-prolyl cis-trans isomerase-like 1	16.86746988	2	5	2	166	18.225	7.99	1.154	1.175	1.059														
													QFEDELHPDLK	4	1	2xTMT6plex [N-Term; K11]	1.154	1.175	1.115	1.602928877	0	1828.984535	3	610.3323364	-1.136664972	61.87671971
													VGMVETNSQDRPVDDVK	1	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M3]	-	-	0.977	1.107055545	0	2363.227695	3	788.4143066	0.28412915	50.79944574
14277126	PPIL3	peptidyl-prolyl cis-trans isomerase-like 3 isoform PPIL3a	7.878787879	1	1	1	165	18.615	7.01	1.222	-	-														
													VIDGLETLDELEK	1	1	2xTMT6plex [N-Term; K13]	1.222	-	-	1.679845452	0	1932.094145	3	644.7009888	-2.966636704	94.48623836
7661862	PPM1F	protein phosphatase 1F	3.964757709	1	1	1	454	49.8	5.1	1.399	-	-														
													APVTLLDAQSLAQSFFNR	1	1	1xTMT6plex [N-Term]	1.399	-	-	1.557931542	0	2207.202183	3	736.4070435	1.990792292	101.6536614
29826282	PPM1G	protein phosphatase 1G	6.043956044	3	10	3	546	59.235	4.36	1.347	1.393	1.376														
													CSGDGVGAPR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.275	1.323	1.229	1.085503936	0	1204.594187	2	602.8019409	2.007901055	25.68660348
													QLIVANAGDSR	3	1	1xTMT6plex [N-Term]	1.544	1.66	1.857	1.179069877	0	1372.774593	2	686.8912354	0.437641495	48.12821256
													ALEDAFLAIDAK	4	1	2xTMT6plex [N-Term; K12]	1.336	1.372	1.287	1.833824396	0	1735.004208	2	868.0045776	-1.342461622	95.60801736
409971401	PPME1	protein phosphatase methylesterase 1 isoform b	6.25	2	3	2	400	43.842	5.85	1.554	0.923	1.658														
													GLSNLFLSCPIPK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.554	-	1.658	1.494567394	0	1904.107962	3	635.3735962	-0.906653307	94.46223714
													LLLLAGVDRLDK	1	1	2xTMT6plex [N-Term; K12]	-	0.923	-	1.109882355	1	1784.140976	3	595.3856812	0.848658851	92.47815442
4506003	PPP1CA	serine/threonine-protein phosphatase PP1-alpha catalytic subunit isoform 1	36.06060606	9	23	9	330	37.488	6.33	1.058	1.024	1.166														
													LLEVQGSRPGK	2	1	2xTMT6plex [N-Term; K11]	-	0.796	0.862	1.1911695	0	1642.005211	3	548.0058594	-1.33133865	51.33641194
													IMRPTDVPDQGLLCDLLWSDPDK	1	1	2xTMT6plex [N-Term; K23]; 1xCarbamidomethyl	-	0.98	-	1.515351176	0	3142.631713	3	1048.214478	-0.9015892	97.69842332
													TFTDCFNCLPIAAIVDEK	6	1	2xTMT6plex [N-Term; K18]; 2xCarbamidomethyl	1.155	1.041	1.304	1.969645739	0	2572.319153	3	858.1105347	-0.817249326	100.1730442
													IYGFYDECK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.169	1.102	-	0.909668744	0	1652.839451	2	826.9226074	-0.915319542	69.47282923
													AHQVVEDGYEFFAK	1	1	2xTMT6plex [N-Term; K14]	0.643	-	-	1.19502306	0	2098.100962	3	700.0370483	-2.082764628	70.66334187
													HDLDLICR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.145	1.112	1.155	1.808487296	0	1270.677522	3	424.2303772	-0.742807035	49.09174807
													EIFLSQPILLELEAPLK	4	1	2xTMT6plex [N-Term; K17]	1.307	1.241	1.261	1.598782539	0	2411.456556	3	804.4896851	-0.851727647	104.5195739
													NVQLTENEIR	2	1	1xTMT6plex [N-Term]	-	1.021	1.152	1.699067473	0	1444.795723	2	722.9016113	0.154635182	50.61224186
													LNLDSIIGR	2	1	1xTMT6plex [N-Term]	1.041	-	1.083	1.383897424	0	1229.741502	2	615.3756714	2.084831188	83.21467626
14149716	PPP1R12C	protein phosphatase 1 regulatory subunit 12C isoform a	2.173913043	1	1	1	782	84.83	5.57	1.537	-	-														
													AAEFLAACAGGDLDEAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.537	-	-	1.260259748	0	1965.953756	3	655.9904175	1.496958612	35.14915574
199559805	PPP1R18	phostensin	1.794453507	1	1	1	613	67.902	5.4	-	-	0.753														
													EEAGAQGRPLR	1	1	1xTMT6plex [N-Term]	-	-	0.753	0.879558623	0	1412.780741	3	471.5982666	-0.350192565	24.26012997
613410235	PPP1R2	protein phosphatase inhibitor 2 isoform 1	4.854368932	1	1	1	206	23.057	4.82	0.789	-	-														
													LAAAEGLEPK	1	1	2xTMT6plex [N-Term; K10]	0.789	-	-	2.132552147	0	1456.877551	3	486.2979431	1.184180305	61.46230304
4506013	PPP1R7	protein phosphatase 1 regulatory subunit 7 isoform 1	9.166666667	3	3	3	360	41.539	4.91	-	0.987	1.019														
													IEGFEVLK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.966	1.385989785	0	1392.850274	2	696.9284668	-0.44268667	85.04540899
													NIEGVDK	1	1	2xTMT6plex [N-Term; K7]	-	0.987	-	1.344957352	0	1232.725073	2	616.8666382	0.751714399	43.91504338
													AIENIDTLTNLESLFLGK	1	1	2xTMT6plex [N-Term; K18]	-	-	1.11	0.741946936	0	2449.395412	3	817.1364136	-0.295818854	105.1076975
57222565	PPP2CB	serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	19.41747573	5	9	5	309	35.552	5.43	1.263	1.336	1.296														
													QLNENQVR	1	1	1xTMT6plex [N-Term]	1.565	-	-	1.280852079	0	1229.679965	2	615.3432007	-0.683074325	29.09444402
													ESNVQEVR	2	1	1xTMT6plex [N-Term]	-	-	1.335	1.671231151	0	1189.637431	2	595.3212891	-1.790196697	24.94069714
													YGNANVWK	3	1	2xTMT6plex [N-Term; K8]	1.439	1.407	1.258	1.604187846	0	1409.794156	2	705.4002075	-0.721581185	55.10492843
													YSFLQFDPAPR	2	1	1xTMT6plex [N-Term]	1.148	-	-	2.077349901	0	1569.826295	3	523.9468384	-0.211885405	81.02171841
													GAGYTFGQDISETFNHANGLTLVSR	1	1	1xTMT6plex [N-Term]	-	1.096	-	1.399567604	0	2884.4427	3	962.1489258	-3.631965457	89.36697352
21361399	PPP2R1A	serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha	26.99490662	13	30	13	589	65.267	5.11	1.159	1.088	1.121														
													EAATSNLK	2	1	2xTMT6plex [N-Term; K8]	1.446	-	1.651	1.389372945	0	1291.762187	2	646.3843384	-0.609014721	36.73578015
													ELVSDANQHVK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.846	0.844297767	0	1697.958655	3	566.6575928	-0.252980063	41.89758273
													VLAMSGDPNYLHR	1	1	1xTMT6plex [N-Term]	1.15	-	-	1.203426242	0	1701.894391	3	567.9689331	-1.260186064	57.26621188
													EWAHATIIPK	1	1	2xTMT6plex [N-Term; K10]	1.145	-	-	0.844359279	0	1623.962284	3	541.991394	-1.634693811	59.09696537
													LTQDQDVDVK	1	1	2xTMT6plex [N-Term; K10]	-	0.816	-	0.92148906	0	1618.905222	2	809.9573364	1.342982611	57.83035076
													NLCSDDTPMVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.149	-	0.887239039	0	1536.734779	2	768.8688965	-2.773791098	49.05838938
													TDLVPAFQNLMK	1	1	2xTMT6plex [N-Term; K12]	-	0.933	-	1.259378433	0	1835.050112	3	612.3551636	0.449743934	94.58525348
													TDLVPAFQNLMK	2	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M11]	1.08	-	1.102	2.179486513	0	1851.045027	3	617.6842651	-3.665502321	82.25994825
													DNTIEHLLPLFLAQLK	2	1	2xTMT6plex [N-Term; K16]	-	1.069	1.085	1.362683177	0	2323.378974	3	775.1300659	-1.433156678	103.2086996
													ENVIMSQILPCIK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	1.141	-	1.064406276	0	2003.143361	3	668.3848267	-1.714370323	94.53587429
													AVGPEITK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.153	1.470170259	0	1272.792759	2	636.9002686	0.394219225	53.7605508
													QLSQSLLPAIVELAEDAK	8	1	2xTMT6plex [N-Term; K18]	1.137	1.136	1.096	2.438113928	0	2383.384847	2	1192.199341	2.75139394	104.3798395
													LNIISNLDCVNEVIGIR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.185	1.203	1.198	1.971429467	0	2171.205554	3	724.4072266	0.724144933	99.11732433
													LSTIALALGVER	3	1	1xTMT6plex [N-Term]	-	1.122	1.069	1.411010146	0	1471.904545	3	491.3069763	1.243895255	94.25435014
294832006	PPP2R2A	serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha	5.689277899	2	6	2	457	52.966	6.49	1.679	1.54	1.487														
													DEISVDSLDFNK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.188	1.868795037	0	1839.97403	3	613.9967651	0.930643655	78.86970203
													SFFSEIISSISDVK	5	1	2xTMT6plex [N-Term; K14]	1.679	1.54	1.835	1.971185923	0	2017.125779	2	1009.064697	-1.815186136	104.0972858
30065645	PPP2R4	serine/threonine-protein phosphatase 2A activator isoform a	6.424581006	2	2	2	358	40.641	5.94	-	1.245	-														
													FGSLLPIHPVTSG	1	1	1xTMT6plex [N-Term]	-	1.063	-	0.996368527	0	1553.888895	2	777.4484863	0.515665086	91.88422721
													VDDQIAIVFK	1	1	2xTMT6plex [N-Term; K10]	-	1.552	-	1.158802152	0	1605.961615	3	535.9920654	0.017571443	90.02338046
194688147	PPP3CA	serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	13.89432485	6	15	6	511	57.622	6.3	1.155	1.096	1.204														
													QTLQSAIK	2	1	2xTMT6plex [N-Term; K8]	1.122	-	1.176	1.101460934	0	1346.840772	2	673.9229126	-1.650480691	49.56731365
													AHEAQDAGYR	8	1	1xTMT6plex [N-Term]	1.238	1.152	1.257	2.016518831	0	1346.665043	3	449.559845	-0.045458884	20.2792355

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													YLFLGDYVDR	1	1	1xTMT6plex [N-Term]	-	1.233	-	1.324452519	0	1489.788846	2	745.3970947	-1.297873104	86.49129534
													SQTTGFPSLITIFSAPNYLDVYNNK	1	1	2xTMT6plex [N-Term; K25]	-	0.674	-	1.017056823	0	3248.72435	3	1083.581299	1.53685996	103.9430941
													ITSFEEAK	2	1	2xTMT6plex [N-Term; K8]	1.086	1.012	-	1.139833927	0	1382.793153	2	691.8991089	-1.599253336	58.20567527
													IITEGASILR	1	1	1xTMT6plex [N-Term]	-	1.172	-	1.240644932	0	1301.799017	2	651.4042358	1.672969221	71.93127574
4506025	PPP3R1	calcineurin subunit B type 1	23.52941176	3	4	3	170	19.288	4.81	1.281	1.357	-														
													TIINADK	1	1	2xTMT6plex [N-Term; K7]	1.211	-	-	0.785663426	0	1232.761459	2	616.8853149	1.536917625	48.74212839
													VIDIFDTDGNGEVDFK	2	1	2xTMT6plex [N-Term; K16]	1.286	1.357	-	2.021114588	0	2242.16435	3	748.057312	-3.107174033	95.66499026
													ISFEEFCAVVGGLDIHK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.535	-	-	1.592687726	0	2379.278274	3	793.7630615	-1.531102825	98.19820154
746816144	PPP4C	serine/threonine-protein phosphatase 4 catalytic subunit isoform 1	5.211726384	1	1	1	307	35.057	5.06	0.978	-	-														
													CGNVAAILELDEHLQK	1	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.978	-	-	1.623203278	0	2268.242223	3	756.7510376	-1.615148062	87.30127228
108936953	PPP4R1	serine/threonine-protein phosphatase 4 regulatory subunit 1 isoform a	1.789473684	1	1	1	950	106.936	4.77	-	-	1.237														
													TSQAALLALLEQELIER	1	1	1xTMT6plex [N-Term]	-	-	1.237	2.359066486	0	2127.22225	3	709.7461548	0.780992898	103.773228
5453958	PPP5C	serine/threonine-protein phosphatase 5 isoform 1	7.815631263	4	8	4	499	56.842	6.28	1.043	0.829	0.992														
													CAYQILVQVK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.269	-	-	1.313690543	0	1679.991869	3	560.6685791	-0.407951565	78.16166016
													LSTLVETTLK	3	1	2xTMT6plex [N-Term; K10]	1.365	0.658	0.992	1.651455164	0	1562.976931	2	781.9934082	1.669427231	86.51922175
													AEGYEVAHGGR	2	1	1xTMT6plex [N-Term]	0.798	0.837	-	1.637201786	0	1374.696343	3	458.9032593	-0.813574557	26.17892165
													TQANDYFK	2	1	2xTMT6plex [N-Term; K8]	1.051	1.018	-	1.215322137	0	1444.783651	2	722.8942871	-1.628569959	51.2024846
255918192	PPP6R3	serine/threonine-protein phosphatase 6 regulatory subunit 3 isoform 4	3.526734926	3	5	3	879	98.423	4.64	1.276	1.526	1.534														
													LIEFLLK	2	1	2xTMT6plex [N-Term; K7]	-	1.526	1.461	1.24353981	0	1333.885931	2	667.4470215	0.62635697	100.6915078
													QEIIEQLLSNIFHK	2	1	2xTMT6plex [N-Term; K14]	1.329	-	1.719	1.791564822	0	2170.26361	3	724.0918579	-1.193283396	105.5310502
													KPEQIVDFLK	1	1	3xTMT6plex [N-Term; K1; K10]	1.263	-	-	2.2501266	0	1904.182396	3	635.3972778	-2.686603929	78.53203458
4506031	PPT1	palmitoyl-protein thioesterase 1 isoform 1 precursor	9.803921569	4	4	4	306	34.171	6.52	-	1.123	-														
													KIPGIYVLSLEIGK	1	1	3xTMT6plex [N-Term; K1; K14]	-	1.282	-	1.184550405	1	2217.418938	3	739.8115845	0.569314146	95.50310319
													IPGIYVLSLEIGK	1	1	2xTMT6plex [N-Term; K13]	-	0.923	-	1.092087507	0	1860.161043	3	620.7255249	0.526114142	101.696057
													TLNAGAYSK	1	1	2xTMT6plex [N-Term; K9]	-	1.044	-	1.083021998	0	1382.804386	2	691.9052124	-0.895141298	53.97778527
													GINESYK	1	1	2xTMT6plex [N-Term; K7]	-	1.006	-	1.832548976	0	1268.725073	2	634.8658447	-0.520409732	40.51484538
117306169	PRCP	lysosomal Pro-X carboxypeptidase isoform 2 precursor	2.127659574	1	3	1	517	58.062	7.4	-	0.874	0.923														
													SGPHCSESIHR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.874	0.923	2.213115215	0	1495.727326	4	374.6874084	0.31963651	27.55919152
32455266	PRDX1	peroxiredoxin-1	44.22110553	9	35	6	199	22.096	8.13	1.79	1.841	1.768														
													QGGLGPMNIPLVSDPK	5	1	2xTMT6plex [N-Term; K16]	1.526	1.847	-	1.827116966	0	2081.182917	3	694.3998413	0.986730078	90.13509682
													QGGLGPMNIPLVSDPK	2	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M7]	1.369	1.647	-	1.268694878	0	2097.177832	2	1049.088501	-3.865564832	76.02214767
													LVQAFQFTDK	4	1	2xTMT6plex [N-Term; K10]	1.752	1.564	-	1.942641735	0	1654.956864	3	552.3242798	0.859427517	86.14774412
													ADEGISFR	1	1	1xTMT6plex [N-Term]	1.707	-	-	1.245439887	0	1123.594504	2	562.3008423	-0.085315198	46.2199373
													ATAVMPDGQFK	4	1	2xTMT6plex [N-Term; K11]	1.86	1.992	2.111	1.553060651	0	1622.897634	3	541.6378784	0.892005679	61.66736277
													ATAVMPDGQFK	5	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M5]	1.754	1.768	1.728	1.739950061	0	1638.892549	3	546.968689	-0.631966671	51.50439375
													DISLSDYK	4	1	2xTMT6plex [N-Term; K8]	2.016	2.007	1.741	1.63810122	0	1398.788067	2	699.8988037	1.618266504	63.38113705
													IGHPAPNFK	1	1	2xTMT6plex [N-Term; K9]	2.114	-	-	1.210831285	0	1438.85709	3	480.2900696	-0.997194075	46.18604016
													QITVNDLPVGR	3	2	1xTMT6plex [N-Term]	1.842	1.845	-	1.673391342	0	1440.837194	3	480.9506836	0.210982373	65.25179487
													SVDETLR	2	2	1xTMT6plex [N-Term]	-	1.999	2.142	1.636202455	0	1048.583605	2	524.7958374	0.756644185	34.1257855
													GLFIIDDK	4	2	2xTMT6plex [N-Term; K8]	2.047	1.997	-	1.004392982	0	1378.834624	2	689.9205933	-0.517543257	82.46042379
32189392	PRDX2	peroxiredoxin-2	24.24242424	6	17	5	198	21.878	5.97	1.436	1.378	1.373														
													EGGLGPLNIPLLADVTR	5	1	1xTMT6plex [N-Term]	1.428	1.419	1.356	1.361364722	0	1964.137792	2	982.5731201	0.596518421	100.0310354
													ATAVVDGAFK	4	1	2xTMT6plex [N-Term; K10]	1.515	-	1.363	2.56069231	0	1436.851336	2	718.930603	1.804824634	59.60515892
													RLSEDYGVLK	2	1	2xTMT6plex [N-Term; K10]	-	1.433	1.493	1.847738862	1	1637.962677	3	546.6596069	0.970797933	52.19862806
													EGGLGPLNIPLLADVTRR	2	1	1xTMT6plex [N-Term]	-	1.16	1.182	2.339070797	1	2120.238903	3	707.4157104	-2.98307532	95.93468065
													LSEDYGVLK	1	1	2xTMT6plex [N-Term; K9]	1.229	-	-	0.969908774	0	1481.861566	2	741.4329834	-1.940993133	65.853595
													QITVNDLPVGR	3	2	1xTMT6plex [N-Term]	1.842	1.845	-	1.673391342	0	1440.837194	3	480.9506836	0.210982373	65.25179487
5802974	PRDX3	thioredoxin-dependent peroxide reductase, mitochondrial isoform a	18.359375	4	9	4	256	27.675	7.78	1.195	1.318	1.299														
													GLFIIDPNGVIK	3	1	2xTMT6plex [N-Term; K12]	1.371	1.476	1.466	1.655417085	0	1744.077313	3	582.0310059	0.659998336	96.18823119
													HLSVNDLPVGR	3	1	1xTMT6plex [N-Term]	1.047	1.134	1.089	1.646664619	0	1435.821878	3	479.2792664	0.952745105	54.69669539
													GTAVVNGEFK	2	1	2xTMT6plex [N-Term; K10]	1.087	-	1.117	1.448014736	0	1479.85715	2	740.4326172	0.545968238	58.44126952
													DYGVLLEGSGLALR	1	1	1xTMT6plex [N-Term]	-	1.045	-	1.333589911	0	1691.952951	3	564.6553955	-0.779085826	90.3568843
5453549	PRDX4	peroxiredoxin-4 precursor	9.594095941	3	7	1	271	30.521	6.29	0.949	-	-														
													QITLNDLPVGR	1	1	1xTMT6plex [N-Term]	0.949	-	-	1.1798172	0	1454.852844	2	727.9297485	-0.428324892	73.37744781
													SVDETLR	2	2	1xTMT6plex [N-Term]	-	1.999	2.142	1.636202455	0	1048.583605	2	524.7958374	0.756644185	34.1257855
													GLFIIDDK	4	2	2xTMT6plex [N-Term; K8]	2.047	1.997	-	1.004392982	0	1378.834624	2	689.9205933	-0.517543257	82.46042379
6912238	PRDX5	peroxiredoxin-5, mitochondrial isoform a precursor	22.89719626	3	9	3	214	22.012	8.57	1.136	1.111	1.192														
													THLPGFVEQAEALK	2	1	2xTMT6plex [N-Term; K14]	0.91	1.014	-	1.496194839	0	1998.142433	3	666.7181396	-1.284615474	74.54940734
													VGDAIPAVEVFEGEPGNK	5	1	2xTMT6plex [N-Term; K18]	1.241	1.279	1.238	2.388760328	0	2286.238183	3	762.7507935	-0.155757571	89.60224437
													ETDLLLDDSLVSIFGNR	2	1	1xTMT6plex [N-Term]	-	1.033	0.847	1.751264095	0	2136.13858	3	712.7174683	-0.340874347	101.5279603
4758638	PRDX6	peroxiredoxin-6	63.39285714	12	47	12	224	25.019	6.38	1.172	1.237	1.333														
													LSILYPATTGR	1	1	1xTMT6plex [N-Term]	-	-	1.134	0.785407901	0	1420.836131	2	710.9212036	-0.704045608	75.23796124
													DGDSVMVLPTIPEEEAK	6	1	2xTMT6plex [N-Term; K17]	1.153	1.278	1.267	1.702236772	0	2288.209585	2	1144.601563	-6.00329624	85.96121624
													DGDSVMVLPTIPEEEAK	1	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M6]	0.834	-	-	0.801303029	0	2304.2045	2	1152.60791	1.754840987	75.72057607
													VVFVFGPDK	3	1	2xTMT6plex [N-Term; K9]	1.15	1.174	1.16	1.153217554	0	1465.881908	2	733.4414063	-4.346994096	90.4057099
													DFTPVCTTELGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.05	-	-	0.615466893	0	1624.820223	2	812.9142456	0.610234242	61.49503184
													LAPEFAK	1	1	2xTMT6plex [N-Term; K7]	-	1.344	-	1.380910516	0	1233.76073	2	617.3847046	1.136508606	65.89244892
													FHDFLGDSWGILFSHPR	2	1	1xTMT6plex [N-Term]	1.248	-	1.274	2.224037886	0	2260.150088	4	565.7931519	0.305100037	94.54064204
													DINAYNCEEPTEK	5	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.279	1.284	1.298	1.890345097	0	2040.994842	3	681.003479	0.510506787	55.96671024
													ELAILLGMLDPAEK	17	1	2xTMT6plex [N-Term; K14]	1.271	1.289	1.308	2.460690022	0	1971.160056	2	986.0825195	-1.163785504	105.1078136
													ELAILLGMLDPAEK	3	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M8]	-	1.032	1.074	1.203574181	0	1987.154971	3	663.0569458	0.660593845	100.1492134
													RVATPVDWK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.984	1.354063392	1	1529.920419	3	510.645752	1.492776583	54.28879281

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													NFDEILR	1	1	1xTMT6plex [N-Term]	1.223	-	-	1.748942375	0	1135.630889	2	568.3189697	-0.199445856	63.94549081
													LPFPIIDDR	2	1	1xTMT6plex [N-Term]	1.2	-	0.85	1.608727932	0	1314.761903	2	657.8822632	-3.539570777	92.4789815
													LIALSIDSVEDHLAWSK	3	1	2xTMT6plex [N-Term; K17]	1.002	0.986	1.053	1.914295554	0	2355.332418	3	785.7826538	0.420418695	96.81133574
41349456	PREP	prolyl endopeptidase	25.49295775	15	40	15	710	80.648	5.86	1.243	1.241	1.257														
													GGGEYGETWHK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.366	1.559496045	0	1678.858941	3	560.2897339	-2.556629232	39.82076365
													AFVEAQNK	1	1	2xTMT6plex [N-Term; K8]	1.157	-	-	1.862739682	0	1364.793821	2	682.9007568	0.30460416	46.58454719
													NILQLHDLTTGALLK	2	1	2xTMT6plex [N-Term; K15]	1.285	1.306	-	2.271865368	0	2108.284346	3	703.4324951	-0.670487565	90.74222
													VFLDPNILSDDGTVALR	4	1	1xTMT6plex [N-Term]	1.209	1.173	1.279	1.799777508	0	2074.138186	3	692.0509644	0.074241151	96.4023558
													TFPLDVGSIVGYSGQK	4	1	2xTMT6plex [N-Term; K16]	1.298	1.348	1.309	2.113233566	0	2126.189777	3	709.4020996	0.926068852	94.12485952
													SDGTETSTNLHQK	5	1	2xTMT6plex [N-Term; K13]	1.228	1.146	1.142	2.470489025	0	1875.98124	3	625.9981689	-0.685941861	29.1505056
													YTIGHAWTTDYGCSDSK	3	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.026	1.327	1.178	1.524812102	0	2420.159281	3	807.3925171	1.535754097	59.28457607
													ITVPFLEQCPIR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.195	1.159	1.19	1.511523008	0	1701.955929	2	851.4769287	-5.492456043	93.31675519
													VLVPEHEK	3	1	2xTMT6plex [N-Term; K8]	1.309	1.315	1.337	1.889377117	0	1408.856422	3	470.2901001	-0.478776276	45.34841265
													DVLEWIACVR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.075	1.01	1.351	3.303749323	0	1489.803451	2	745.4070435	2.254910915	96.554965
													LWYCDLQQESSGIAGILK	3	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.331	1.373	1.278	2.048420429	0	2539.363066	3	847.1262207	0.410520019	98.62473245
													ELPDVLER	1	1	1xTMT6plex [N-Term]	-	1.292	-	1.424885631	0	1199.683319	2	600.3464966	1.998672504	65.55939354
													QSNPLLIHVDTK	2	1	2xTMT6plex [N-Term; K12]	-	1.008	1.083	1.506059766	0	1823.079104	3	608.3651733	1.021732698	60.51796446
													EGCDPVNR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.204	0.905520856	0	1175.567637	2	588.2869263	-0.902968833	23.02020849
													QHFEWLVK	2	1	2xTMT6plex [N-Term; K8]	-	1.314	1.294	1.186634898	0	1544.898955	3	515.6373901	-0.866030648	67.08173582
70778815	PREPL	prolyl endopeptidase-like isoform 1	2.200825309	1	1	1	727	83.873	6.38	-	-	0.672														
													QENEKPLPENMDAFEK	1	1	3xTMT6plex [N-Term; K5; K16]; 1xOxidation [M11]	-	-	0.672	0.901822269	0	2622.368829	3	874.7947388	0.31799821	87.15094035
574280091	PRKCSH	glucosidase 2 subunit beta isoform 3 precursor	31.02803738	12	36	12	535	60.154	4.41	0.587	0.688	0.559														
													EAPPPLSPPQPASPAEEDK	1	1	2xTMT6plex [N-Term; K19]	-	-	0.388	0.636875212	0	2415.280776	3	805.7648926	-0.269842592	63.23982152
													ETMVTSTTEPSR	3	1	1xTMT6plex [N-Term]	0.677	0.863	0.795	1.344750047	0	1567.783503	2	784.3956909	0.384202242	36.25670806
													ETMVTSTTEPSR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	0.511	1.07	-	0.761894286	0	1583.778418	3	528.597229	-0.810787839	38.56301841
													SLEDQVEMLR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	0.368	0.448	-	0.818047822	0	1464.75656	2	732.881958	0.053985507	55.52949969
													MPPYDEQTQAFIDAAQEAR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	0.75	1.167	0.502	1.787428737	0	2426.149555	3	809.3862915	-2.157372479	73.7526846
													ERESLQQMAEVTR	1	1	1xTMT6plex [N-Term]	-	1.032	-	1.03985548	1	1805.937712	3	602.6503906	-0.605438932	45.5290949
													LWEEQLAAAK	6	1	2xTMT6plex [N-Term; K10]	0.69	0.599	0.569	1.506778955	0	1616.941214	2	808.9743652	0.148501843	78.98090911
													VNDGVCDCCDGTDEYNSGVICENTCK	3	1	2xTMT6plex [N-Term; K26]; 5xCarbamidomethyl	0.623	0.612	0.622	2.611234188	0	3499.458061	3	1167.157959	0.360908205	59.4317661
													AQQEQELAADAFK	4	1	2xTMT6plex [N-Term; K13]	0.609	0.61	0.717	2.276685953	0	1907.027462	2	954.0161133	-1.317446943	63.34783343
													LIELQAGK	3	1	2xTMT6plex [N-Term; K8]	-	0.436	0.44	1.478641868	0	1329.850608	3	443.9546814	-0.839944382	68.26825324
													LGGSPTSLGTWGSWIGPDHDK	3	1	2xTMT6plex [N-Term; K21]	0.485	0.61	0.676	1.840998173	0	2626.366571	3	876.1235962	-3.935541936	89.25594425
													EEAEKPER	1	1	2xTMT6plex [N-Term; K5]	-	-	0.565	1.763848662	0	1445.800029	3	482.6047668	-0.19472464	28.62430047
													ILIEDWK	2	1	2xTMT6plex [N-Term; K7]	0.545	0.895	-	0.752365172	0	1374.839709	2	687.9227905	-1.021555679	82.88957254
154759421	PRMT1	protein arginine N-methyltransferase 1 isoform 1	32.88409704	10	26	10	371	42.434	5.35	0.757	0.762	0.829														
													QLVTNACLIK	5	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.789	0.82	0.809	1.888904452	0	1617.976219	3	539.9970703	0.270917146	69.15474288
													EPLVDVVDPK	3	1	2xTMT6plex [N-Term; K10]	0.728	0.743	0.774	1.602631927	0	1568.92998	3	523.649353	2.247074169	75.02463446
													WLAPDGLIFPDR	4	1	1xTMT6plex [N-Term]	0.762	0.718	0.753	2.259323359	0	1628.899794	2	814.9505005	-3.72608767	96.21884753
													TGFSTSPESPYTHWK	2	1	2xTMT6plex [N-Term; K15]	0.764	0.783	-	1.753652334	0	2183.11734	3	728.3776245	0.449071215	58.04877262
													VEDLTFTSPFCLQVK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	0.782	0.821	1.111879349	0	2242.219362	3	748.078064	0.123188006	96.98061779
													VIGIECSSISDYAVK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.091	-	-	1.399343491	0	2099.145863	3	700.3863525	-0.647307477	82.32206517
													VVLDVGSGTGILCMFAAK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	0.894	-	-	2.42574358	0	2296.280917	3	766.0994263	1.223164193	101.5442562
													LDHVVTIIK	3	1	2xTMT6plex [N-Term; K9]	0.713	0.838	-	1.505376697	0	1495.961221	2	748.4833984	-1.136864363	72.34618514
													VEEVELPVEK	4	1	2xTMT6plex [N-Term; K10]	0.719	0.707	-	1.952591896	0	1628.95111	2	814.9790039	-0.232332019	72.82928498
													EVDIYTVK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.077	0.875570059	0	1424.840103	2	712.9238281	0.194309522	62.28115291
20070220	PRMT5	protein arginine N-methyltransferase 5 isoform a	6.279434851	3	4	3	637	72.638	6.29	1.854	1.772	0.951														
													DLNCVPEIADTLGAVAK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.96	-	0.786194086	0	2244.23099	3	748.7480469	-0.624853238	93.96049669
													AAILPTSIFLTNK	2	1	2xTMT6plex [N-Term; K13]	1.854	1.457	-	1.416962147	0	1847.140642	3	616.385437	0.604217747	95.9150736
													VPLVAPEDLR	1	1	1xTMT6plex [N-Term]	-	-	0.951	1.799362063	0	1337.799017	2	669.4042969	1.719196957	74.39501404
4506113	PRNP	major prion protein preproprotein	12.25296443	3	11	3	253	27.643	9	0.615	0.715	0.585														
													VVEQMCITQYER	4	1	1xTMT6plex [N-Term]; 1xOxidation [M5];	0.393	0.4	0.504	1.127363801	0	1800.882172	2	900.9429932	-1.922403325	51.80554152
													QHTVTTTTK	4	1	2xTMT6plex [N-Term; K9]	0.735	0.747	-	2.051500797	0	1474.862963	3	492.2929688	0.942168889	25.28993726
													GENFTETDVK	3	1	2xTMT6plex [N-Term; K10]	-	1.051	1.329	1.564423442	0	1597.847373	3	533.2870483	-0.488839223	49.36980617
34335272	PROCR	endothelial protein C receptor precursor	14.28571429	3	6	3	238	26.655	7.18	1.14	1.774	1.421														
													TLAFPLTIR	2	1	1xTMT6plex [N-Term]	-	1.448	1.449	0.699791372	0	1260.787724	2	630.8973389	-0.256336272	89.85385169
													HISAENTK	1	1	2xTMT6plex [N-Term; K8]	-	1.873	-	1.124816775	0	1357.783985	3	453.2661438	-0.078623343	38.21320453
													TQSGLQSYLLQFHGLVR	3	1	1xTMT6plex [N-Term]	1.14	-	1.353	3.34190774	0	2176.207603	3	726.0739136	-0.190853732	89.8830829
7657381	PRPF19	pre-mRNA-processing factor 19	1.587301587	1	1	1	504	55.146	6.61	0.915	-	-														
													ATVLTTER	1	1	1xTMT6plex [N-Term]	0.915	-	-	0.705892861	0	1119.657104	2	560.3328857	1.242178851	39.12459071
84875539	PRPS2	ribose-phosphate pyrophosphokinase 2 isoform 1	4.049844237	1	1	1	321	35.032	6.46	1.23	-	-														
													NCIIVSPDAGGAK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.23	-	-	1.149080634	0	1759.977676	2	880.4892578	-3.657321958	56.56026198
558472786	PRRC1	protein PRRC1 isoform 1	3.03030303	1	2	1	462	48.876	5.3	0.681	0.776	-														
													WSGLLVTVGEVLEK	2	1	2xTMT6plex [N-Term; K14]	0.681	0.776	-	1.593641996	0	1988.183235	3	663.3985596	-1.060897721	103.966583
115298682	PRRC2C	protein PRRC2C	0.354987575	1	3	1	2817	308.419	9.07	1.335	1.262	-														
													ENNSEDQGSK	3	1	2xTMT6plex [N-Term; K10]	1.335	1.262	-	1.6776582	0	1565.78075	2	783.3942871	0.34984384	24.55007193
4506145	PRSS1	trypsin-1 preproprotein	7.287449393	2	38	1	247	26.541	6.51	0.846	0.866	0.851														
													TLNNDIMLIK	10	1	2xTMT6plex [N-Term; K10]	0.83	0.846	0.897	1.825419068	0	1632.975885	3	544.9973755	1.034029259	80.92905275
													TLNNDIMLIK	8	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M7]	0.87	0.884	0.824	2.048571348	0	1648.9708	3	550.3287964	0.628416317	74.8155685
													NKPGVYTK	20	3	3xTMT6plex [N-Term; K2; K8]	1.381	1.079	1.047	1.438874602	0	1593.993139	3	532.0025635	-0.001047879	119.1840195
170296790	PRSS3	trypsin-3 isoform 1 preproprotein	2.631578947	1	1	1	304	32.478	7.49	-	1.906	-														
													NRPGVYTK	1	1	2xTMT6plex [N-Term; K8]	-	1.906	-	1.260908842	0	1392.836355	3	464.9476318	-5.752716146	43.8354485

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
110224476	PSAP	prosaposin isoform b preproprotein	30.74003795	14	49	14	527	58.445	5.14	0.811	0.923	0.893														
													EMPMQTLVPAK	2	1	2xTMT6plex [N-Term; K11]; 2xOxidation [M2; M4]	0.322	-	0.326	1.539614916	0	1734.953435	3	578.9889526	-0.651758036	52.21544646
													GCSFLPDPYQK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.107	-	1.149	0.776503384	0	1769.929663	3	590.6471558	-1.553166152	70.91987635
													TASDCGAVK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.064	1.014	1.066	1.239423871	0	1366.740071	2	683.8731689	-0.739137892	30.85949293
													QEILAALEK	2	1	2xTMT6plex [N-Term; K9]	0.572	-	0.6	1.524273992	0	1472.908851	2	736.9569702	-1.484952929	78.72985838
													NVIPALELVEPIK	7	1	2xTMT6plex [N-Term; K13]	0.968	0.974	1.014	1.238471508	0	1893.182506	3	631.7328491	0.785779119	97.61927137
													IPELDMTEVVAPFMANIPLLLYPQDGPR	4	1	1xTMT6plex [N-Term]; 2xOxidation [M6; M14]	0.295	0.298	-	1.627580047	0	3400.773402	4	850.9492188	0.48302836	103.7231472
													DGGFCEVCK	2	1	2xTMT6plex [N-Term; K9]; 2xCarbamidomethyl	1.139	1.171	-	1.454930425	0	1529.749256	2	765.3765869	-2.195805529	49.28445052
													GSAVWCQNVK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.213	1.297	1.51208055	0	1606.877568	2	803.942627	0.254733937	52.13317372
													HLAELNHQK	6	1	2xTMT6plex [N-Term; K9]	1.244	1.154	1.18	2.815835238	0	1547.905831	4	387.7316895	-0.583619159	31.44214281
													SLPCDICK	2	1	2xTMT6plex [N-Term; K8]; 2xCarbamidomethyl	1.269	-	1.219	1.23366797	0	1450.779828	2	725.8947754	1.686011346	55.44218818
													EIVDSYLPVILDIIK	11	1	2xTMT6plex [N-Term; K15]	0.759	0.773	0.782	2.668806553	0	2188.324479	2	1094.666748	0.795290537	109.0280724
													LVGYLDRNLEK	2	1	2xTMT6plex [N-Term; K11]	0.4	-	0.352	1.133321404	1	1778.05764	3	593.3579102	0.864335731	70.37548334
													EILDAFDK	3	1	2xTMT6plex [N-Term; K8]	0.598	0.572	0.458	2.093186617	0	1408.808803	3	470.2739258	-1.120490053	80.1104108
													DVVTAAGDMLK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M9]	-	0.42	-	1.898699641	0	1593.892215	2	797.4488525	-1.120867433	58.25652786
17402893	PSAT1	phosphoserine aminotransferase isoform 1	25.13513514	9	20	9	370	40.397	7.66	1.11	1.083	1.107														
													ALELNMLSLK	2	1	2xTMT6plex [N-Term; K10]	-	0.992	1.032	1.181738734	0	1589.970071	2	795.4898071	1.425560049	94.00294861
													ECPSVLEYK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.068	-	-	1.225414634	0	1582.855101	2	791.9301147	-1.357223293	59.21120762
													FGTINIVHPK	2	1	2xTMT6plex [N-Term; K10]	1.173	1.156	-	0.893641472	0	1583.967369	3	528.6600952	-1.033206555	66.08118564
													NNGGAAAMEK	1	1	2xTMT6plex [N-Term; K10]	-	1.327	-	1.300303102	0	1420.761869	2	710.8842163	-0.502007288	43.48904564
													LPHSVLLEIQK	2	1	2xTMT6plex [N-Term; K11]	1.017	1	-	1.466377497	0	1735.088212	3	579.0344849	0.39713822	78.6956101
													DDLLGFALR	2	1	1xTMT6plex [N-Term]	1.413	-	1.433	0.82954967	0	1248.714953	2	624.8613892	0.439203768	87.99941642
													ELLAVPDNYK	3	1	2xTMT6plex [N-Term; K10]	1.126	-	1.113	1.32976687	0	1619.940879	2	810.4765015	2.992053444	74.13389184
													ASLYNAVTIEDVQK	5	1	2xTMT6plex [N-Term; K14]	1.045	1.015	1.033	2.325693369	0	2009.131927	2	1005.068115	-1.480002985	77.35702803
													IINNTENLVR	2	1	1xTMT6plex [N-Term]	-	1.079	1.306	1.624186158	0	1414.821543	2	707.914856	0.630336785	61.41569952
23110935	PSMA1	proteasome subunit alpha type-1 isoform 1	31.97026022	8	25	8	269	30.22	6.99	0.962	1.023	0.963														
													THAVLVALK	6	1	2xTMT6plex [N-Term; K9]	0.973	0.997	0.988	1.966361046	0	1409.924442	3	470.6461182	-0.45416463	54.27904578
													QGSATVGLK	3	1	2xTMT6plex [N-Term; K9]	-	1.128	1.096	1.194205642	0	1318.809471	2	659.9085083	0.203662143	51.99857375
													NQYDNDVTVWSPQGR	3	1	1xTMT6plex [N-Term]	1.033	1.26	-	1.031195164	0	2007.972183	2	1004.489563	-0.166244055	58.21891296
													IHQIEYAMEAVK	2	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M8]	0.955	0.91	-	1.861336589	0	1906.050841	3	636.020874	-1.45430522	55.26306729
													AQPAQPADEPAEK	3	1	2xTMT6plex [N-Term; K13]	0.887	-	0.876	2.207034349	0	1809.974699	3	603.9973145	1.487075691	36.11407243
													NVSIGIVGK	3	1	2xTMT6plex [N-Term; K9]	1.103	1.017	0.722	1.364793658	0	1344.861507	3	448.9581909	-1.106036634	65.37122178
													TQIPTQR	1	1	1xTMT6plex [N-Term]	-	1.055	-	1.543455482	0	1072.631224	2	536.8190308	-0.409084271	39.94990279
													ETLPAEQDLTTK	4	1	2xTMT6plex [N-Term; K12]	0.999	1.052	0.935	1.830170751	0	1804.010415	2	902.5081177	-0.807416867	59.92873252
4506181	PSMA2	proteasome subunit alpha type-2	45.72649573	8	28	8	234	25.882	7.43	1.002	0.949	0.984														
													LAQQYYLVYQEPIPTAQLVQR	4	1	1xTMT6plex [N-Term]	0.852	0.755	0.786	1.940128088	0	2750.507867	3	917.5036621	-4.156974795	92.48357012
													LVQIEYALAAVAGGAPSVGIK	8	1	2xTMT6plex [N-Term; K21]	0.893	0.741	0.939	1.873607874	0	2485.479416	4	622.1255493	0.382580366	104.4704853
													HIGLVYSGMGPDYR	2	1	1xTMT6plex [N-Term]	1.033	-	1.01	2.376039743	0	1793.920605	3	598.6455078	0.760734614	57.76071761
													HIGLVYSGMGPDYR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M9]	1.02	-	1.098	1.143081665	0	1809.91552	3	603.9772339	0.899445382	51.80167509
													ATAMGK	1	1	2xTMT6plex [N-Term; K6]	-	0.935	-	1.06981492	0	1036.622522	2	518.8149414	0.08080328	33.57766324
													GYSFSLTTFSPSGK	1	1	2xTMT6plex [N-Term; K14]	1.011	-	-	1.444210649	0	1937.04205	2	969.0201416	-4.668575406	83.28186818
													RYNEDLELEDAIHTAILTLK	2	1	2xTMT6plex [N-Term; K20]	-	1.098	0.823	1.71102035	1	2815.56058	4	704.6455078	-0.134374662	97.20525223
													AANGVVLATEK	5	1	2xTMT6plex [N-Term; K11]	1.113	1.136	1.05	3.03062892	0	1530.925564	2	765.9658813	-0.703884443	57.1174818
													YNEDLELEDAIHTAILTLK	3	1	2xTMT6plex [N-Term; K19]	0.932	0.948	1.022	2.225427628	0	2659.459469	3	887.1577148	-0.329942517	100.965018
4506183	PSMA3	proteasome subunit alpha type-3 isoform 1	30.58823529	8	22	8	255	28.415	5.33	1.074	1.196	1.148														
													IIYIVHDEVK	6	1	2xTMT6plex [N-Term; K10]	0.988	1.041	1.109	1.822556734	0	1687.019464	3	563.0106812	-1.170006044	71.20197402
													LYEEGSNK	1	1	2xTMT6plex [N-Term; K8]	-	0.998	-	1.540696859	0	1397.767666	2	699.3869019	-0.814877243	42.71262946
													HVGMAVAGLLADAR	2	1	1xTMT6plex [N-Term]	1.012	0.993	-	1.56749475	0	1609.904562	3	537.3069458	1.069990349	73.00226011
													EEDESDDDNM	1	1	1xTMT6plex [N-Term]; 1xOxidation [M10]	-	1.843	-	1.736611485	0	1443.526679	2	722.2677612	1.085127805	21.46241471
													HEIVPK	1	1	2xTMT6plex [N-Term; K6]	-	1.422	-	0.656243861	0	1180.745415	3	394.2533569	0.087115122	35.95360772
													AVENSSTAIGIR	4	1	1xTMT6plex [N-Term]	1.686	1.384	1.627	1.097386003	0	1446.811373	2	723.9089355	-0.537876785	47.82751534
													DGVVFGVEK	3	1	2xTMT6plex [N-Term; K9]	1.039	1.024	1.021	1.306125522	0	1407.824787	2	704.4172363	1.711119361	68.71951337
													VFQVEYAMK	3	1	2xTMT6plex [N-Term; K9]	-	1.079	1.062	1.071646333	0	1572.886007	3	524.9658813	-1.854118492	78.68492888
													VFQVEYAMK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M8]	-	-	1.015	1.405575395	0	1588.880922	3	530.2993774	1.672223627	70.22384105
4506185	PSMA4	proteasome subunit alpha type-4 isoform 1	47.50957854	11	36	11	261	29.465	7.72	1.136	1.081	1.115														
													LNEDMACSVAGITSDANVLTNELR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.156	1.265	-	2.516967535	0	2822.386173	3	941.4681396	1.30826722	95.4596325
													TTIFSPEGR	3	1	1xTMT6plex [N-Term]	1.872	1.02	0.96	1.878261209	0	1236.678568	2	618.8445435	2.621986139	57.63032462
													LLDEVFFSEK	3	1	2xTMT6plex [N-Term; K10]	-	1.099	1.141	1.383824348	0	1684.956195	2	842.982666	1.104100662	95.84957553
													QAYTQFGGK	5	1	2xTMT6plex [N-Term; K9]	1.114	1.153	1.155	1.442094922	0	1457.815285	3	486.6098022	-0.296012618	48.39900204
													YLLQYQEPIPCEQLVTALCDIK	10	1	2xTMT6plex [N-Term; K22]; 2xCarbamidomethyl	0.936	0.979	0.962	1.493896842	0	3152.677601	4	788.9226074	-2.854973974	100.8699018
													SALALAIK	2	1	2xTMT6plex [N-Term; K8]	0.974	-	1.057	1.243215442	0	1244.83423	3	415.6156311	-1.517944645	72.06260758
													HEEEEAK	2	1	2xTMT6plex [N-Term; K7]	-	0.967	-	1.771487474	0	1329.705066	3	443.9064331	-0.240499643	30.99860784
													KHEEEEAK	2	1	3xTMT6plex [N-Term; K1; K8]	1.178	-	1.229	1.66709125	1	1686.962961	4	422.4961243	-0.174058171	23.66239347
													HYGFQLYQSDPSGNYGGWK	3	1	2xTMT6plex [N-Term; K19]	-	0.996	1.004	2.383483887	0	2662.309057	3	888.1065674	-1.467809138	72.25011348
													EGEMTLK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.182	1.379083872	0	1265.717545	2	633.3626099	0.314625142	48.48030149
													VEIATLTR	3	1	1xTMT6plex [N-Term]	1.229	1.257	1.121	1.397897243	0	1131.69349	2	566.3504028	0.034880524	57.35689708
23110942	PSMA5	proteasome subunit alpha type-5 isoform 1	39.41908714	6	21	6	241	26.394	4.79	1.012	0.947	0.975														
													GVNTFSPEGR	6	1	1xTMT6plex [N-Term]	0.855	0.804	0.863	1.600046992	0	1292.67963	2	646.8430786	-0.57998395	40.32678113
													ITSPLMEPSSIEK	1	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M6]	-	0.988	-	1.304949164	0	1906.060737	2	953.5342407	0.245587826	68.02834412
													LFQVEYAIEAIK	5	1	2xTMT6plex [N-Term; K12]	1.076	1.084	1.046	2.880497217	0	1882.109007	2	941.5605469	2.555595867	98.66985453
													AIGSASEGAQSSLQEVYHK	3	1	2xTMT6plex [N-Term; K19]	1.146	1.239	1.272	3.183514118	0	2420.282173	3	807.4313965	-1.048223593	57.88490596
													GPQLFHMDPSGTFVQCDAR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M7];	0.921	0.876	0.918	1.748325586	0	2408.132466	3	803.381958	-0.475533044	61.27140944

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LNATNIELATVQPGQNFHMFTK	3	1	2xTMT6plex [N-Term; K22]; 1xOxidation [M19]	1.122	-	0.93	1.323313832	0	2948.570433	3	983.5275879	-0.753883339	82.43893006
23110944	PSMA6	proteasome subunit alpha type-6 isoform a	42.27642276	9	29	9	246	27.382	6.76	1.093	1.118	1.06														
													HITIFSPEGR	1	1	1xTMT6plex [N-Term]	-	1.08	-	0.732826233	0	1385.773865	3	462.5964355	0.64102856	52.29318423
													LYQVEYAFK	2	1	2xTMT6plex [N-Term; K9]	1.017	1.047	-	2.016339064	0	1618.924501	2	809.9649048	-1.215695782	79.12559986
													LLDSSTVTHLFK	1	1	2xTMT6plex [N-Term; K12]	1.145	-	-	1.133247495	0	1819.072956	3	607.0300903	1.518177753	85.86286173
													DCAVIVTQK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.121	1.129	1.092	1.618656278	0	1491.860521	3	497.9588928	1.075359777	50.91197615
													AINQGGLTSVAVR	3	1	1xTMT6plex [N-Term]	0.792	1.056	0.996	1.709951997	0	1514.885206	2	757.9457397	-0.662391981	57.26018853
													QTESTSFLEK	6	1	2xTMT6plex [N-Term; K10]	1.015	1.04	1.005	1.463924646	0	1627.894323	2	814.4500122	-0.967658597	54.36866665
													ILTEAEIDAHLVALAERD	3	1	1xTMT6plex [N-Term]	1.192	1.117	1.098	1.661846399	1	2208.207328	3	736.7403564	-0.367648478	93.39045525
													YGYEIPVDMLCK	6	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.138	1.237	1.077	1.792308807	0	1946.016763	3	649.3442383	0.718484946	90.79773207
													CDPAGYYCGFK	4	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	1.021	1.042	-	1.480169654	0	1795.854784	3	599.2896118	-0.279343734	62.24298432
4506189	PSMA7	proteasome subunit alpha type-7	40.72580645	9	22	9	248	27.87	8.46	1.083	1.122	1.151														
													NYTDEAIETDDLTIK	2	1	2xTMT6plex [N-Term; K15]	1.138	-	1.201	1.569643259	0	2199.14328	2	1100.075195	-0.075367986	71.83109479
													GRDIVVLGVEK	1	1	2xTMT6plex [N-Term; K11]	0.942	-	-	2.21267271	1	1643.025612	3	548.3461914	-0.968372762	61.57167412
													YVAEIEK	2	1	2xTMT6plex [N-Term; K7]	1.135	-	1.171	1.533872962	0	1309.776774	2	655.3911743	-1.299677335	55.29411523
													ILNPEEIEK	2	1	2xTMT6plex [N-Term; K9]	1.129	1.138	-	1.728926897	0	1542.91433	3	514.9758301	-0.903022026	71.94833672
													DIVVLGVEK	1	1	2xTMT6plex [N-Term; K9]	-	1.088	-	0.82178098	0	1429.903037	2	715.4547729	-0.537170383	79.67333672
													ICALDDNVCMAFAGLTADAR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.207	1.612	1.603143215	0	2413.151152	3	805.0560303	0.988429718	96.05773012
													LTVEDPVTVEYITR	6	1	1xTMT6plex [N-Term]	1.063	1.071	1.135	2.776607513	0	1864.02651	3	622.0143433	1.054880468	81.85802227
													ALLEVVQSGGK	3	1	2xTMT6plex [N-Term; K11]	1.118	1.204	1.14	1.370913744	0	1558.956864	3	520.3244019	1.147258432	75.4309195
													LYQTDPSGTYHAWK	3	1	2xTMT6plex [N-Term; K14]	1.092	1.109	1.087	1.832475901	0	2125.111861	3	709.0426636	0.741995132	60.78464221
4506193	PSMB1	proteasome subunit beta type-1	46.8879668	8	24	8	241	26.472	8.13	0.822	0.92	0.845														
													NMQNVEHVPLSLDR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M2]	-	0.803	-	1.547806382	0	1896.979912	3	632.998291	0.215203584	47.99112958
													TVIGCSGFHGDCLTLTK	3	1	2xTMT6plex [N-Term; K17]; 2xCarbamidomethyl	0.923	-	0.952	1.639967918	0	2324.214294	3	775.4104004	1.012738748	68.41003234
													AGGSASAMLQPLLDNQVGFK	3	1	2xTMT6plex [N-Term; K20]	0.888	0.882	0.982	2.083159685	0	2462.34775	3	821.4519043	-2.676615995	94.28042021
													AGGSASAMLQPLLDNQVGFK	3	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M8]	0.703	-	0.724	2.474931955	0	2478.342665	3	826.7835083	-2.700896752	83.94544674
													FFPYYVYNIIGGLDEEGK	3	1	2xTMT6plex [N-Term; K18]	0.66	0.766	0.67	1.630486846	0	2582.358298	3	861.4558105	-2.0988216	105.0849174
													EGIREETVSLR	1	1	1xTMT6plex [N-Term]	0.892	-	-	1.287784457	1	1517.848486	3	506.6210327	0.038518029	41.88651642
													GAVYSFDPVGSYQR	5	1	1xTMT6plex [N-Term]	0.755	1.027	0.724	1.482708931	0	1774.896165	2	887.9505005	-1.375000682	65.77343054
													DVFISAAER	3	1	1xTMT6plex [N-Term]	-	0.964	0.853	1.811152577	0	1236.678568	2	618.8435059	0.943946778	54.00968236
													LSEGFSIHTR	2	1	1xTMT6plex [N-Term]	-	0.946	0.968	1.499878407	0	1375.75313	3	459.256073	0.389702287	53.01068404
4506195	PSMB2	proteasome subunit beta type-2 isoform 1	8.457711443	2	3	2	201	22.822	7.02	0.853	-	0.91														
													VAASNIVQMK	2	1	2xTMT6plex [N-Term; K10]	0.856	-	0.91	1.303512216	0	1518.907805	2	759.9554443	-2.760613982	62.72061395
													NLADCLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.85	-	-	1.218209743	0	1090.587645	2	545.796936	-0.962049857	48.21381336
22538465	PSMB3	proteasome subunit beta type-3	39.51219512	7	12	7	205	22.933	6.55	1.004	1.002	1.139														
													RFGPYYTEPVIAGLDPK	1	1	2xTMT6plex [N-Term; K17]	1.125	-	-	0.951209307	1	2381.326939	3	794.4440918	-3.870341878	84.24285962
													FGPYYTEPVIAGLDPK	2	1	2xTMT6plex [N-Term; K16]	0.974	0.873	-	1.292713881	0	2225.225828	2	1113.116699	0.132160744	93.8681409
													LYIGLAGLATDVQTVAQR	4	1	1xTMT6plex [N-Term]	0.915	0.898	-	1.830067396	0	2118.212019	3	706.7427979	0.85960927	97.60883436
													LNLYELK	2	1	2xTMT6plex [N-Term; K7]	1.187	-	1.139	1.622678757	0	1350.839709	2	675.9235229	0.044689564	78.81663377
													NCVAIAADRR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.04	-	-	2.075477362	1	1374.747333	3	458.9204712	-0.343863756	30.22510837
													FGIQAQMVTTDFQK	1	1	2xTMT6plex [N-Term; K14]	0.872	-	-	1.994980335	0	2072.125068	3	691.378479	-2.019249873	82.43405561
													DAVSGMGVIVHIIEK	1	1	2xTMT6plex [N-Term; K15]	-	1.101	-	1.359775305	0	2026.177103	3	676.0637207	-0.244115198	93.32150787
22538467	PSMB4	proteasome subunit beta type-4	31.81818182	6	17	6	264	29.185	5.97	0.929	0.963	0.996														
													TQNPMVTGTSVLGVK	4	1	2xTMT6plex [N-Term; K15]	0.938	0.983	0.934	1.57689476	0	1990.140718	3	664.0499268	-2.759069503	74.91960552
													TQNPMVTGTSVLGVK	2	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M5]	0.824	0.768	-	1.463824034	0	2006.135633	3	669.3829956	-0.597862664	63.36008889
													AIHSWLTR	1	1	1xTMT6plex [N-Term]	-	1.098	-	1.167822123	0	1212.705057	3	404.9062805	-0.634150291	47.56476523
													QVLGQMVIDEELLGDGHSYSPR	3	1	1xTMT6plex [N-Term]	0.911	1	0.989	2.124898195	0	2672.355131	3	891.4576416	1.212639986	89.34304305
													QVLGQMVIDEELLGDGHSYSPR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	1.159	-	1.758595705	0	2688.350046	3	896.7870483	-1.284870054	79.51035038
													QPVLSQTEAR	1	1	1xTMT6plex [N-Term]	0.691	-	-	1.252521038	0	1357.763694	2	679.3843384	-1.68964025	35.37657287
													FQIATVTEK	3	1	2xTMT6plex [N-Term; K9]	1	0.9	1.064	1.145300746	0	1494.893201	2	747.9477539	-3.324490002	66.7371574
													VNNSTMLGASGDYADFQYLK	2	1	2xTMT6plex [N-Term; K20]	-	0.951	0.934	2.281352997	0	2652.337973	3	884.78125	-3.309046618	89.49353482
4506201	PSMB5	proteasome subunit beta type-5 isoform 1	28.51711027	5	10	5	263	28.462	6.92	1.193	1.202	1.233														
													RGPGLYYVDSEGNR	1	1	1xTMT6plex [N-Term]	1.106	-	-	0.650565684	1	1811.923777	3	604.6460571	-0.087417188	43.61072971
													DAYSGGAVNLYHVR	2	1	1xTMT6plex [N-Term]	-	0.96	1.118	1.721047401	0	1750.907398	3	584.3078003	0.827793011	56.35421734
													HGVIVAADSR	3	1	1xTMT6plex [N-Term]	1.305	1.394	1.328	1.817311287	0	1253.71635	3	418.577301	0.797306482	28.44459461
													ATAGAYIASQTVK	3	1	2xTMT6plex [N-Term; K13]	1.187	1.183	1.133	1.375157356	0	1739.010356	2	870.0093994	0.670713731	55.32684049
													VIEINPYLLGTMAGGAADCSFWER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.877	-	2.057623625	0	2899.432001	3	967.1497192	0.897801653	102.245305
23110925	PSMB6	proteasome subunit beta type-6 isoform 1 precursor	15.48117155	3	9	3	239	25.341	4.92	1.232	1.301	1.284														
													QVLLGDQIPK	2	1	2xTMT6plex [N-Term; K10]	-	1.307	1.295	1.237063408	0	1568.977599	3	523.6644897	0.839233321	68.99544657
													EECLQFTANALALAMER	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.398	1.339	1.211	1.746504545	0	2196.09904	3	732.7039795	-0.753596904	96.66993049
													TTTGSYIANR	4	1	1xTMT6plex [N-Term]	1.127	1.266	1.273	1.750821948	0	1312.705845	2	656.8580322	2.241761272	32.9753312
4506203	PSMB7	proteasome subunit beta type-7 precursor	28.5198556	6	26	6	277	29.946	7.68	1.141	1.109	1.18														
													ATEGMVVADK	2	1	2xTMT6plex [N-Term; K10]	-	1.065	1.06	1.874903917	0	1478.828886	2	739.9174805	-0.81267854	50.16776505
													ITPLEIEVLEETVQTMDTS	5	1	1xTMT6plex [N-Term]	1.015	1.026	1.213	1.403362751	0	2377.22574	3	793.0784302	-2.104252269	108.1443136
													ITPLEIEVLEETVQTMDTS	8	1	1xTMT6plex [N-Term]; 1xOxidation [M16]	1.111	1.048	1.26	1.879904747	0	2393.220655	3	798.4113159	-0.526510621	102.618205
													FRPDMEEEEAK	2	1	2xTMT6plex [N-Term; K11]	1.281	1.235	-	1.500558496	0	1838.93587	3	613.6488037	-2.181874448	49.70846462
													DGIVLGADTR	4	1	1xTMT6plex [N-Term]	1.096	1.043	1.137	1.294959307	0	1245.700031	2	623.3544922	1.345689137	52.10660393
													GTTAVLTEK	4	1	2xTMT6plex [N-Term; K9]	-	1.194	1.204	0.989397883	0	1377.835352	2	689.4213867	0.105293786	50.8030189
													LPYVTMGSGSLAAMAVFEDK	1	1	2xTMT6plex [N-Term; K20]	-	0.613	-	1.716463447	0	2545.344639	3	849.121582	2.18202033	100.8228088
73747875	PSMB8	proteasome subunit beta type-8 isoform E2 precursor	12.31884058	3	4	3	276	30.335	7.43	0.932	0.68	-														
													FQHGVIAAVDSR	2	1	1xTMT6plex [N-Term]	0.932	0.559	-	1.513770938	0	1528.843342	2	764.9251099	-0.26061103	49.72161151
													ISVSAASK	1	1	2xTMT6plex [N-Term; K8]	-	0.815	-	1.085039735	0	1220.761459	2	610.8840332	-0.547874235	49.96610476

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VESTDVSDLLHQYR	1	1	1xTMT6plex [N-Term]	-	0.865	-	0.811949432	0	1890.975872	3	630.9974976	1.093523092	72.83580495
4506205	PSMB9	proteasome subunit beta type-9 precursor	4.566210046	1	3	1	219	23.25	5.03	0.587	0.587	0.612														
													VSAGEAVVNR	3	1	1xTMT6plex [N-Term]	0.587	0.587	0.612	1.928682804	0	1230.700366	2	615.8538208	-0.000665018	38.55970067
24430151	PSMC1	26S protease regulatory subunit 4	10.68181818	4	6	4	440	49.154	6.21	1.108	1.131	1.217														
													DDLSGADIK	2	1	2xTMT6plex [N-Term; K9]	-	1.146	1.212	1.502583981	0	1391.778231	2	696.394043	1.852707165	51.13660966
													DLLEPGCSVLLNHK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.019	-	1.221	1.149094462	0	2053.151617	3	685.055603	0.311000915	73.0759475
													TMLELLNQLDGFDSR	1	1	1xTMT6plex [N-Term]	1.471	-	-	2.318733454	0	1981.026193	3	661.0147095	1.707482709	101.0909152
													IEFPLPDEK	1	1	2xTMT6plex [N-Term; K9]	-	1.106	-	0.994469702	0	1545.892867	2	773.449646	-0.550625358	83.37215374
4506209	PSMC2	26S protease regulatory subunit 7 isoform 1	11.54734411	4	5	4	433	48.603	5.95	1.014	1.082	1.139														
													GVLLFGPPGTGK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.15	1.064028144	0	1600.982685	3	534.3327026	0.54342259	87.52162867
													FVNLGIEPPK	1	1	2xTMT6plex [N-Term; K10]	0.919	-	-	1.449173331	0	1571.956136	2	786.4789429	-3.515643781	83.84713776
													YQIHIPLPPK	2	1	2xTMT6plex [N-Term; K10]	1.062	1.082	-	1.272227049	0	1664.029969	3	555.3475952	-1.043734488	73.99401208
													ESDTGLAPPALWDLAADK	1	1	2xTMT6plex [N-Term; K18]	-	-	1.092	0.774595141	0	2328.248748	2	1164.629028	0.872819378	95.77275347
21361144	PSMC3	26S protease regulatory subunit 6A	18.22323462	6	12	6	439	49.172	5.24	1.151	1.177	1.115														
													LAGPQLVQMFIGDGAK	3	1	2xTMT6plex [N-Term; K16]	1.036	1.063	1.055	1.603203773	0	2103.203653	3	701.7385254	-1.25030599	99.79895428
													QIQELVEAIVLPMNHK	1	1	2xTMT6plex [N-Term; K16]	1.073	-	-	1.025297284	0	2320.346294	3	774.1195679	-0.923817589	98.88181817
													LLDSEIK	1	1	2xTMT6plex [N-Term; K7]	-	1.268	-	1.39230752	0	1275.792424	2	638.4008789	1.612199964	66.16080832
													DSYLILETLPTEYDSR	1	1	1xTMT6plex [N-Term]	-	-	0.931	1.44921875	0	2144.096046	2	1072.549316	-2.187391516	92.7631477
													QTYFLPVIGLVDAEK	3	1	2xTMT6plex [N-Term; K15]	1.137	1.132	1.147	2.658830166	0	2151.246563	3	717.7529907	-0.996757911	100.9197806
													FENLGIQPPK	3	1	2xTMT6plex [N-Term; K10]	1.199	1.141	1.144	1.364955425	0	1600.946299	3	534.3201904	-0.175577993	75.76274022
5729991	PSMC4	26S protease regulatory subunit 6B isoform 1	12.20095694	4	8	4	418	47.337	5.21	1.038	0.901	0.907														
													EFLHAQEEVK	2	1	2xTMT6plex [N-Term; K10]	-	0.873	0.898	1.331042767	0	1687.941942	3	563.319458	1.11307942	49.81464379
													ENAPAIIFIDEIDAIATK	4	1	2xTMT6plex [N-Term; K18]	1.304	1.166	1.137	1.897658229	0	2402.358298	3	801.4569092	-0.884135784	106.5714227
													IEFPLPDRR	1	1	1xTMT6plex [N-Term]	1.062	-	-	1.872553825	1	1371.794601	3	457.9361877	-0.430492712	65.18010338
													EAVELPLTHFELYK	1	1	2xTMT6plex [N-Term; K14]	0.955	-	-	1.352844119	0	2147.215263	3	716.4093018	-0.890011633	89.66390246
24497435	PSMC5	26S protease regulatory subunit 8 isoform 1	12.06896552	4	9	4	406	45.597	7.55	1.084	1.117	1.137														
													IDILDSALLRPGR	2	1	1xTMT6plex [N-Term]	1.063	0.96	-	1.16064775	0	1668.00057	3	556.6715088	-0.358065113	90.48494484
													IEELQLIVNDK	1	1	2xTMT6plex [N-Term; K11]	-	1.011	-	1.210123301	0	1772.056972	2	886.5308838	-1.39988833	93.05460566
													TMLELLNQLDGFEATK	4	1	2xTMT6plex [N-Term; K16]	1.145	1.1	1.137	3.015410423	0	2281.25139	3	761.0875854	-1.397203463	102.8614765
													VSGSELVQK	2	1	2xTMT6plex [N-Term; K9]	-	1.214	-	1.359192729	0	1404.846251	3	468.953064	-1.147545838	52.16066058
195539395	PSMC6	26S protease regulatory subunit 10B	11.41439206	4	10	4	403	45.768	7.78	1.189	1.17	1.199														
													VVSSSIVDK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.261	1.99663949	0	1391.851002	2	696.4286499	-0.703103501	55.09388576
													EVIELPLTNPELFQR	2	1	1xTMT6plex [N-Term]	0.995	1.057	-	2.040189981	0	2027.137458	3	676.3811646	-4.201588612	96.14875453
													ALQSVGQIVGEVLK	4	1	2xTMT6plex [N-Term; K14]	1.074	1.209	1.203	1.990715504	0	1899.167919	2	950.0895996	2.108064648	99.23132301
													IHAGPITK	3	1	2xTMT6plex [N-Term; K8]	1.215	1.175	1.189	2.164682388	0	1294.824728	3	432.2798157	0.128342841	44.69438481
25777600	PSMD1	26S proteasome non-ATPase regulatory subunit 1 isoform 1	9.024134313	8	13	8	953	105.769	5.39	0.895	1.081	1.077														
													AAVESLGFILFR	3	1	1xTMT6plex [N-Term]	1.218	-	1.156	1.696290135	0	1551.90963	3	517.9745483	-0.346953494	99.97223857
													NASNDIVR	1	1	1xTMT6plex [N-Term]	1.134	-	-	0.568990767	0	1117.616302	2	559.3120728	0.507345689	26.44355488
													VSTAVLSITAK	1	1	2xTMT6plex [N-Term; K11]	0.797	-	-	0.774273872	0	1547.977265	2	774.4910889	-1.527002805	75.39884866
													EALQLMATYLPK	2	1	2xTMT6plex [N-Term; K12]	0.995	-	1.004	1.160985947	0	1836.070513	3	612.6951904	0.274923571	95.7091584
													TSSAFVGK	2	1	2xTMT6plex [N-Term; K8]	0.636	1.001	-	1.266853094	0	1254.745809	2	627.8764038	-0.221202422	46.70561218
													TPEASPEPK	1	1	2xTMT6plex [N-Term; K9]	0.994	-	-	1.282965779	0	1413.798966	2	707.4033203	0.281358955	36.0477192
													LEGIVNK	2	1	2xTMT6plex [N-Term; K7]	-	1.198	1.174	1.194149375	0	1230.782194	2	615.8942871	-0.728375219	62.28623493
													DTSEDIEELVEPVAAHGPK	1	1	2xTMT6plex [N-Term; K19]	-	1.003	-	1.099796176	0	2494.307719	3	832.1063843	-1.250686892	79.93504674
28872725	PSMD11	26S proteasome non-ATPase regulatory subunit 11	20.85308057	7	15	7	422	47.434	6.48	1.106	0.885	0.953														
													TGQAAELGGLLK	4	1	2xTMT6plex [N-Term; K12]	0.756	0.553	0.859	1.556164145	0	1615.978327	2	808.4918213	-1.21382932	72.21162094
													RDIQENDEEAVQVK	1	1	2xTMT6plex [N-Term; K14]	-	1.685	-	1.135667801	1	2131.139532	3	711.0509033	-0.6452506	51.3680128
													VQIEHISSLIK	3	1	2xTMT6plex [N-Term; K11]	1.229	1.248	1.27	1.471213102	0	1725.067477	3	575.6940308	0.036071144	73.72526691
													YQEALHLGSQLLR	3	1	1xTMT6plex [N-Term]	0.854	0.949	0.962	1.51942265	0	1756.990734	3	586.3363647	2.166800432	76.41271433
													EQSILELGSLLAK	2	1	2xTMT6plex [N-Term; K13]	0.994	0.892	-	2.300755262	0	1859.125386	2	930.0670166	0.73748287	99.239348
													IMLNTPEDVQALVSGK	1	1	2xTMT6plex [N-Term; K16]	1.39	-	-	1.713019013	0	2173.230261	3	725.079834	-2.444493329	94.23867281
													LVSLYFDTK	1	1	2xTMT6plex [N-Term; K9]	-	0.508	-	0.800928295	0	1543.913602	2	772.4594116	-1.331303649	91.05278667
4506221	PSMD12	26S proteasome non-ATPase regulatory subunit 12 isoform 1	4.385964912	2	4	2	456	52.871	7.65	1.284	-	1.282														
													LQEVIETLLSLEK	3	1	2xTMT6plex [N-Term; K13]	1.284	-	1.297	1.628887296	0	1973.193465	3	658.4024048	-0.40741293	110.7294809
													TTHLIAK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.275	1.143408418	0	1241.798178	3	414.604187	-0.137473904	41.92234282
157502195	PSMD13	26S proteasome non-ATPase regulatory subunit 13 isoform 2	9.259259259	4	9	4	378	42.915	6.54	1.267	1.296	1.107														
													ALSVGLVK	2	1	2xTMT6plex [N-Term; K8]	1.256	1.137	-	1.389315009	0	1244.83423	2	622.9199219	-1.335535255	69.56001159
													DLPVSEQQER	3	1	1xTMT6plex [N-Term]	1.278	1.295	1.322	2.166381359	0	1429.748438	2	715.3781738	0.442711622	39.46457806
													LNIGDLQVTK	3	1	2xTMT6plex [N-Term; K10]	1.28	1.341	1.063	1.532066464	0	1558.956864	3	520.3222656	-2.963625939	78.4324479
													LEELYTK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.107	0.935507894	0	1353.802989	2	677.4055786	0.658579254	66.25150851
5031981	PSMD14	26S proteasome non-ATPase regulatory subunit 14	8.709677419	3	4	3	310	34.555	6.52	1.257	1.296	-														
													AVAVVVDPIQSVK	1	1	2xTMT6plex [N-Term; K13]	1.035	-	-	1.786170483	0	1783.109342	3	595.0383911	-4.891175181	85.68638628
													AVEEEDK	2	1	2xTMT6plex [N-Term; K7]	1.398	1.393	-	1.010042548	0	1277.698918	2	639.3532104	0.177207975	32.9250939
													VVIDAFR	1	1	1xTMT6plex [N-Term]	-	1.229	-	1.255279303	0	1048.635246	2	524.821167	-0.180363597	68.16393378
25777602	PSMD2	26S proteasome non-ATPase regulatory subunit 2 isoform 1	12.66519824	9	18	9	908	100.136	5.2	1.283	1.259	1.266														
													EQELSEEDK	2	1	2xTMT6plex [N-Term; K9]	1.352	-	-	1.601219058	0	1564.810653	3	522.2759399	1.670236724	37.56294655
													LVGSQEELASWGHEYVR	1	1	1xTMT6plex [N-Term]	-	-	1.111	0.577268839	0	2189.118847	3	730.3770752	-0.993552298	71.43559985
													QLAQYHAK	3	1	2xTMT6plex [N-Term; K8]	1.194	1.227	1.267	1.181433916	0	1416.836355	3	472.9508667	1.194208245	35.14788192
													LNILDTLSK	2	1	2xTMT6plex [N-Term; K9]	1.368	1.386	-	1.830901623	0	1474.924501	2	737.9664307	0.734707522	92.05276248
													YLYSSEDYIK	1	1	2xTMT6plex [N-Term; K10]	-	1.128	-	0.923958898	0	1738.930374	2	869.9699097	1.247045868	68.92908189
													GTLTLCPYHSDR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.177	-	-	1.479471445	0	1648.831456	3	550.2819214	-0.148929621	48.91600599
													EDVLTLLLPVMGDSK	4	1	2xTMT6plex [N-Term; K15]	1.285	1.217	1.205	1.669219255	0	2088.202649	3	696.7391357	0.09793904	104.3706767

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													AELATEEFLPVTPILEGFVILRK	2	1	2xTMT6plex [N-Term; K23]	1.255	-	1.058	1.82005322	1	3043.784766	3	1015.264587	-1.825685256	106.2488648
													FGGSGSQVDSAR	2	1	1xTMT6plex [N-Term]	-	1.347	1.609	0.924961805	0	1396.701822	2	698.8536377	-1.305568122	33.94317896
25777612	PSMD3	26S proteasome non-ATPase regulatory subunit 3	8.61423221	4	8	4	534	60.939	8.44	1.15	1.147	1.155														
													EEAATGGGSTGEADGK	5	1	2xTMT6plex [N-Term; K16]	1.15	1.181	1.107	1.974406004	0	1894.939435	2	947.9736938	0.356721329	34.6714095
													EQQDLEFAK	1	1	2xTMT6plex [N-Term; K9]	-	1.026	-	1.957994938	0	1565.857544	2	783.4324341	0.030580089	55.63867712
													AIQLEYSEAR	1	1	1xTMT6plex [N-Term]	-	-	1.052	1.230692029	0	1408.76336	2	704.885437	0.168590016	53.22508932
													FNQVLDQFGEK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.187	1.507190824	0	1782.979056	3	594.9979858	0.195492779	84.00118782
5292161	PSMD4	26S proteasome non-ATPase regulatory subunit 4	4.50928382	1	1	1	377	40.711	4.79	-	0.916	-														
													VNVDIINFGEEEVNTEK	1	1	2xTMT6plex [N-Term; K17]	-	0.916	-	1.322887897	0	2407.275691	3	803.0966187	-0.161229131	91.12733739
4826952	PSMD5	26S proteasome non-ATPase regulatory subunit 5 isoform 1	12.1031746	5	10	5	504	56.16	5.48	1.198	1.243	1.292														
													ELTGEDVLVR	1	1	1xTMT6plex [N-Term]	1.223	-	-	0.936269999	0	1359.768111	2	680.3881226	0.630671642	58.11787171
													VFTAIANQPWAQK	3	1	2xTMT6plex [N-Term; K13]	1.167	1.241	1.208	1.064142585	0	1932.110739	3	644.7088013	0.575535642	88.82785631
													LGPLFSLLNENHR	3	1	1xTMT6plex [N-Term]	1.204	1.247	1.23	1.781112909	0	1738.980169	3	580.3287964	-4.79210171	93.87139577
													SVEHDK	1	1	2xTMT6plex [N-Term; K6]	-	-	1.408	2.244188547	0	1172.667558	3	391.5610046	0.769541213	26.63805107
													IVENSDAVTEILNNAELLK	2	1	2xTMT6plex [N-Term; K19]	1.346	-	1.404	1.735650301	0	2543.433254	3	848.4818115	-0.932876726	98.85667807
422398832	PSMD6	26S proteasome non-ATPase regulatory subunit 6 isoform 1	10.18099548	4	6	4	442	51.889	6.74	1.043	1.333	1.229														
													VNEIVETNRPDSK	2	1	2xTMT6plex [N-Term; K13]	1.094	-	1.229	1.124942541	0	1959.091125	3	653.7012939	-0.917059977	47.86262381
													DWLFAPHYR	1	1	1xTMT6plex [N-Term]	0.936	-	-	1.871801734	0	1433.752736	3	478.5889587	-0.287901314	66.83111323
													GAEILEVLHSLPAVR	2	1	1xTMT6plex [N-Term]	1.159	1.33	-	1.723480344	0	1833.079549	3	611.6970215	-1.657154965	94.83682524
													NLGESEIR	1	1	1xTMT6plex [N-Term]	-	1.336	-	1.629527688	0	1146.631618	2	573.8189697	-0.832636097	46.520127
25777615	PSMD7	26S proteasome non-ATPase regulatory subunit 7	2.777777778	1	2	1	324	37.002	6.77	-	1.282	1.262														
													ITNQVHGLK	2	1	2xTMT6plex [N-Term; K9]	-	1.282	1.262	1.016591549	0	1467.904769	3	489.9735718	0.949218274	51.24827129
156631005	PSMD8	26S proteasome non-ATPase regulatory subunit 8	4.285714286	1	1	1	350	39.587	9.7	-	1.091	-														
													LVLLELNFLPTTGTK	1	1	2xTMT6plex [N-Term; K15]	-	1.091	-	1.119553804	0	2117.298599	2	1059.157227	4.051263721	103.853056
18543329	PSMD9	26S proteasome non-ATPase regulatory subunit 9 isoform 1	8.968609865	2	3	2	223	24.667	6.95	1.382	-	1.235														
													LGQSESQGPPR	2	1	1xTMT6plex [N-Term]	1.207	-	1.235	1.088881254	0	1384.738208	2	692.8721313	-0.882264013	32.62061875
													SDVDLYQVR	1	1	1xTMT6plex [N-Term]	1.475	-	-	1.130073428	0	1323.710596	2	662.3582764	-0.997178408	51.24639811
5453990	PSME1	proteasome activator complex subunit 1 isoform 1	57.8313253	12	40	12	249	28.705	6.02	0.578	0.595	0.584														
													IEDGNNFGVAVQEK	3	1	2xTMT6plex [N-Term; K14]	-	0.639	0.627	1.455028653	0	1978.064576	3	660.0266724	0.448792145	64.97376898
													VFELMTSLHTK	1	1	2xTMT6plex [N-Term; K11]	-	0.568	-	0.902282536	0	1764.012998	3	588.6766357	1.335339686	87.90312668
													VQPEAQAK	3	1	2xTMT6plex [N-Term; K8]	0.414	0.457	0.448	1.734539747	0	1328.793821	3	443.6039734	2.668274008	34.71374005
													GPPCGPVNCNEK	5	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	0.702	0.745	0.679	1.868524432	0	1786.898046	2	893.9532471	0.655835193	40.41886265
													EPALNEANLSNLK	3	1	2xTMT6plex [N-Term; K13]	0.577	0.557	0.591	1.243413568	0	1871.063848	3	624.3588867	-0.930467312	69.11968138
													ISELDAFLK	3	1	2xTMT6plex [N-Term; K9]	0.565	0.561	-	2.13822341	0	1493.897952	2	747.4492188	-4.545892838	93.76465553
													DVIEQLNLVTTWLQLQIPR	1	1	1xTMT6plex [N-Term]	0.255	-	-	1.303394914	0	2508.438725	3	836.8173218	-0.523308764	110.3002317
													QLVHELDEAEYR	5	1	1xTMT6plex [N-Term]	0.94	0.978	1.434	1.225078464	0	1730.891079	3	577.6341553	-1.829618123	52.28805402
													VDVFREDLCTK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.555	0.597	0.634	1.834420681	1	1840.003891	3	614.0047607	-2.261709042	65.96447119
													APLDIPVPDPVK	3	1	2xTMT6plex [N-Term; K12]	0.587	0.615	0.603	1.115955234	0	1719.045679	3	573.6851196	-2.834778239	90.85295005
													TENLLGSYFPK	5	1	2xTMT6plex [N-Term; K11]	0.572	0.664	0.585	1.758417964	0	1726.977993	3	576.3305054	-0.596560421	81.56514107
													NAYAVLYDIILK	5	1	2xTMT6plex [N-Term; K12]	0.613	0.635	0.645	3.132372856	0	1854.114093	2	927.5618896	1.299842812	101.6062852
30410792	PSME2	proteasome activator complex subunit 2	53.55648536	11	40	11	239	27.384	5.73	0.593	0.618	0.65														
													DDEMETDK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M4]	-	0.596	-	1.8360672	0	1456.687761	3	486.2340393	-0.134853936	28.62186531
													CGFLPGNEK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.622	-	0.675	0.963144064	0	1479.803006	3	493.9397888	1.221186246	54.30365336
													ETHVMDYR	1	1	1xTMT6plex [N-Term]	-	-	0.578	1.393737555	0	1279.630237	3	427.2149048	-0.059583252	30.91677412
													ETHVMDYR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	0.48	0.508	-	1.035581946	0	1295.625152	3	432.5464478	-0.279662895	22.81439699
													ALVHERDEAAYGELR	2	1	1xTMT6plex [N-Term]	-	1.26	1.35	1.676676154	1	1958.029304	3	653.3477173	-0.360334	40.50021353
													DEAAYGELR	5	1	1xTMT6plex [N-Term]	0.702	0.645	0.731	1.384641051	0	1252.637097	2	626.8218384	-0.556172406	40.2890708
													AFYAELYHIISSNLEK	3	1	2xTMT6plex [N-Term; K16]	0.534	0.558	-	1.119537115	0	2356.295304	3	786.1030273	-0.329083858	100.5068864
													IIYLNQLLQEDSLNVADLTSLR	3	1	1xTMT6plex [N-Term]	0.529	0.562	0.448	1.591422915	0	2760.534475	3	920.8495483	-0.138987747	104.0865383
													IEDGNDFGVAIQEK	8	1	2xTMT6plex [N-Term; K14]	0.669	0.671	0.684	2.368724585	0	1993.064242	3	665.0251465	-1.683601966	73.7557677
													VEAFQTTISK	3	1	2xTMT6plex [N-Term; K10]	0.774	0.779	0.587	2.313575983	0	1581.925229	2	791.4665527	0.378999424	66.46549617
													APLDIPIPDPPPK	3	1	2xTMT6plex [N-Term; K13]	0.585	0.653	-	1.183858037	0	1828.098443	3	610.0358887	-2.915485431	91.6487993
													QNLFQEAEEFLYR	6	1	1xTMT6plex [N-Term]	0.52	0.564	0.568	2.903866768	0	1915.975143	2	958.4905396	-0.699846468	99.69963047
30410796	PSME3	proteasome activator complex subunit 3 isoform 2	29.21348315	7	12	7	267	30.867	6.11	1.408	1.249	1.347														
													ITSEAEDLVANFFPK	2	1	2xTMT6plex [N-Term; K15]	1.219	-	1.292	0.779978573	0	2139.173792	3	713.7293701	-0.10987814	100.8162465
													LIISELR	1	1	1xTMT6plex [N-Term]	1.482	-	-	1.695048571	0	1072.692761	2	536.8496094	-0.763694908	70.02047802
													LLELDSFLK	3	1	2xTMT6plex [N-Term; K9]	1.294	1.367	1.398	1.468877554	0	1535.944902	2	768.4761353	0.05972077	98.60222771
													TVTEIDEK	2	1	2xTMT6plex [N-Term; K8]	-	1.402	1.446	1.022421956	0	1392.798632	2	696.9033203	0.525671826	52.40707096
													RLDECEEAFQGTK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.905	-	-	1.364653945	1	2041.042461	3	681.0168457	-3.173319884	48.31550197
													TVESEAASYLDQISR	2	1	1xTMT6plex [N-Term]	1.341	-	1.304	1.582402945	0	1897.970452	3	633.3284912	0.246870446	80.84581406
													SNQQLVDIIEK	1	1	2xTMT6plex [N-Term; K11]	-	1.103	-	1.138172984	0	1745.02092	2	873.0137329	-0.41907216	73.43673807
145611426	PSMF1	proteasome inhibitor PI31 subunit	5.535055351	1	2	1	271	29.798	5.74	1.689	-	1.744														
													IVSGIITPIHEQWEK	2	1	2xTMT6plex [N-Term; K15]	1.689	-	1.744	2.204215765	0	2208.27926	3	736.7624512	-2.925361158	78.62464552
4505023	PSMG1	proteasome assembly chaperone 1 isoform a	4.861111111	1	1	1	288	32.833	7.17	-	-	6.406														
													AGTEDEEEEEEGRR	1	1	1xTMT6plex [N-Term]	-	-	6.406	0.793984175	1	1864.835809	3	622.2834473	-0.010849816	21.15699907
14150060	PSMG3	proteasome assembly chaperone 3	12.29508197	1	1	1	122	13.096	7.88	1.108	-	-														
													VLLGQDEPLIHVFAK	1	1	2xTMT6plex [N-Term; K15]	1.108	-	-	1.373394251	0	2137.278532	3	713.0940552	-5.109194938	94.15358461
4506243	PTBP1	polypyrimidine tract-binding protein 1 isoform a	22.44165171	11	18	11	557	59.596	9.16	0.565	0.486	0.464														
													NNQFQALLQYADPVSAQHAK	1	1	2xTMT6plex [N-Term; K20]	-	0.828	-	1.382624984	0	2701.446219	3	901.1575928	4.444397312	88.83530306
													SAGVPSR	1	1	1xTMT6plex [N-Term]	-	-	0.51	1.085347772	0	902.5256961	2	451.766571	0.187684234	26.01675805
													KLPIDVTEGEVISLGLPFGK	2	1	3xTMT6plex [N-Term; K1; K20]	-	0.265	0.242	1.088524103	1	2799.683879	3	933.8990479	-0.460264576	99.29805934
													DYGNSPLHR	1	1	1xTMT6plex [N-Term]	-	-	0.469	2.038968563	0	1287.664315	3	429.8930664	0.257302114	30.68399814

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LPIDVTEGEVISLGLPFGK	6	1	2xTMT6plex [N-Term; K19]	0.586	0.593	0.592	1.965176225	0	2442.425984	4	611.3627319	1.274926813	103.7166889
													IAIPGLAGAGNSVLLVSNLNPER	1	1	1xTMT6plex [N-Term]	-	1.525	-	1.0813272	0	2504.439787	2	1252.725586	1.640241071	98.95629587
													HQNVQLPR	1	1	1xTMT6plex [N-Term]	-	-	0.957	1.49480927	0	1220.70612	3	407.573822	0.649521159	32.96762149
													VLFSSNGGVVK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.755	1.00873816	0	1564.946299	2	782.9741821	-3.330141226	70.55409939
													TDSSPNQAR	1	1	1xTMT6plex [N-Term]	-	-	0.593	1.285388827	0	1204.611945	2	602.8096924	0.135683218	18.74099657
													EGQEDQGLTK	1	1	2xTMT6plex [N-Term; K10]	0.579	-	-	1.541402459	0	1562.842622	2	781.925293	0.439895541	37.23334232
													VTNILMLK	4	1	2xTMT6plex [N-Term; K8]	0.53	-	0.518	1.253699422	0	1389.890364	2	695.4483643	-0.656443413	91.87544382
543583697	PTGES3	prostaglandin E synthase 3 isoform e	35.97560976	5	20	5	164	19.143	4.55	1.942	1.84	1.978														
													LNWLSVDFNNWK	4	1	2xTMT6plex [N-Term; K12]	1.773	1.668	1.909	2.232497692	0	1994.090003	3	665.3668213	-2.052305967	99.37768853
													GESGQSWPR	1	1	1xTMT6plex [N-Term]	-	1.82	-	1.810509324	0	1232.622115	2	616.8146973	0.001956196	42.79025014
													HLNEIDLFHCIDPNDSK	2	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.261	1.92	0.927987993	0	2525.285879	4	632.0764771	-0.712939826	73.06892138
													DVNVNFEK	5	1	2xTMT6plex [N-Term; K8]	2.019	2.085	2.088	1.415345073	0	1422.799301	3	474.9375305	-0.887185751	57.57946509
													LTFSCLGGSDNFK	8	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.963	1.752	1.849	1.973905683	0	1903.998805	3	635.3378906	0.164650839	83.51625425
41152506	PTGFRN	prostaglandin F2 receptor negative regulator precursor	2.389078498	2	2	2	879	98.495	6.61	-	0.878	1.059														
													NVQPSDQGHYK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.059	0.704773426	0	1730.922603	3	577.6449585	-1.317928204	31.32106906
													ALSADQGSYR	1	1	1xTMT6plex [N-Term]	-	0.878	-	1.232513428	0	1296.674545	2	648.8410645	0.237026516	34.7358261
226059133	PTGR1	prostaglandin reductase 1 isoform 1	26.13981763	6	11	6	329	35.847	8.29	1.084	0.789	1.005														
													LGFDVVFNYK	2	1	2xTMT6plex [N-Term; K10]	1.177	1.375	-	1.778864384	0	1659.95105	2	830.4801636	1.205076763	95.17683874
													TVESLEETLK	1	1	2xTMT6plex [N-Term; K10]	1.167	-	-	1.438243747	0	1606.930374	3	536.3152466	0.505501736	70.81747518
													VVGAVGSDEK	1	1	2xTMT6plex [N-Term; K10]	1.067	-	-	1.307145238	0	1418.825515	2	709.9157104	-0.966314425	47.22904116
													GTIVLASPGWTTHSISDGK	1	1	2xTMT6plex [N-Term; K19]	0.86	-	-	1.688041449	0	2385.31783	3	795.7770386	-0.531592615	74.36799687
													GGETVMVNAAAGAVGSVVGQIAK	4	1	2xTMT6plex [N-Term; K23]	0.819	1.179	1.005	3.074466944	0	2544.421978	3	848.8126831	0.596664555	96.81502022
													HFVGYPTNSDFELK	2	1	2xTMT6plex [N-Term; K14]	-	0.569	-	1.903816938	0	2112.116612	3	704.7105713	0.259899091	72.14941411
39995093	PTHLH	parathyroid hormone-related protein isoform 1 preproprotein	9.039548023	2	3	2	177	20.182	10.18	1.08	0.909	-														
													FGSDDEGR	2	1	1xTMT6plex [N-Term]	1.08	0.987	-	1.344548225	0	1111.521733	2	556.2651978	1.247045174	29.91088399
													YLTQETNK	1	1	2xTMT6plex [N-Term; K8]	-	0.808	-	0.865468979	0	1454.825515	2	727.9172974	1.239184042	45.62797781
393715082	PTK7	inactive tyrosine-protein kinase 7 isoform e	4.916512059	4	8	4	1078	119.122	6.96	0.768	0.857	0.809														
													HPASEAEIQPQTQVTLR	3	1	1xTMT6plex [N-Term]	0.638	0.681	0.616	1.598465204	0	2134.145396	3	712.0543823	1.498160651	45.6557624
													GLPEPSVWWEHAGVR	1	1	1xTMT6plex [N-Term]	0.725	-	-	0.992085159	0	1949.023097	3	650.3449707	-1.404704044	75.99843364
													QPSSQDALQGR	1	1	1xTMT6plex [N-Term]	-	0.667	-	1.150874734	0	1415.744021	2	708.3757935	0.204051056	28.62791631
													WIEAGPVVLK	3	1	2xTMT6plex [N-Term; K10]	0.903	0.973	0.954	1.497577429	0	1569.976871	2	785.4899902	-2.654288306	90.51014562
151101407	PTMA	prothymosin alpha isoform 1	22.52252252	4	25	4	111	12.196	3.78	2.085	2.336	2.291														
													RAAEDDEDDDVDTK	12	1	2xTMT6plex [N-Term; K14]	2.218	2.235	2.31	1.965534806	1	2051.976943	2	1026.493286	1.146662799	29.19312031
													AAEDDEDDDVDTK	6	1	2xTMT6plex [N-Term; K13]	2.04	2.619	2.754	1.773961663	0	1895.875832	3	632.6304321	0.480715405	40.87265172
													KEVVEEAENGR	2	1	2xTMT6plex [N-Term; K1]	3.234	3.424	-	1.53026247	1	1717.948484	3	573.3203735	-1.115554133	42.29165062
													EVVEEAENGR	5	1	1xTMT6plex [N-Term]	1.299	1.331	1.432	1.901249766	0	1360.690589	2	680.8491821	0.366562256	35.68008959
46276863	PTMS	parathymosin	22.54901961	3	12	3	102	11.523	4.16	0.957	0.894	0.941														
													AAEEEDEADPK	2	1	2xTMT6plex [N-Term; K11]	1.206	-	1.038	1.262167573	0	1661.827031	2	831.4171753	0.025698184	33.49780806
													SVEAAAELSAK	5	1	2xTMT6plex [N-Term; K11]	0.902	0.929	0.943	1.696928263	0	1533.888844	2	767.4484253	0.476035757	53.99037597
													RAAEEEDEADPK	5	1	2xTMT6plex [N-Term; K12]	1.003	0.856	0.925	2.002160311	1	1817.928142	3	606.6483765	1.33884529	27.95582469
196114951	PTPN12	tyrosine-protein phosphatase non-receptor type 12 isoform 1	1.666666667	1	1	1	780	88.051	5.62	0.739	-	-														
													HNIAGTTHSGAEK	1	1	2xTMT6plex [N-Term; K13]	0.739	-	-	0.738469899	0	1780.970616	4	445.9984436	0.745820313	21.79321007
18375655	PTPN18	tyrosine-protein phosphatase non-receptor type 18 isoform 1	4.782608696	1	1	1	460	50.45	8.25	-	1.704	-														
													RGAPAGAGSGTQTGTGTGAR	1	1	1xTMT6plex [N-Term]	-	1.704	-	1.544389009	1	2118.084921	3	706.6992188	-0.858506655	21.61144286
940373634	PTPRE	receptor-type tyrosine-protein phosphatase epsilon isoform 3	4.922644163	2	2	2	711	81.843	7.14	-	1.046	1.514														
													VILSQLDGIPCSDYINASYIDGYK	1	1	2xTMT6plex [N-Term; K24]; 1xCarbamidomethyl	-	1.046	-	0.450982451	0	3162.643323	3	1054.886108	0.141879835	117.1402132
													SATIVMLTNLK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.514	1.426873684	0	1649.007185	3	550.3400269	-1.005134246	90.53155492
109633041	PTPRF	receptor-type tyrosine-protein phosphatase F isoform 1 precursor	6.502359727	10	15	10	1907	212.744	6.3	1.886	2.251	1.969														
													GPPSEAVR	1	1	1xTMT6plex [N-Term]	2.568	-	-	1.402844429	0	1041.589025	2	521.298645	0.949385064	26.64410977
													SGALQIESSEESDQGK	3	1	2xTMT6plex [N-Term; K16]	1.87	1.727	1.838	2.734304667	0	2123.086828	3	708.3671875	0.085601775	50.80116062
													HVVDGISR	1	1	1xTMT6plex [N-Term]	-	-	2.432	1.146855831	0	1111.642123	3	371.2192078	0.852172652	29.44906917
													VLAFTAVGDGPPSPTIQVK	2	1	2xTMT6plex [N-Term; K19]	1.307	2.08	-	1.887327552	0	2355.368803	3	785.7944946	0.053990152	93.3053585
													TGEQAPSSPPR	1	1	1xTMT6plex [N-Term]	-	-	1.564	0.880881608	0	1355.711659	2	678.3588867	-0.857020364	29.35081345
													TAQSTPSAPPQK	2	1	2xTMT6plex [N-Term; K12]	-	2.493	2.515	1.149213672	0	1670.947756	3	557.6537476	-0.638059577	34.95942621
													NVLELSNVVR	1	1	1xTMT6plex [N-Term]	-	-	1.625	0.933173776	0	1371.81573	2	686.4106445	-1.25192288	72.26322925
													FEVIEFDDGAGSVLR	1	1	1xTMT6plex [N-Term]	-	-	0.722	1.078429103	0	1882.974809	3	628.3295898	-0.314777844	92.50742069
													ADEARPNTIDFGK	1	1	2xTMT6plex [N-Term; K13]	-	-	2.752	0.979370654	0	1892.027797	3	631.3463745	-1.705278775	51.24468425
													YECVATNSAGTR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.345	-	1.624	1.675900936	0	1557.752872	2	779.3804932	0.537895414	33.88461479
634743231	PTPRK	receptor-type tyrosine-protein phosphatase kappa isoform c precursor	4.582763338	5	11	5	1462	164.508	5.83	0.93	0.944	0.972														
													GLNPGTLNILVR	3	1	1xTMT6plex [N-Term]	0.664	0.822	0.807	1.832524061	0	1495.915778	2	748.4638672	3.128214214	84.88851874
													VLLTRPGEGGTGLPGPPLITR	2	1	1xTMT6plex [N-Term]	1.167	0.977	-	1.15403235	0	2330.375731	3	777.4589844	-5.720448778	81.3028663
													SLQGTSFENK	2	1	2xTMT6plex [N-Term; K10]	0.934	0.96	-	2.596801281	0	1568.868443	2	784.9370117	-1.08095265	50.36039262
													LWHLDPDTEYEIR	3	1	1xTMT6plex [N-Term]	0.915	0.903	1.067	1.555823922	0	1915.975143	3	639.3283691	-2.395228425	74.31447025
													NGEDIPVAQTK	1	1	2xTMT6plex [N-Term; K11]	-	1.024	-	1.896174192	0	1629.921206	2	815.4649048	0.813812537	50.091084
207113149	PUDP	pseudouridine-5'-phosphatase isoform a	7.171314741	1	1	1	251	27.555	5.47	1.092	-	-														
													ALEAAQIIIDVLQLPMSK	1	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M16]	1.092	-	-	0.848065436	0	2427.42969	3	809.8140259	-0.891948916	109.9741029
17978512	PUF60	poly(U)-binding-splicing factor PUF60 isoform a	5.72450805	2	3	2	559	59.838	5.29	0.764	-	0.831														
													QAFAPFGPIK	2	1	2xTMT6plex [N-Term; K10]	-	-	0.831	1.109495401	0	1533.919356	2	767.4622192	-1.430533769	78.5856839
													VGRPSNIGQAQPIIDQLAEEAR	1	1	1xTMT6plex [N-Term]	0.764	-	-	1.006597757	0	2591.410278	3	864.4744873	-0.52844428	75.60245638
5032007	PURA	transcriptional activator protein Pur-alpha	3.105590062	1	2	1	322	34.889	6.44	0.748	-	1.199														
													IAEVGAGGNK	2	1	2xTMT6plex [N-Term; K10]	0.748	-	1.199	1.410833597	0	1373.815285	2	687.4115601	0.406515485	47.51553024
15147219	PURB	transcriptional activator protein Pur-beta	3.205128205	1	1	1	312	33.22	5.43	-	1.127	-														

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IAEVGAGGSK	1	1	2xTMT6plex [N-Term; K10]	-	1.127	-	1.442850113	0	1346.804386	2	673.9053345	-0.737794366	48.66583238
609878250	PVR	poliovirus receptor isoform alpha precursor	1.918465228	1	1	1	417	45.292	6.52	-	-	0.907														
													RLEFVAAR	1	1	1xTMT6plex [N-Term]	-	-	0.907	1.90125072	1	1190.720707	3	397.5785217	0.255757328	45.3182741
109150416	PXDN	peroxidasin homolog precursor	7.302231237	9	18	9	1479	165.17	7.17	0.944	1.289	1.143														
													SPNDLLALFR	1	1	1xTMT6plex [N-Term]	0.688	-	-	0.971208155	0	1374.794266	2	687.9005737	-0.287547797	95.73676878
													IVNEGGIDPLLR	1	1	1xTMT6plex [N-Term]	0.87	-	-	1.270091891	0	1524.894708	2	762.949646	-1.766028695	77.25729444
													LSTTECVDAGGESHANNTK	3	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.612	1.635	1.725	1.825569034	0	2449.202937	3	817.0717773	-0.881135131	42.03639363
													DGVQVTESGK	3	1	2xTMT6plex [N-Term; K10]	0.999	1.103	0.999	1.198233247	0	1477.826244	2	739.4169312	0.231518887	39.73357462
													SDASGTNDFR	2	1	1xTMT6plex [N-Term]	-	1.334	1.371	1.057703257	0	1298.617424	2	649.8126221	0.418568714	29.27912942
													DACTICECK	3	1	2xTMT6plex [N-Term; K9]; 3xCarbamidomethyl	-	1.289	1.278	1.695057273	0	1614.769006	2	807.8876953	-0.552187339	44.78476578
													LDENFQPIAQDHLPLHK	2	1	2xTMT6plex [N-Term; K17]	0.8	-	0.808	1.058504462	0	2473.360364	4	619.0949097	-1.033095768	74.99656287
													GNPPPVIAWTK	1	1	2xTMT6plex [N-Term; K11]	0.923	-	-	1.587952375	0	1637.977934	3	546.6627808	-2.530305664	74.41774598
													HLVLSSGTLR	2	1	1xTMT6plex [N-Term]	-	0.994	0.905	1.484509349	0	1311.794601	3	437.9368896	1.155032436	50.61226663
10835256	PYCARD	apoptosis-associated speck-like protein containing a CARD isoform a	32.30769231	5	16	5	195	21.613	6.34	0.923	0.945	0.881														
													VTNVEWLLDALYGK	5	1	2xTMT6plex [N-Term; K14]	0.926	1.002	0.993	2.121966362	0	2079.189048	2	1040.098999	0.804677611	104.9232897
													DLLLQALR	1	1	1xTMT6plex [N-Term]	-	-	0.843	1.325922251	0	1170.740774	2	585.8745117	0.830839347	80.87112432
													DAILDALENLTAEELK	6	1	2xTMT6plex [N-Term; K16]	0.918	0.916	0.759	2.320765495	0	2216.2426	3	739.4192505	0.269977142	104.208085
													GALLSMDALDLTDK	2	1	2xTMT6plex [N-Term; K14]	-	0.885	0.887	1.359121799	0	1921.071635	3	641.0290527	0.504719922	94.29737299
													VLTDEQYQAVR	2	1	1xTMT6plex [N-Term]	-	1.048	0.863	1.487577438	0	1550.837587	2	775.9224854	0.06879065	58.12693375
21361370	PYGB	glycogen phosphorylase, brain form	11.98102017	10	17	6	843	96.635	6.86	1.909	2.085	1.819														
													IGEEFLTDLSQLK	2	1	2xTMT6plex [N-Term; K13]	-	2.148	-	1.385288	0	1951.115215	3	651.0430908	-0.253956844	99.31660039
													IHSEIVK	2	1	2xTMT6plex [N-Term; K7]	-	2.013	2.196	1.240579009	0	1283.808743	3	428.6077576	-0.018464527	42.43965941
													LLPLVSDEVFIR	3	1	1xTMT6plex [N-Term]	2.593	2.416	2.251	1.813727975	0	1629.97771	3	543.9977417	0.590276573	99.15049952
													VEDVEALDR	1	1	1xTMT6plex [N-Term]	1.477	-	-	1.505020976	0	1274.678962	2	637.8435059	0.60681848	52.85784695
													LQDFNVGDYIEAVLDR	3	1	1xTMT6plex [N-Term]	1.905	2.471	2.467	1.827900171	0	2096.08615	3	699.3668823	-0.026968044	103.0522594
													TQQHYYER	1	1	1xTMT6plex [N-Term]	-	-	1.124	0.922390342	0	1353.674879	3	451.8965759	0.218090184	21.46421592
													AAPGYHMAK	1	2	2xTMT6plex [N-Term; K9]	-	1.746	-	0.964721084	0	1403.786962	3	468.600769	0.56420164	37.14615683
													VLYPNDNFFEGK	1	2	2xTMT6plex [N-Term; K12]	2.24	-	-	1.149740577	0	1901.02092	3	634.3458252	1.0530373	87.04589102
													VIFLENYR	2	2	1xTMT6plex [N-Term]	1.925	-	1.697	1.976631284	0	1282.735689	2	641.8711548	-0.511227444	75.9740304
													TNGITPR	1	2	1xTMT6plex [N-Term]	-	0.883	-	1.493663788	0	987.5784599	2	494.293457	1.192363491	28.93292385
71037379	PYGL	glycogen phosphorylase, liver form isoform 1	25.14757969	19	46	15	847	97.087	7.17	1.75	1.868	1.686														
													TQQHYYDK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.688	1.119114518	0	1540.816013	2	770.9103394	-1.694659869	29.51899874
													WLLLCNPGLAELIAEK	7	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.957	1.971	1.25	2.251148701	0	2298.329582	2	1149.670044	1.405229542	104.3751313
													DLSQLTK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.947	1.294284225	0	1262.772023	2	631.8907471	1.737645897	55.33826938
													HLEIIYEINQK	2	1	2xTMT6plex [N-Term; K11]	1.876	-	1.771	1.469545245	0	1858.083855	3	620.0327759	-0.043438987	69.70377288
													EYYEALPELK	4	1	2xTMT6plex [N-Term; K10]	2.113	1.921	1.864	1.493252397	0	1712.95111	2	856.9784546	-0.862307339	74.91193479
													DIINMLFYHDR	1	1	1xTMT6plex [N-Term]	1.642	-	-	1.03505671	0	1665.862028	3	555.9589233	0.113286412	92.42759632
													DFNVGDYIQAVLDR	3	1	1xTMT6plex [N-Term]	2.088	-	1.945	1.316201448	0	1853.959493	3	618.6576538	-0.585306325	99.92292082
													IHSDIVK	3	1	2xTMT6plex [N-Term; K7]	1.377	1.873	1.241	1.570095062	0	1269.793093	3	423.9357605	-0.28733489	51.17669639
													GIVGVENVAELK	7	1	2xTMT6plex [N-Term; K12]	1.367	1.775	1.903	1.849862337	0	1686.020192	2	843.5128174	-1.087836542	79.50427312
													GAGTVFDAFPDQVAIQLNDTHPALAIPELMR	1	1	1xTMT6plex [N-Term]	2.173	-	-	1.178922892	0	3536.840904	3	1179.620605	1.797899997	100.3802107
													IFVDIEK	1	1	2xTMT6plex [N-Term; K7]	2.059	-	-	1.262610555	0	1321.81316	2	661.4090576	-1.756076952	78.92865069
													LVIDQIDNGFFSPK	5	1	2xTMT6plex [N-Term; K14]	2.277	1.996	2.291	2.100691319	0	2051.157748	2	1026.084473	1.911341292	96.42178021
													ISLSNESNK	3	1	2xTMT6plex [N-Term; K9]	-	1.758	1.667	1.457787991	0	1449.831329	2	725.4206543	1.86437808	48.6880147
													VFADYEAYVK	1	1	2xTMT6plex [N-Term; K10]	-	1.903	-	1.098667502	0	1662.91433	3	554.9766846	0.703698872	83.95009955
													FSQFLETEYK	1	1	2xTMT6plex [N-Term; K10]	-	2.038	-	0.761026442	0	1749.946359	3	583.9867554	-0.36901515	81.43824319
													AAPGYHMAK	1	2	2xTMT6plex [N-Term; K9]	-	1.746	-	0.964721084	0	1403.786962	3	468.600769	0.56420164	37.14615683
													VLYPNDNFFEGK	1	2	2xTMT6plex [N-Term; K12]	2.24	-	-	1.149740577	0	1901.02092	3	634.3458252	1.0530373	87.04589102
													VIFLENYR	2	2	1xTMT6plex [N-Term]	1.925	-	1.697	1.976631284	0	1282.735689	2	641.8711548	-0.511227444	75.9740304
													TNGITPR	1	2	1xTMT6plex [N-Term]	-	0.883	-	1.493663788	0	987.5784599	2	494.293457	1.192363491	28.93292385
14150139	PYM1	partner of Y14 and mago isoform 1	14.21568627	2	3	2	204	22.642	9.45	0.626	-	0.918														
													AAPTAASDQPDSAATTEK	2	1	2xTMT6plex [N-Term; K18]	0.626	-	0.889	1.061686516	0	2190.129027	3	730.7139282	-0.819696927	40.75191825
													IQAGEVSQPSK	1	1	2xTMT6plex [N-Term; K11]	-	-	0.932	1.293418884	0	1601.926292	2	801.4674072	0.777771818	48.13747738
13325075	QSOX1	sulfhydryl oxidase 1 isoform a precursor	25.97054886	15	38	15	747	82.526	8.92	1.154	1.062	1.111														
													AAPGQEPPEHMAELQR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	0.74	0.814	-	1.390564084	0	2005.99629	3	669.3379517	1.501438704	31.73964063
													ELCSACHNER	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.07	-	1.384	1.487768412	0	1504.683412	3	502.2332153	1.116743948	21.77885667
													ALAEDVK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.125	1.430647969	0	1203.73491	2	602.3706055	-0.810147228	47.77935819
													AHFSPSNIILDFPAAGSAAR	1	1	1xTMT6plex [N-Term]	-	0.862	-	1.225092292	0	2271.208331	3	757.7382813	-3.54020364	84.03086777
													IEVGRFPVLEGQR	2	1	1xTMT6plex [N-Term]	0.983	1.052	-	1.622522712	1	1728.995819	3	577.0042114	1.308093009	69.94481193
													RVLNTEANVVR	1	1	1xTMT6plex [N-Term]	-	0.841	-	1.418122053	1	1499.885541	3	500.6331177	-0.493979464	38.13991286
													FGVTDFPSCYLLFR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.066	-	0.76932162	0	1950.998522	2	976.0031738	0.281551341	99.1292772
													IYMADLESALHYILR	3	1	1xTMT6plex [N-Term]	1.01	1.268	1.254	1.731560707	0	2037.104049	3	679.7056885	-0.75443388	103.1220087
													QNVDHSQEAAK	2	1	2xTMT6plex [N-Term; K11]	1.593	1.638	-	2.482200146	0	1684.901868	3	562.3053589	-0.204522204	34.54455365
													EVALDLSQHK	1	1	2xTMT6plex [N-Term; K10]	1.114	-	-	1.543201804	0	1597.931377	3	533.3149414	-0.692352166	52.60068728
													SALYSPSDPLTLLQADTVR	5	1	1xTMT6plex [N-Term]	0.89	0.978	0.869	2.250935078	0	2276.233543	3	759.4133301	-3.560999112	95.04355648
													EGAVLAK	2	1	2xTMT6plex [N-Term; K7]	1.028	-	1.09	1.343614936	0	1145.72943	2	573.3690796	1.267576488	49.05603059
													LAGAPSEDPQFPK	6	1	2xTMT6plex [N-Term; K13]	1.033	1.017	0.968	1.775940537	0	1815.00527	2	908.0048218	-1.59971729	65.43287986
													NNEEYLALIFEK	3	1	2xTMT6plex [N-Term; K12]	1.035	1.054	1.015	1.693063736	0	1941.07335	2	971.0384521	-1.917626207	96.16843029
													LDVPVWDVEATLNFLK	6	1	2xTMT6plex [N-Term; K16]	1.346	1.395	1.484	2.967542648	0	2317.320791	2	1159.161987	-1.766134685	106.2227587
145580631	QSOX2	sulfhydryl oxidase 2 precursor	5.730659026	3	5	3	698	77.48	7.72	0.802	0.982	0.921														
													LDPIQPSDVLSLLDNR	3	1	1xTMT6plex [N-Term]	0.802	0.822	0.921	2.687658072	0	2024.122536	3	675.3782349	-1.178006822	99.9565408
													EVILDLIPYESIVVTR	1	1	1xTMT6plex [N-Term]	-	1.067	-	0.823456168	0	2088.215374	3	696.7451172	2.597807951	101.7223833

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DFVTVLAK	1	1	2xTMT6plex [N-Term; K8]	-	1.061	-	1.187976241	0	1350.839709	2	675.9234619	-0.045676681	79.76740247
190358517	RAB11B	ras-related protein Rab-11B	18.80733945	4	9	4	218	24.473	5.94	0.875	0.839	0.785														
													STIGVEFATR	2	1	1xTMT6plex [N-Term]	1.034	0.971	-	1.619012833	0	1309.731332	2	655.3692627	-0.063203325	57.48619327
													VVLIGDSGVGK	4	1	2xTMT6plex [N-Term; K11]	0.53	0.815	0.69	1.626596808	0	1501.9354	2	751.4716187	0.373241544	71.65847769
													HLTYENVER	1	1	1xTMT6plex [N-Term]	1.059	-	-	1.605164647	0	1389.732394	3	463.9154358	-0.46053971	32.01350435
													AQIWDTAGQER	2	1	1xTMT6plex [N-Term]	-	0.775	0.946	1.190610766	0	1503.775322	2	752.3924561	1.538766691	49.94308907
19923483	RAB14	ras-related protein Rab-14	22.79069767	4	4	3	215	23.882	6.21	1.31	0.792	-														
													NLTNPNTVIILIGNK	1	1	2xTMT6plex [N-Term; K15]	0.956	-	-	0.658666134	0	2082.268696	3	694.7614136	0.476332693	94.12194853
													ADLEAQR	1	1	1xTMT6plex [N-Term]	1.533	-	-	1.013441443	0	1031.568289	2	516.2875977	-0.359062511	29.46531592
													QFAEENGLLFLEASAK	1	1	2xTMT6plex [N-Term; K16]	-	0.792	-	0.743774474	0	2225.221805	3	742.4107666	-1.823807094	94.54462831
													LQLWDTAGQER	4	3	1xTMT6plex [N-Term]	-	-	0.825	1.369242907	0	1545.822272	2	773.4141235	-0.841791266	64.34972441
4758988	RAB1A	ras-related protein Rab-1A isoform 1	44.3902439	9	16	8	205	22.663	6.21	0.981	0.912	0.912														
													VVDYTTAK	1	1	2xTMT6plex [N-Term; K8]	-	0.991	-	0.682072997	0	1354.798238	2	677.9033203	0.831131137	56.90738728
													LQLWDTAGQER	4	3	1xTMT6plex [N-Term]	-	-	0.825	1.369242907	0	1545.822272	2	773.4141235	-0.841791266	64.34972441
													LLLIGDSGVGK	8	1	2xTMT6plex [N-Term; K11]	0.963	0.972	-	1.368730545	0	1529.9667	2	765.4835815	-4.453530957	88.84452021
													YASENVNK	2	1	2xTMT6plex [N-Term; K8]	1.075	1.032	-	1.676949859	0	1382.768	2	691.887146	-0.712410044	36.44343667
													EFADSLGIPFLETSAK	3	1	2xTMT6plex [N-Term; K16]	-	-	0.954	1.593836665	0	2183.200007	2	1092.106445	2.56831027	98.16793267
													TIELDGK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.111	0.890614986	0	1233.745474	2	617.3768311	0.738652659	55.58751125
													MGPGATAGGAEK	2	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M1]	-	0.551	0.523	1.1003685	0	1520.814299	2	760.9088135	-2.596462223	31.03809393
													RMGPGATAGGAEK	1	1	2xTMT6plex [N-Term; K13]	-	0.962	-	1.960628986	1	1660.920495	3	554.3115234	-0.287772655	31.14408131
													NATNVEQSFMTMAAEIK	1	1	2xTMT6plex [N-Term; K17]	0.827	-	-	1.282855272	0	2343.208874	3	781.7387695	-3.037870985	95.67345849
7661922	RAB21	ras-related protein Rab-21	4.888888889	1	3	1	225	24.332	7.94	2.004	1.937	2.153														
													GIEELFLDLCK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.004	1.937	2.153	1.449568391	0	1795.007579	3	599.0065918	-1.312985751	99.94903875
4506365	RAB2A	ras-related protein Rab-2A isoform a	16.50943396	3	6	3	212	23.531	6.54	1.026	1.143	1.071														
													SCLLLQFTDK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.009	0.96	-	1.316592216	0	1682.95515	3	561.6576538	1.936270127	89.83314383
													YIIIGDTGVGK	3	1	2xTMT6plex [N-Term; K11]	1.049	0.973	1.071	1.68381393	0	1593.961615	2	797.484375	-0.088734885	77.92638059
													TASNVEEAFINTAK	1	1	2xTMT6plex [N-Term; K14]	-	1.553	-	1.061806679	0	1953.069327	2	977.0379639	-0.346129866	70.68964918
354721184	RAB5C	ras-related protein Rab-5C isoform b	9.236947791	2	5	2	249	27.019	8.66	0.845	0.878	0.853														
													LVLLGESAVGK	4	1	2xTMT6plex [N-Term; K11]	0.845	0.866	0.853	1.628555417	0	1543.98235	3	515.333252	1.847384703	87.31598736
													NEPQNATGAPGR	1	1	1xTMT6plex [N-Term]	-	1.048	-	1.088451505	0	1440.73927	2	720.8737793	0.702135196	33.72018063
19923231	RAB6A	ras-related protein Rab-6A isoform a	10.57692308	2	3	1	208	23.534	5.54	0.497	0.512	-														
													LQLWDTAGQER	4	3	1xTMT6plex [N-Term]	-	-	0.825	1.369242907	0	1545.822272	2	773.4141235	-0.841791266	64.34972441
													LVFLGEQSVGK	2	1	2xTMT6plex [N-Term; K11]	0.497	0.512	-	1.394042253	0	1634.988164	3	545.6679077	0.615285513	84.01425699
34147513	RAB7A	ras-related protein Rab-7a	21.73913043	4	8	4	207	23.475	6.7	0.709	0.659	0.712														
													VIILGDSGVGK	5	1	2xTMT6plex [N-Term; K11]	0.709	0.808	0.746	1.583525658	0	1515.95105	2	758.4789429	-0.290931434	75.06016475
													NNIPYFETSAK	1	1	2xTMT6plex [N-Term; K11]	-	0.601	-	1.695600748	0	1741.952507	3	581.3233032	1.635979143	65.88133119
													ATIGADFLTK	1	1	2xTMT6plex [N-Term; K10]	-	0.606	-	1.617756128	0	1494.893201	2	747.9487305	-2.017958539	78.12083938
													DPENFPFVVLGNK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.633	0.971579671	0	1934.07877	3	645.3666992	3.502807826	93.86977745
33469951	RABGGTA	geranylgeranyl transferase type-2 subunit alpha	1.587301587	1	1	1	567	65.03	5.67	-	1.357	-														
													TSEEQAEAK	1	1	2xTMT6plex [N-Term; K9]	-	1.357	-	1.460656762	0	1450.778959	2	725.8921509	-1.332975072	38.28378527
4826964	RAD23A	UV excision repair protein RAD23 homolog A isoform 1	7.162534435	3	12	1	363	39.585	4.58	0.727	1.328	1.197														
													NFVVVMVTK	3	1	2xTMT6plex [N-Term; K9]	1.21	1.215	1.197	1.108454347	0	1494.911828	2	747.9555664	-5.332607148	88.30264552
													NFVVVMVTK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M6]	0.581	1.382	-	1.130704999	0	1510.906743	2	755.954895	-2.799346126	71.79924494
													DAFPVAGQK	2	2	2xTMT6plex [N-Term; K9]	0.962	0.987	-	1.196603656	0	1390.809471	2	695.9081421	-0.333496659	56.52498413
													TLQQQTFK	5	2	2xTMT6plex [N-Term; K8]	1.36	1.47	1.521	1.578082204	0	1451.862235	2	726.4344482	-0.423825078	47.93744897
4506387	RAD23B	UV excision repair protein RAD23 homolog B isoform 1	22.00488998	7	22	5	409	43.145	4.84	1.066	1.041	1.075														
													IDIDPEETVK	2	1	2xTMT6plex [N-Term; K10]	1.009	1.029	-	1.07289505	0	1616.914724	2	808.9605713	-0.530746527	66.65435446
													ILNDDTALK	3	1	2xTMT6plex [N-Term; K9]	1.106	1.098	-	1.557255626	0	1460.872465	3	487.6287537	-0.5186994	64.45301701
													NENLAANFLLQQNFDED	3	1	1xTMT6plex [N-Term]	1.02	1.014	0.99	1.372503161	0	2224.071957	3	742.0290527	0.291493773	95.30149043
													QIIQQNPSLLPALLQQIGR	4	1	1xTMT6plex [N-Term]	0.915	0.89	1.135	1.635645628	0	2359.40228	2	1180.204712	-0.056180277	99.33054373
													ALGFPEGLVIQAYFACEK	3	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.07	1.122	1.112	2.02327466	0	2471.340874	3	824.4510498	-0.921894653	101.4308997
													DAFPVAGQK	2	2	2xTMT6plex [N-Term; K9]	0.962	0.987	-	1.196603656	0	1390.809471	2	695.9081421	-0.333496659	56.52498413
													TLQQQTFK	5	2	2xTMT6plex [N-Term; K8]	1.36	1.47	1.521	1.578082204	0	1451.862235	2	726.4344482	-0.423825078	47.93744897
5453555	RAN	GTP-binding nuclear protein Ran isoform 1	29.16666667	5	22	5	216	24.408	7.49	1.362	1.348	1.335														
													FNVWDTAGQEK	4	1	2xTMT6plex [N-Term; K11]	1.362	1.2	-	1.267490029	0	1752.932106	3	584.9837036	2.539778825	75.42854356
													LVLVGDGGTGK	5	1	2xTMT6plex [N-Term; K11]	1.406	1.439	1.396	1.528630495	0	1473.9041	2	737.4561157	0.579987065	68.4892661
													YVATLGVEVHPLVFHTNR	1	1	1xTMT6plex [N-Term]	-	-	0.969	1.241385341	0	2281.265452	4	571.0709229	-1.573904408	76.04068476
													NLQYYDISAK	5	1	2xTMT6plex [N-Term; K10]	1.328	1.334	1.279	1.603935361	0	1672.931043	2	836.9695435	0.458694377	60.25267696
													VCENIPIVLCGNK	7	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	1.359	1.499	1.501	1.834348798	0	1974.09166	3	658.7026367	0.859608642	82.08107618
520975477	RANBP1	ran-specific GTPase-activating protein isoform 1	9.352517986	3	6	3	278	31.884	8.75	1.489	1.427	1.357														
													LEALSVK	2	1	2xTMT6plex [N-Term; K7]	-	1.407	1.357	1.807026505	0	1217.786945	2	609.3979492	1.376856195	65.98154546
													TLEEDEEELFK	3	1	2xTMT6plex [N-Term; K11]	1.489	1.627	-	1.868990183	0	1839.962796	2	920.4815063	-3.837210568	78.19622484
													ERGTGDVK	1	1	2xTMT6plex [N-Term; K8]	-	1.409	-	1.289584875	1	1319.768335	3	440.5941467	-0.339381118	22.54396477
155030192	RAP1GDS1	rap1 GTPase-GDP dissociation stimulator 1 isoform 1	7.401315789	4	6	4	608	66.346	5.31	1.063	1.097	-														
													IPCVDAGLISPLVQLLNSK	3	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.011	1.141	-	2.370721579	0	2495.467138	3	832.4938354	-0.073918963	106.9801378
													DHAGVMGESNR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.103	-	-	1.265127659	0	1417.669142	3	473.2279358	0.078856937	18.04495884
													NLAIPVINK	1	1	2xTMT6plex [N-Term; K9]	-	1.045	-	1.349146485	0	1439.935006	2	720.4708862	-0.354459792	78.33686506
													QIEHDK	1	1	2xTMT6plex [N-Term; K6]	-	1.111	-	1.374135256	0	1227.709757	3	409.9086609	1.36189845	25.83844812
4506427	RARRES2	retinoic acid receptor responder protein 2 precursor	6.748466258	1	1	1	163	18.606	9.09	-	1.834	-														
													GLQVALEEFHK	1	1	2xTMT6plex [N-Term; K11]	-	1.834	-	0.922599077	0	1729.004877	3	577.0058594	-1.070959964	74.46070202
15149476	RARS	arginine--tRNA ligase, cytoplasmic	17.42424242	10	22	10	660	75.331	6.68	0.851	0.821	0.838														
													IVFVPGCSIPLTIVK	5	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.765	0.83	0.797	1.385498762	0	2101.285926	2	1051.147949	1.282946536	100.5330962

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													MLLCEAVAAVMAK	2	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl [C4]	0.775	-	-	1.483528376	0	1865.046289	3	622.3535767	-0.060443289	101.9714616
													EIAENITK	2	1	2xTMT6plex [N-Term; K8]	0.912	0.824	-	1.774775982	0	1375.819702	2	688.4124756	-1.473396639	51.68546771
													LMDLLGEGLK	1	1	2xTMT6plex [N-Term; K10]	0.951	-	-	1.189623117	0	1546.927872	2	773.9671631	-0.531594355	96.52445567
													FPDYLTVSPPIGDLQVFYK	5	1	2xTMT6plex [N-Term; K19]	0.863	0.762	0.911	2.417004108	0	2657.463098	3	886.4927368	0.210542611	103.1967563
													VIVDFSSPNIAK	3	1	2xTMT6plex [N-Term; K12]	0.775	0.828	0.834	1.730330944	0	1748.035842	3	583.3493042	-1.420435602	83.98104942
													LNDYIFSFDK	1	1	2xTMT6plex [N-Term; K10]	-	0.873	-	1.721904635	0	1719.935794	3	573.9825439	-1.578764784	93.56655136
													LFEFAGYDVLR	1	1	1xTMT6plex [N-Term]	-	-	0.754	1.061019659	0	1558.846696	2	779.9276123	0.803407659	96.32357926
													LQEVFGHAIK	1	1	2xTMT6plex [N-Term; K10]	-	0.797	-	0.762310207	0	1599.962284	3	533.992981	1.316319213	73.50378088
													ILLDHEK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.858	0.89217025	0	1325.819308	3	442.6115723	0.645432504	48.85478093
4506431	RASA1	ras GTPase-activating protein 1 isoform 1	1.050620821	1	2	1	1047	116.329	6.54	-	1.14	1.147														
													LLAITELLQQK	2	1	2xTMT6plex [N-Term; K11]	-	1.14	1.147	1.670698881	0	1728.103528	3	576.7061157	0.153901641	101.3753991
5032027	RBBP4	histone-binding protein RBBP4 isoform a	11.76470588	5	12	1	425	47.626	4.89	-	0.945	1.076														
													EAAFDDAVEER	2	1	1xTMT6plex [N-Term]	-	0.945	1.076	1.778700352	0	1480.711718	2	740.8589478	-0.742407974	47.97857603
													INHEGEVNR	4	2	1xTMT6plex [N-Term]	1.252	1.097	1.128	2.007154942	0	1296.685778	3	432.900238	0.294999247	22.24171724
													RLNVWDLSK	1	2	2xTMT6plex [N-Term; K9]	0.858	-	-	1.035107374	1	1588.957533	3	530.3233643	-1.254285607	66.42082599
													TVALWDLR	1	2	1xTMT6plex [N-Term]	-	0.884	-	1.171741009	0	1202.709474	2	601.8580933	-0.469021467	78.75962178
													TPSSDVLVFDYTK	4	2	2xTMT6plex [N-Term; K13]	0.73	1.378	1.191	1.922605038	0	1930.057365	3	644.0236816	-0.45274723	80.1609969
311078508	RBBP7	histone-binding protein RBBP7 isoform 1	14.07249467	5	11	1	469	52.282	5.27	0.857	-	-														
													INHEGEVNR	4	2	1xTMT6plex [N-Term]	1.252	1.097	1.128	2.007154942	0	1296.685778	3	432.900238	0.294999247	22.24171724
													RLNVWDLSK	1	2	2xTMT6plex [N-Term; K9]	0.858	-	-	1.035107374	1	1588.957533	3	530.3233643	-1.254285607	66.42082599
													TVALWDLR	1	2	1xTMT6plex [N-Term]	-	0.884	-	1.171741009	0	1202.709474	2	601.8580933	-0.469021467	78.75962178
													TPSSDVLVFDYTK	4	2	2xTMT6plex [N-Term; K13]	0.73	1.378	1.191	1.922605038	0	1930.057365	3	644.0236816	-0.45274723	80.1609969
													IGEEQSAEDAEDGPPELLFIHGGHTAK	1	1	2xTMT6plex [N-Term; K27]	0.857	-	-	2.387086868	0	3305.66902	4	827.1702271	-3.007538509	72.33729151
24119166	RBBP9	putative hydrolase RBBP9	6.451612903	1	1	1	186	20.986	6.2	-	-	1.066														
													EQQEVADRLETK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.066	1.817888618	1	1904.048926	3	635.3554688	1.537229406	44.67737604
11545855	RBKS	ribokinase isoform 1	3.105590062	1	3	1	322	34.121	5.05	2.068	1.818	1.595														
													GANQCVQAAR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C5]	2.068	1.818	1.595	1.490723729	0	1303.673834	2	652.340332	-0.342368995	21.75473971
4826972	RBM8A	RNA-binding protein 8A	9.770114943	1	2	1	174	19.877	5.72	0.56	-	0.648														
													EDYDSVEQDGDEPGPQR	2	1	1xTMT6plex [N-Term]	0.56	-	0.648	1.292319059	0	2164.946816	2	1082.978638	1.470295068	40.56072831
56699409	RBMX	RNA-binding motif protein, X chromosome isoform 1	20.46035806	8	20	3	391	42.306	10.05	0.647	0.576	0.554														
													RGPPPPPR	1	1	1xTMT6plex [N-Term]	-	0.364	-	1.579364657	1	1102.668278	3	368.2278748	0.719216825	21.25272601
													YDDYSSSR	1	2	1xTMT6plex [N-Term]	-	0.538	-	1.465076447	0	1221.558512	2	611.2831421	0.40555543	38.64086594
													DDGYSTK	1	2	2xTMT6plex [N-Term; K7]	-	1.13	-	1.011040688	0	1243.657053	2	622.333252	1.748236175	31.50749284
													DYGHSSSRDDYPSR	1	2	1xTMT6plex [N-Term]	-	0.4	-	1.183726072	1	1870.851734	4	468.4681702	-0.471943298	24.90128484
													GFAFVTFESPADAK	4	2	2xTMT6plex [N-Term; K14]	-	0.523	0.593	2.310014963	0	1945.047135	3	649.0197144	-1.308653938	89.70437928
													ALEAVFGK	3	1	2xTMT6plex [N-Term; K8]	0.647	0.698	-	1.87635529	0	1292.797844	2	646.902771	0.325837632	80.14834942
													IVEVLLMK	2	1	2xTMT6plex [N-Term; K8]	-	0.549	0.554	1.580077291	0	1402.910765	2	701.9581299	-1.270376148	97.27104421
													LFIGGLNTETNEK	7	2	2xTMT6plex [N-Term; K13]	0.64	0.681	0.636	2.032406092	0	1894.068599	3	632.0269775	-1.171833382	78.8505092
21361809	RBMXL1	RNA binding motif protein, X-linked-like-1	16.41025641	6	15	1	390	42.116	9.89	-	0.458	-														
													IVEVLLIK	1	1	2xTMT6plex [N-Term; K8]	-	0.458	-	1.331780791	0	1384.954345	2	692.9797974	-1.463314257	97.20423951
													YDDYSSSR	1	2	1xTMT6plex [N-Term]	-	0.538	-	1.465076447	0	1221.558512	2	611.2831421	0.40555543	38.64086594
													DDGYSTK	1	2	2xTMT6plex [N-Term; K7]	-	1.13	-	1.011040688	0	1243.657053	2	622.333252	1.748236175	31.50749284
													DYGHSSSRDDYPSR	1	2	1xTMT6plex [N-Term]	-	0.4	-	1.183726072	1	1870.851734	4	468.4681702	-0.471943298	24.90128484
													GFAFVTFESPADAK	4	2	2xTMT6plex [N-Term; K14]	-	0.523	0.593	2.310014963	0	1945.047135	3	649.0197144	-1.308653938	89.70437928
													LFIGGLNTETNEK	7	2	2xTMT6plex [N-Term; K13]	0.64	0.681	0.636	2.032406092	0	1894.068599	3	632.0269775	-1.171833382	78.8505092
29789090	RCC2	protein RCC2	11.30268199	5	6	5	522	56.049	8.78	-	1.084	1.326														
													DVACGANHTLVLDSQK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl [C4]	-	1.084	1.014	0.99685365	0	2186.163973	3	729.392395	-0.613394705	51.95879674
													SSTAAQEVK	1	1	2xTMT6plex [N-Term; K9]	-	1.056	-	1.470562339	0	1378.794215	2	689.9011841	0.635594531	32.62293085
													IEYDCELVPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C5]	-	1.143	-	0.824923933	0	1522.777296	2	761.8916626	-0.818973786	65.74180773
													GQLGHGDTK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.635	1.461070657	0	1370.779234	3	457.598114	0.40482158	23.44461887
													AGGAAVVITEPEHTK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.181	1.313647747	0	1938.106047	3	646.7072144	0.538049199	48.07791952
4506455	RCN1	reticulocalbin-1 precursor	19.63746224	6	18	6	331	38.866	5	0.451	0.426	0.366														
													IDNDGDGFVTTEELK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.572	1.236924529	0	2111.09085	2	1056.055908	6.484550984	72.45492646
													RYIFDNVAK	1	1	2xTMT6plex [N-Term; K9]	0.579	-	-	0.917362452	1	1583.930983	3	528.6480103	-0.950753724	56.33244623
													EIVVLETLEDIDK	11	1	2xTMT6plex [N-Term; K13]	0.375	0.389	0.401	3.001635313	0	1974.141095	2	987.5741577	-0.028493562	99.0018262
													IVDRIDNDGDGFVTTEELK	2	1	2xTMT6plex [N-Term; K19]	0.724	0.808	-	1.237316012	1	2594.371382	3	865.4602051	-2.050606811	74.71708991
													EEILENWNMFVGSQATNYGEDLTK	1	1	2xTMT6plex [N-Term; K24]	-	1.269	-	1.355976939	0	3246.602915	3	1082.873169	0.628036748	97.85855659
													EEILENWNMFVGSQATNYGEDLTK	1	1	2xTMT6plex [N-Term; K24]; 1xOxidation [M9]	0.469	-	-	1.503071308	0	3262.59783	3	1088.199341	-4.401519836	95.04802655
													YIFDNVAK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.247	0.952015698	0	1427.829872	2	714.4192505	0.94680507	70.47250704
426214088	RCN2	reticulocalbin-2 isoform b precursor	2.388059701	1	2	1	335	39.115	4.45	-	0.646	0.714														
													LGHEEQQK	2	1	2xTMT6plex [N-Term; K8]	-	0.646	0.714	1.242307901	0	1426.805449	3	476.273407	0.153564921	26.60526295
28626510	RCN3	reticulocalbin-3 precursor	4.573170732	1	2	1	328	37.47	4.89	1.686	1.837	-														
													DIVIAETLEDLDRNK	2	1	2xTMT6plex [N-Term; K15]	1.686	1.837	-	1.73109591	1	2202.238183	3	734.7508545	-0.078553464	92.02980006
386781571	RDX	radixin isoform 1	30.9602649	16	33	10	604	71.005	6.71	1.073	1.174	1.042														
													EVWFFGLQYVDSK	2	1	2xTMT6plex [N-Term; K13]	1	0.756	-	1.348306537	0	2076.120634	3	692.7113647	-0.526699509	99.91076626
													ENPLQFK	2	2	2xTMT6plex [N-Term; K7]	1.606	1.546	-	0.85772413	0	1333.788008	3	445.2675476	0.061383267	59.44575845
													EAILNDEIYCPPETAVLLASYAVQAK	1	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl [C10]	0.879	-	-	1.570765734	0	3336.780151	3	1112.93689	4.784470235	102.0813082
													FFPEDVSEELIQEITQR	1	1	1xTMT6plex [N-Term]	-	-	0.901	1.28931725	0	2309.186258	3	770.3984985	-2.301999032	103.3774736
													QLFDQVVK	2	3	2xTMT6plex [N-Term; K8]	1.375	0.658	-	0.944215417	0	1434.872072	2	717.9395142	-0.222967395	71.10437635
													VTTMDAELEFAIQPNTTGK	3	3	2xTMT6plex [N-Term; K19]	1.398	1.334	1.486	1.863004446	0	2524.336911	3	842.1176147	0.546729034	90.52653423
													VTTMDAELEFAIQPNTTGK	2	3	2xTMT6plex [N-Term; K19]; 1xOxidation [M4]	-	1.226	1.298	2.329868793	0	2540.331826	3	847.4499512	1.367697554	82.92779686
													RKPDTIEVQQMK	1	3	3xTMT6plex [N-Term; K2; K12]	-	1.326	-	1.091591835	1	2160.27777	4	540.8259277	1.903203171	45.93455516

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													RKPDTIEVQQMK	1	3	3xTMT6plex [N-Term; K2; K12]; 1xOxidation [M11]	-	-	1.009	1.627165556	1	2176.272685	4	544.8239746	0.635925594	39.34408543
													APDFVFYAPR	2	3	1xTMT6plex [N-Term]	0.751	-	0.794	1.138224959	0	1411.757152	2	706.3817139	-0.709254862	78.27574078
													KPDTIEVQQMK	3	3	3xTMT6plex [N-Term; K1; K11]	1.157	1.189	1.179	2.504264355	0	2004.176659	3	668.729187	-1.821628262	52.37330148
													KPDTIEVQQMK	3	3	3xTMT6plex [N-Term; K1; K11]; 1xOxidation [M10]	0.859	0.875	-	1.052250028	0	2020.171574	3	674.0618896	-0.226690987	46.42555192
													NQEQLAAELAEFTAK	3	1	2xTMT6plex [N-Term; K15]	1.214	1.662	1.099	1.389720082	0	2121.159205	3	707.7252197	0.89632107	92.56067008
													QIEEQTIK	1	1	2xTMT6plex [N-Term; K8]	1.007	-	-	1.03822279	0	1446.856815	2	723.9311523	-1.23534166	47.10953483
													ALELDQERK	1	1	2xTMT6plex [N-Term; K9]	-	1.326	-	0.806537867	1	1559.915727	3	520.6446533	2.358762639	44.63932124
													AFAAQEDLEK	1	1	2xTMT6plex [N-Term; K10]	-	1.009	-	1.061123013	0	1579.873194	2	790.4404297	0.246244446	55.11878634
													EEEATEWQHK	1	1	2xTMT6plex [N-Term; K10]	-	1.34	-	1.406699419	0	1744.890635	3	582.3013306	-0.685521922	49.20491353
													SEEERVTETQK	1	1	2xTMT6plex [N-Term; K11]	-	1.638	-	0.884815812	1	1793.964528	3	598.6599731	0.467369104	30.4767079
													TQNDVLHAENVK	2	1	2xTMT6plex [N-Term; K12]	-	0.993	1.012	1.460341096	0	1826.017232	3	609.3449707	1.712360278	46.4384139
14591902	RECQL	ATP-dependent DNA helicase Q1	3.389830508	2	6	2	649	73.41	7.88	0.768	0.737	0.766														
													AESSQTCHSEQGDK	5	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.768	0.737	0.735	2.349065542	0	2021.959853	3	674.6585083	0.553117977	21.77886981
													QAEELNEK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.772	1.684469938	0	1418.78913	2	709.8972168	-1.390492927	35.83188134
115430112	REEP5	receptor expression-enhancing protein 5	9.523809524	2	7	2	189	21.479	8.1	0.229	0.223	0.204														
													ATVNLLGEEK	6	1	2xTMT6plex [N-Term; K10]	0.229	0.211	0.204	1.783419251	0	1531.909579	3	511.3076782	-0.716636312	65.74795131
													ETADAITK	1	1	2xTMT6plex [N-Term; K8]	-	0.293	-	1.196524501	0	1306.761852	2	653.8840332	-0.81321914	43.33215329
557636683	REPS1	ralBP1-associated Eps domain-containing protein 1 isoform c	1.130653266	1	1	1	796	86.609	5.69	-	-	0.632														
													HPEVLPAEK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.632	1.002407908	0	1477.877885	3	493.2970886	-0.79346262	42.76416476
153792012	REV3L	DNA polymerase zeta catalytic subunit isoform a	1.054313099	1	1	1	3130	352.554	8.47	-	-	0.701														
													MFSVRIVTADYYMASPLQGLDTCQSPLTQAPVK	1	1	2xTMT6plex [N-Term; K33]; 2xOxidation [M1; M13];	-	-	0.701	0.860940278	1	4178.13763	4	1045.291138	1.218504918	97.65642167
10835049	RHOA	transforming protein RhoA isoform 1 precursor	34.71502591	5	10	5	193	21.754	6.1	2.448	2.737	2.778														
													HFCPNVPIILVGNK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	2.381	-	-	0.757846534	0	2066.198508	4	517.3046265	-0.886657607	83.34230293
													LVIVGDGACGK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	2.452	2.857	-	1.223473191	0	1546.90272	3	516.3049927	-1.48380543	65.79200542
													DQFPEVYVPTVFENYVADIEVDGK	3	1	2xTMT6plex [N-Term; K24]	2.578	3.12	3.225	1.063871503	0	3231.650182	3	1077.887695	-0.510483006	103.3552581
													QEPVKPEEGR	2	1	2xTMT6plex [N-Term; K5]	-	2.962	2.196	1.419797301	0	1626.921541	3	542.979248	1.014198032	31.25610694
													EVFEMATR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	2.203	-	0.476335913	0	1227.62409	2	614.3154907	-0.313552569	44.28477591
5032215	RIDA	ribonuclease UK114	8.02919708	1	1	1	137	14.485	8.68	-	1.24	-														
													AAGCDFTNVVK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.24	-	1.708482623	0	1639.887798	2	820.4482422	0.859513073	59.57240082
157671949	RLF	zinc finger protein Rlf	0.731452456	1	1	1	1914	217.813	6.77	0.312	-	-														
													ILSQQPVETEEVNK	1	1	2xTMT6plex [N-Term; K14]	0.312	-	-	1.266514182	0	2072.163956	3	691.3952637	3.514222707	86.14577632
10863929	RNASEL	2-5A-dependent ribonuclease	2.024291498	1	1	1	741	83.481	6.65	0.981	-	-														
													DHNNPQEGPTSSSGR	1	1	1xTMT6plex [N-Term]	0.981	-	-	0.842450559	0	1811.846983	3	604.6202393	-0.451564934	18.4297812
597709777	RNF213	E3 ubiquitin-protein ligase RNF213 isoform 3	0.172844248	1	1	1	5207	591.031	6.48	-	-	0.717														
													NPQTQTEER	1	1	1xTMT6plex [N-Term]	-	-	0.717	1.333981395	0	1331.675273	2	666.3413086	0.050611062	23.2078764
21361547	RNH1	ribonuclease inhibitor	38.39479393	12	29	12	461	49.941	4.82	0.975	1.032	1.035														
													ELTVSNNDINEAGVR	2	1	1xTMT6plex [N-Term]	1.015	-	1.027	2.005643129	0	1859.966035	2	930.4866943	0.041335096	52.43135856
													LDDCGLTEAR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.975	1.067	1.045	1.17228961	0	1378.683395	2	689.8445435	-1.149673625	47.36400668
													ELSLAGNELGDEGAR	1	1	1xTMT6plex [N-Term]	-	1.034	-	1.186493158	0	1759.902372	2	880.4524536	-2.694310498	60.90514139
													ELALGSNK	1	1	2xTMT6plex [N-Term; K8]	0.923	-	-	0.620288074	0	1289.782922	3	430.5990601	-0.2290108	50.92111868
													LQLEYCSLSAASCEPLASVLR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.124	1.203	-	2.277507067	0	2596.331225	3	866.1150513	-0.240536107	95.74509529
													WAELLPLLQQCQVVR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.129	1.162	1.139	1.198608756	0	2082.173132	2	1041.590088	-0.111805664	100.069486
													DSPCQLEALK	3	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.891	0.861	0.987	1.832566977	0	1618.887464	2	809.9489136	1.906647934	63.95218427
													LESCGVTSDNCR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.99	1.063	0.927	1.384006977	0	1626.741321	2	813.8735962	-0.863897148	35.11722592
													VNPALAELNLR	2	1	1xTMT6plex [N-Term]	0.777	0.896	-	1.362582803	0	1438.857929	3	480.2907715	-0.116618098	75.00000486
													SNELGDVGVHCVLQGLQTPSCK	3	1	2xTMT6plex [N-Term; K22]; 2xCarbamidomethyl	1.154	1.21	1.151	1.146693349	0	2856.474819	4	714.8722534	-2.672800781	77.52022061
													LGDVGMAELCPGLLHPSSR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.897	-	-	1.086893797	0	2238.157224	3	746.72229	-2.192389686	80.95779507
													LLCETLLEPGCQLESLWVK	3	1	2xTMT6plex [N-Term; K19]; 2xCarbamidomethyl	1.165	-	0.747	1.845970511	0	2746.492366	3	916.1698608	0.969611117	102.4037584
815891110	RNMT	mRNA cap guanine-N7 methyltransferase isoform 1	1.984126984	1	2	1	504	57.688	7.69	-	1.361	0.905														
													SSTGDGTQNK	2	1	2xTMT6plex [N-Term; K10]	-	1.361	0.905	1.938129425	0	1452.769457	2	726.8883667	-0.000104327	24.85737832
40316915	RNPEP	aminopeptidase B isoform a	19.23076923	10	19	10	650	72.549	5.74	0.772	0.797	0.769														
													VGEGPGVCWLAPEQTAGK	4	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	0.747	0.732	0.797	1.46124506	0	2314.226573	3	772.0783081	-2.679929297	77.82609739
													RPLHSAQAVDVASASNFR	1	1	1xTMT6plex [N-Term]	-	0.94	-	0.777263641	0	2155.156964	3	719.0582275	1.468648103	42.65122358
													EFLHNQGK	1	1	2xTMT6plex [N-Term; K8]	0.671	-	-	1.223452091	0	1430.815619	3	477.61026	0.424505638	38.0083964
													LGDTYPSISNAR	1	1	1xTMT6plex [N-Term]	-	-	0.74	1.339915633	0	1522.806287	2	761.9072266	0.583938356	57.54528253
													VDIIPGFEFDR	2	1	1xTMT6plex [N-Term]	-	0.711	0.74	1.094586372	0	1536.82596	2	768.9134521	-4.120481622	93.72007479
													AIEAVAISPWK	5	1	2xTMT6plex [N-Term; K11]	0.779	0.786	0.801	2.384235382	0	1642.993249	2	821.9994507	-0.988782402	83.49094308
													NDHQEDFWK	1	1	2xTMT6plex [N-Term; K9]	0.852	-	-	0.452049911	0	1676.843291	3	559.6190796	-0.36082708	48.95568585
													TYQLVYFLDK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.711	1.134311914	0	1748.00348	3	583.3404541	1.90471857	94.0229779
													EEYNGVIEEFLATGEK	1	1	2xTMT6plex [N-Term; K16]	0.838	-	-	1.032064557	0	2286.190564	3	762.7351074	0.089544427	95.00732851
													AFFPCFDTPAVK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.821	0.77	-	1.368987799	0	1857.997349	3	620.0037231	-0.394234366	92.09704213
4506569	ROBO1	roundabout homolog 1 isoform a precursor	1.150817686	1	2	1	1651	180.818	6.04	-	1.378	1.311														
													TVDGSTFSVVIPFLVPGIR	2	1	1xTMT6plex [N-Term]	-	1.378	1.311	0.929651856	0	2233.279371	3	745.0979004	-0.09977172	104.6141324
4506583	RPA1	replication protein A 70 kDa DNA-binding subunit	4.058441558	3	3	3	616	68.095	7.21	-	1.143	1.776														
													FFPLIEVNK	1	1	2xTMT6plex [N-Term; K9]	-	0.972	-	1.31388855	0	1564.950322	2	782.9796143	1.041544643	96.02630443
													VETYNDESR	1	1	1xTMT6plex [N-Term]	-	1.846	-	1.370442867	0	1341.64839	2	671.3261719	-2.476490879	29.93626145
													SYEDATK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.776	1.500227809	0	1271.688353	2	636.34729	-0.825471014	36.88107668
974576755	RPE	ribulose-phosphate 3-epimerase isoform 6	11.38211382	2	2	2	246	26.877	5.57	-	1.159	1.228														
													IGPSILNSDLANLGAECLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.159	-	2.333607197	0	2242.206282	3	748.0728149	-1.066282706	94.9166123
													NVCSEAAQK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	1.228	1.196441293	0	1464.788084	2	732.8972168	-0.63305147	33.49034539
15431288	RPL10A	60S ribosomal protein L10a	8.755760369	2	3	2	217	24.816	9.94	1.468	1.261	1.31														
													STPRPK	1	1	2xTMT6plex [N-Term; K6]	1.468	-	-	0.381898314	0	1143.725014	3	381.9129028	-0.750489756	24.2833326

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													KYDAFLASESLIK	2	1	3xTMT6plex [N-Term; K1; K13]	-	1.261	1.31	2.125216484	1	2172.288318	3	724.7665405	-1.495739742	80.0630708
15431290	RPL11	60S ribosomal protein L11 isoform 1	7.865168539	1	3	1	178	20.24	9.6	0.79	0.838	0.774														
													VLEQLTGQTPVFSK	3	1	2xTMT6plex [N-Term; K14]	0.79	0.838	0.774	0.922462821	0	2005.173398	3	669.0593872	-4.882330334	90.82903193
4506597	RPL12	60S ribosomal protein L12	47.87878788	7	16	7	165	17.808	9.42	0.868	0.929	1.109														
													VGDDIAK	1	1	2xTMT6plex [N-Term; K7]	0.743	-	-	1.020241857	0	1175.703609	2	588.3552246	-0.37152327	45.37148494
													IGPLGLSPK	2	1	2xTMT6plex [N-Term; K9]	0.927	-	0.892	0.902677476	0	1339.871343	3	447.2960815	1.752391316	74.61825495
													QAQIEVVPSASALIIK	4	1	2xTMT6plex [N-Term; K16]	0.794	0.868	0.891	1.629680872	0	2125.299661	2	1063.150757	-2.552260382	91.51756668
													KVGDDIAK	1	1	3xTMT6plex [N-Term; K1; K8]	-	-	1.708	1.517409205	1	1532.961504	3	511.6585388	-0.287779517	43.40423812
													CTGGEVGATSALAPK	4	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.954	0.94	-	1.225108147	0	1877.020269	3	626.3449707	0.047969314	52.00068321
													EILGTAQSVGCNVDGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.986	1.386882305	0	1904.969741	2	952.9859009	-2.73785566	57.09503615
													HSGNITFDEIVNIAR	2	1	1xTMT6plex [N-Term]	0.97	-	0.948	2.505032301	0	1915.023491	3	639.0134277	1.169402431	77.10867228
15431297	RPL13	60S ribosomal protein L13 isoform 1	4.265402844	1	1	1	211	24.247	11.65	-	-	1.098														
													EAAEQDVEK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.098	2.212733507	0	1476.794609	2	738.9014893	0.740011927	35.03766305
313569822	RPL17-C18orf32	RPL17-C18orf32 protein isoform 1	7.01754386	2	3	2	228	26.356	10.1	-	1.052	1.634														
													ETAQAIK	2	1	2xTMT6plex [N-Term; K7]	-	0.841	-	1.196274996	0	1218.745809	2	609.876709	0.27306658	36.61417345
													NAESNAELK	2	1	2xTMT6plex [N-Term; K9]	-	1.768	1.634	1.712733388	0	1433.800029	2	717.404541	1.239078822	34.9569743
4506609	RPL19	60S ribosomal protein L19	4.591836735	1	1	1	196	23.451	11.47	0.975	-	-														
													LLADQAEAR	1	1	1xTMT6plex [N-Term]	0.975	-	-	0.759070218	0	1215.689467	2	608.348877	0.831228926	44.82524476
4506605	RPL23	60S ribosomal protein L23	12.85714286	2	4	2	140	14.856	10.51	1.001	1.021	0.951														
													VHPAVVIR	1	1	1xTMT6plex [N-Term]	-	-	0.944	1.275865197	0	1119.719979	3	373.9118958	1.031361305	38.5240822
													GSAITGPVAK	3	1	2xTMT6plex [N-Term; K10]	1.001	1.021	0.971	1.636488795	0	1358.840772	2	679.9248047	1.148953603	48.0402853
4506619	RPL24	60S ribosomal protein L24	5.095541401	1	1	1	157	17.768	11.25	-	-	1.135														
													GQSEEIQK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.135	1.365961552	0	1376.778565	2	688.8924561	-0.675228863	33.680941
4506621	RPL26	60S ribosomal protein L26	4.137931034	1	1	1	145	17.248	10.55	-	-	0.736														
													EETIEK	1	1	2xTMT6plex [N-Term; K6]	-	-	0.736	1.363691807	0	1206.69819	2	603.852478	-0.42280275	37.40647742
209915584	RPL28	60S ribosomal protein L28 isoform 3	6.50887574	1	2	1	169	19.136	10.83	-	1.101	1.07														
													TVGVEPAADGK	2	1	2xTMT6plex [N-Term; K11]	-	1.101	1.07	1.592388272	0	1501.862629	2	751.4349976	0.059550844	53.58182594
4506629	RPL29	60S ribosomal protein L29	9.433962264	1	2	1	159	17.741	11.66	-	0.327	0.339														
													AQAAAPASVPAQAPK	2	1	2xTMT6plex [N-Term; K15]	-	0.327	0.339	1.5394907	0	1836.074353	3	612.6971436	1.374875728	47.26231474
4506631	RPL30	60S ribosomal protein L30	10.43478261	1	1	1	115	12.776	9.63	-	-	0.718														
													LVILANNCPALR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.718	1.509240866	0	1582.930048	2	791.9691772	0.650377563	79.32722681
148746199	RPL31	60S ribosomal protein L31 isoform 2	7.03125	1	1	1	128	14.623	10.8	-	-	1.076														
													SAINEVVTR	1	1	1xTMT6plex [N-Term]	-	-	1.076	0.878485978	0	1217.705117	2	609.3568115	1.009765713	44.1911951
16117791	RPL35A	60S ribosomal protein L35a	6.363636364	1	1	1	110	12.53	11.06	-	-	0.709														
													EHTALLK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.709	1.371425033	0	1269.793093	3	423.9359131	0.073167678	41.92436513
4506643	RPL37A	60S ribosomal protein L37a	8.695652174	1	1	1	92	10.268	10.43	-	-	0.823														
													IEISQHAK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.823	1.205016613	0	1383.83602	3	461.9508057	1.331994659	45.60961361
16579885	RPL4	60S ribosomal protein L4	6.323185012	3	3	3	427	47.667	11.06	-	0.688	0.397														
													KPTTEEK	1	1	3xTMT6plex [N-Term; K1; K7]	-	0.64	-	0.593993545	0	1519.92987	3	507.3148499	0.083188409	30.39601907
													IEEVPELPLVVEDK	1	1	2xTMT6plex [N-Term; K14]	-	1.159	-	1.276165605	0	2067.198944	3	689.7390747	1.802729778	95.53929495
													KPAPEK	1	1	3xTMT6plex [N-Term; K1; K6]	-	-	0.397	1.097148895	0	1356.881798	3	452.9657288	0.615697917	36.58314396
15431301	RPL7	60S ribosomal protein L7	4.032258065	1	1	1	248	29.207	10.65	-	-	1.042														
													EVPAVPETLK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.042	1.191113234	0	1540.935066	2	770.9706421	-0.686706621	65.85248447
4506661	RPL7A	60S ribosomal protein L7a	3.383458647	1	2	1	266	29.977	10.61	0.315	-	0.28														
													VAPAPAVVK	2	1	2xTMT6plex [N-Term; K9]	0.315	-	0.28	1.140421271	0	1309.860779	2	655.4342041	0.269374525	52.4111451
16933546	RPLP0	60S acidic ribosomal protein P0	23.34384858	6	11	6	317	34.252	5.97	0.921	0.875	0.813														
													GHLENNPALEK	4	1	2xTMT6plex [N-Term; K11]	0.785	0.827	0.813	1.909484863	0	1679.94809	3	560.6540527	-0.288703489	41.37997938
													AGAIAPCEVTVPAQNTGLGPEK	2	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.087	0.981	-	1.539928317	0	2638.427457	3	880.1481323	0.90442231	71.33813606
													DMLLANK	1	1	2xTMT6plex [N-Term; K7]	-	0.937	-	1.254165053	0	1262.754265	2	631.8815308	1.203823642	60.93738635
													VLALSVETDYTFPLAEK	1	1	2xTMT6plex [N-Term; K17]	0.826	-	-	0.704353929	0	2354.325936	3	785.4468384	0.011173779	98.3601803
													IIQLLDDYPK	2	1	2xTMT6plex [N-Term; K10]	-	0.821	-	1.372630119	0	1676.00348	2	838.5045776	-0.95521673	94.24036192
													EDLTEIR	1	1	1xTMT6plex [N-Term]	-	1.045	-	0.874874771	0	1104.609819	2	552.8078613	-1.243392667	46.38073702
4506669	RPLP1	60S acidic ribosomal protein P1 isoform 1	51.75438596	2	7	2	114	11.507	4.32	0.98	0.901	0.916														
													AAGVNVEPFWPGLFAK	6	1	2xTMT6plex [N-Term; K16]	0.98	0.901	0.923	1.860391736	0	2161.221017	3	721.0792236	0.971875815	98.77822035
													ALANVNIGSLICNVGAGGPAPAAGAAPAGGPAPSTAAAPAEEK	1	1	2xTMT6plex [N-Term; K43]; 1xCarbamidomethyl	-	-	0.826	2.857167006	0	4267.254525	4	1067.569092	0.002970879	95.16110004
4506671	RPLP2	60S acidic ribosomal protein P2	53.04347826	3	12	3	115	11.658	4.54	0.773	0.81	0.787														
													ILDSVGIEADDDRLNK	2	1	2xTMT6plex [N-Term; K16]	0.88	0.904	-	1.797114491	1	2231.228347	4	558.5618286	-1.282798723	72.16558861
													NIEDVIAQGIGK	3	1	2xTMT6plex [N-Term; K12]	0.835	0.827	0.797	1.739873767	0	1715.010356	2	858.0040283	-5.583528602	88.19060574
													LASVPAGGAVAVSAAPGSAAPAAGSAPAAAEEK	7	1	2xTMT6plex [N-Term; K33]	0.665	0.693	0.737	2.929210901	0	3232.757776	3	1078.255127	-2.149282782	74.55503991
11034845	RPRD1B	regulation of nuclear pre-mRNA domain-containing protein 1B	9.509202454	2	6	2	326	36.877	5.97	1.161	1.261	1.388														
													IASLPQEVQDVSLLEK	3	1	2xTMT6plex [N-Term; K16]	1.145	1.298	1.437	1.767370224	0	2227.29497	3	743.1033936	0.295238876	94.55171041
													LTFLYLANDVIQNSK	3	1	2xTMT6plex [N-Term; K15]	1.211	1.202	1.27	1.675045013	0	2197.263276	3	733.0925293	-0.109777184	102.3705569
321117084	RPS10-NUDT3	RPS10-NUDT3 protein	5.154639175	2	3	2	291	33.12	9.29	1.51	1.233	1.522														
													IAIYELLFK	2	1	2xTMT6plex [N-Term; K9]	1.51	-	1.522	1.07735157	0	1567.986373	2	784.4969482	0.157389362	102.7615809
													DVHMPK	1	1	2xTMT6plex [N-Term; K6]; 1xOxidation [M4]	-	1.233	-	1.199502707	0	1200.6811	3	400.8986206	0.173481873	25.16017359
4506681	RPS11	40S ribosomal protein S11	5.063291139	1	1	1	158	18.419	10.3	-	1.035	-														
													VLLGETGK	1	1	2xTMT6plex [N-Term; K8]	-	1.035	-	1.585857391	0	1274.808409	2	637.9065552	-2.019957211	58.52749167
14277700	RPS12	40S ribosomal protein S12	39.39393939	5	16	5	132	14.505	7.21	0.776	0.743	0.752														
													DVIEEYFK	8	1	2xTMT6plex [N-Term; K8]	0.766	0.686	0.733	1.519853473	0	1500.835017	3	500.9477539	-4.203594117	81.39870931
													LVEALCAEHQINLIK	3	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.702	0.832	-	2.301503658	0	2209.27788	3	737.0950928	-3.238754957	84.78520283
													LGEWVGLCK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.071	-	0.791	1.618312359	0	1519.870692	3	507.2949524	-0.255154776	82.72871071
													VVGCSCVVVK	1	1	2xTMT6plex [N-Term; K10]; 2xCarbamidomethyl	-	0.933	-	1.300566316	0	1564.895527	2	782.9510498	-0.449589518	58.28258119

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													TALIHDGLAR	1	1	1xTMT6plex [N-Term]	-	0.692	-	1.536907315	0	1295.7633	3	432.5921631	-1.052971779	47.34146171
4506685	RPS13	40S ribosomal protein S13	14.56953642	2	4	2	151	17.212	10.54	1.114	1.13	1.091														
													LILIESR	1	1	1xTMT6plex [N-Term]	-	1.266	-	1.353955507	0	1072.692761	2	536.8495483	-0.877492928	71.35515873
													GLAPDLPEDLYHLIK	3	1	2xTMT6plex [N-Term; K15]	1.114	1.07	1.091	2.165064335	0	2152.241812	3	718.0852051	-0.348555455	97.12487407
5032051	RPS14	40S ribosomal protein S14	15.23178808	2	5	2	151	16.263	10.05	0.739	0.74	0.728														
													ELGITALHIK	3	1	2xTMT6plex [N-Term; K10]	0.727	0.711	0.728	1.270520091	0	1552.982685	3	518.3319092	-0.972554912	72.45523388
													IEDVTPIPSDSTR	2	1	1xTMT6plex [N-Term]	0.865	0.997	-	1.18796885	0	1658.879846	2	829.9447021	1.375408159	62.15253667
14165469	RPS15A	40S ribosomal protein S15a	5.384615385	1	1	1	130	14.83	10.13	-	0.961	-														
													SINNAEK	1	1	2xTMT6plex [N-Term; K7]	-	0.961	-	1.893069506	0	1233.720322	2	617.3637085	-0.147268233	33.1825819
4506691	RPS16	40S ribosomal protein S16	6.849315068	1	8	1	146	16.435	10.21	1.25	1.232	1.235														
													LLEPVLLLGK	8	1	2xTMT6plex [N-Term; K10]	1.25	1.232	1.235	1.801159859	0	1553.044222	2	777.0253906	-0.462098883	100.6020148
4506693	RPS17	40S ribosomal protein S17	14.81481481	2	2	2	135	15.54	9.85	-	1.274	1.084														
													LGNDFHTNK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.084	0.688168466	0	1503.831998	3	501.9486084	-0.482590269	43.4020742
													VCEEIAIIPSK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.274	-	1.434151173	0	1716.997014	3	573.00354	-0.551796424	78.72856607
11968182	RPS18	40S ribosomal protein S18	5.921052632	1	2	1	152	17.708	10.99	-	1.344	1.422														
													VLNTNIDGR	2	1	1xTMT6plex [N-Term]	-	1.344	1.422	1.311306238	0	1230.700366	2	615.854126	0.495273376	52.96416568
4506695	RPS19	40S ribosomal protein S19	6.896551724	1	2	1	145	16.051	10.32	0.941	0.974	-														
													IAGQVAAANK	2	1	2xTMT6plex [N-Term; K10]	0.941	0.974	-	1.799906015	0	1400.86257	2	700.9351807	0.367729238	46.06266654
15055539	RPS2	40S ribosomal protein S2	16.72354949	5	12	5	293	31.305	10.24	1.493	1.627	1.782														
													GCTATLGNFAK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.014	0.924	-	1.399191856	0	1597.877234	2	799.4420166	-0.298525359	56.64265325
													LSIVPVR	1	1	1xTMT6plex [N-Term]	-	1.608	-	1.398700356	0	1012.671632	2	506.8399048	0.889656908	68.33179903
													SLEEIYLFSLPIK	7	1	2xTMT6plex [N-Term; K13]	1.714	1.843	1.782	2.846402884	0	2010.192737	2	1005.597778	-2.217080628	102.5788219
													GAIILAK	1	1	2xTMT6plex [N-Term; K7]	-	1.664	-	1.615038395	0	1143.786551	2	572.395813	-1.925082468	63.86171111
													TYSYLTPDLWK	1	1	2xTMT6plex [N-Term; K11]	-	1.708	-	1.717363238	0	1845.019858	3	615.6779785	-0.257771277	89.27245121
226246671	RPS20	40S ribosomal protein S20 isoform 1	16.1971831	2	3	2	142	15.995	9.32	0.856	1.068	-														
													LIDLHSPSEIVK	1	1	2xTMT6plex [N-Term; K12]	0.782	-	-	0.570785284	0	1809.088606	3	603.7020874	1.715132703	73.61370305
													TPVEPEVAIHR	2	1	1xTMT6plex [N-Term]	0.956	1.068	-	1.469234586	0	1476.837194	3	492.9501953	-0.786039588	45.53275909
4506699	RPS21	40S ribosomal protein S21	25.30120482	2	3	2	83	9.106	8.5	-	0.381	0.252														
													DHASIQMNVAEVDK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M7]	-	0.24	0.252	1.480779886	0	2031.058111	3	677.6907349	-0.226261451	52.74867416
													ADGIVSK	1	1	2xTMT6plex [N-Term; K7]	-	0.528	-	0.992410421	0	1147.708695	2	574.3577271	-0.450740192	45.50731018
4506701	RPS23	40S ribosomal protein S23	20.97902098	3	7	3	143	15.798	10.49	0.927	0.948	1.135														
													VANVSLLALYK	4	1	2xTMT6plex [N-Term; K11]	0.819	0.887	1.029	1.541030049	0	1649.040199	2	825.0200195	-4.509924926	93.2088435
													AHLGTALK	2	1	2xTMT6plex [N-Term; K8]	0.949	0.98	-	1.856179953	0	1268.809078	3	423.6075439	-0.787308414	42.47582958
													ANPFGGASHAK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.162	1.235583067	0	1514.847982	3	505.6213379	0.975881337	38.15479639
214010226	RPS24	40S ribosomal protein S24 isoform d	2.422145329	1	1	1	289	32.41	10.15	-	1.249	-														
													THFGGGK	1	1	2xTMT6plex [N-Term; K7]	-	1.249	-	1.120723009	0	1161.678063	3	387.897644	0.2715545	39.11379099
4506707	RPS25	40S ribosomal protein S25	23.2	3	4	3	125	13.734	10.11	0.752	-	0.926														
													AALQELLSK	2	1	2xTMT6plex [N-Term; K9]	0.709	-	-	1.669092894	0	1430.898286	2	715.9533691	0.821380011	85.86870779
													LNNLVLFDK	1	1	2xTMT6plex [N-Term; K9]	1.059	-	-	1.003757358	0	1533.940485	2	767.4744263	0.710861388	91.96795665
													GGDAPAAGEDA	1	1	1xTMT6plex [N-Term]	-	-	0.926	1.729107857	0	1159.542862	2	580.2748413	-0.393338468	31.2633312
208022622	RPS27A	ubiquitin-40S ribosomal protein S27a precursor	35.25641026	6	77	6	156	17.953	9.64	0.979	0.954	0.934														
													EGIPPDQQR	39	1	1xTMT6plex [N-Term]	1.054	0.956	0.944	2.136966705	0	1268.67963	2	634.8416138	-2.900197063	33.27364591
													TLSDYNIQK	5	1	2xTMT6plex [N-Term; K9]	0.935	0.976	0.981	2.569694042	0	1539.878279	2	770.4440918	1.706533423	54.43990406
													QLEDGRTLSDYNIQK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.506	1.009033084	1	2238.213031	3	746.7423706	-0.21112092	55.05212142
													ESTLHLVLR	4	1	1xTMT6plex [N-Term]	0.874	0.814	0.845	1.798407793	0	1296.783701	3	432.9321899	-1.299311349	57.19438759
													TITLEVEPSDTIENVK	26	1	2xTMT6plex [N-Term; K16]	0.96	0.997	1.032	2.081723928	0	2246.253165	2	1123.629517	-0.6268024	82.44556098
													MQIFVK	2	1	2xTMT6plex [N-Term; K6]	-	0.889	0.892	1.302823067	0	1223.758622	3	408.5916138	1.36147649	70.90206967
4506715	RPS28	40S ribosomal protein S28	33.33333333	2	8	2	69	7.836	10.7	0.365	0.465	0.469														
													TGSQGQCTQVR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.365	0.43	0.451	1.663602948	0	1450.726991	3	484.2469482	-0.48249839	20.83540824
													EGDVLTLLESER	2	1	1xTMT6plex [N-Term]	-	0.575	0.582	1.420713067	0	1589.858382	2	795.4317627	-1.341993349	84.72490701
15718687	RPS3	40S ribosomal protein S3 isoform 1	28.39506173	6	10	6	243	26.671	9.66	0.981	1.109	1.143														
													FGFPEGSVELYAEK	2	1	2xTMT6plex [N-Term; K14]	1.09	-	-	1.900759578	0	2031.083915	3	677.6992798	-0.30943307	89.6634615
													ELTAVVQK	1	1	2xTMT6plex [N-Term; K8]	0.939	-	-	1.020903468	0	1345.845523	3	449.2866516	-0.089873625	57.32108441
													ELAEDGYSGVEVR	3	1	1xTMT6plex [N-Term]	1.125	1.098	1.166	2.278757334	0	1652.832896	2	826.9197998	-0.34659924	53.83794917
													GLCAIAQAESLR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.877	-	1.123	1.213399887	0	1517.830728	2	759.4165649	-3.21180557	65.59191326
													DEILPTTPISEQK	1	1	2xTMT6plex [N-Term; K13]	0.899	-	-	1.286043406	0	1929.094479	3	643.7021484	-1.341140897	71.89035377
													GCEVVVSGK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.112	-	1.207645059	0	1392.792107	2	696.8991699	-0.749455891	44.9373864
4506723	RPS3A	40S ribosomal protein S3a isoform 1	21.21212121	6	12	6	264	29.926	9.73	1.049	0.887	0.838														
													IASDGLK	1	1	2xTMT6plex [N-Term; K7]	1.157	-	-	1.015936136	0	1161.724345	2	581.3656616	-0.256719947	48.54350139
													EVQTNDLK	2	1	2xTMT6plex [N-Term; K8]	0.992	-	-	1.811888695	0	1404.809865	2	702.9087524	0.258407078	45.46065727
													LMELHGEGSSSGK	2	1	2xTMT6plex [N-Term; K13]	0.872	0.845	-	1.852909684	0	1789.951855	3	597.321228	-1.521721359	49.79280925
													TSYAQHQQVR	3	1	1xTMT6plex [N-Term]	1.25	0.788	0.694	1.93660748	0	1446.765091	3	482.9266663	0.244883775	25.59769998
													ATGDETGAK	2	1	2xTMT6plex [N-Term; K9]	-	0.68	0.708	1.532061696	0	1307.720716	2	654.3650513	1.613493643	26.67925397
													LITEDVQGK	2	1	2xTMT6plex [N-Term; K9]	-	1.266	1.242	1.554652929	0	1460.872465	2	730.9400024	0.17987389	61.70210817
4506725	RPS4X	40S ribosomal protein S4, X isoform X isoform	13.68821293	3	5	3	263	29.579	10.15	1.162	1.056	1.181														
													TDITYPAGFMDVISIDK	1	1	2xTMT6plex [N-Term; K17]	-	1.153	-	0.826140881	0	2344.251056	3	782.0899048	1.751094644	98.683584
													DANGNSFATR	1	1	1xTMT6plex [N-Term]	1.614	-	-	1.06632781	0	1281.638494	2	641.3226929	-0.30013753	27.30646417
													YALTGDEVK	3	1	2xTMT6plex [N-Term; K9]	1.049	1.016	1.181	2.079238176	0	1453.830266	2	727.418457	-0.432579727	54.99041056
13904870	RPS5	40S ribosomal protein S5	11.76470588	2	3	2	204	22.862	9.72	0.788	-	0.798														
													TIAECLADELINAAK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.74	-	-	0.944996893	0	2090.156762	2	1045.581055	-0.923105403	100.0216881
													GSSNSYAIK	2	1	2xTMT6plex [N-Term; K9]	0.802	-	0.798	1.545967579	0	1384.783651	2	692.8961792	1.033553824	40.57844519
17158044	RPS6	40S ribosomal protein S6	3.212851406	1	1	1	249	28.663	10.84	1.058	-	-														

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													EEAAEYAK	1	1	2xTMT6plex [N-Term; K8]	1.058	-	-	1.973811984	0	1368.741117	2	684.8746948	0.727689426	38.78618988
4506741	RPS7	40S ribosomal protein S7	5.670103093	1	1	1	194	22.113	10.1	-	1.233	-														
													DVNFEFPEFQL	1	1	1xTMT6plex [N-Term]	-	1.233	-	1.414856911	0	1613.80489	2	807.4058228	-0.323101132	102.4056095
4506743	RPS8	40S ribosomal protein S8	6.25	1	1	1	208	24.19	10.32	-	1.503	-														
													ISSLLEEQFQQGK	1	1	2xTMT6plex [N-Term; K13]	-	1.503	-	1.295915604	0	1965.105713	3	655.7075806	1.259880933	88.969878
14141193	RPS9	40S ribosomal protein S9	17.01030928	3	8	3	194	22.578	10.65	1.363	1.401	1.534														
													LDYILGLK	2	1	2xTMT6plex [N-Term; K8]	1.79	-	1.751	1.112056017	0	1392.886659	3	464.9684753	3.025145918	95.7725264
													GQGGAGAGDDEEED	4	1	1xTMT6plex [N-Term]	1.308	1.383	1.305	1.896778107	0	1535.629505	2	768.3181152	-0.358628985	21.97305922
													QVVNIPSFIVR	2	1	1xTMT6plex [N-Term]	1.103	1.451	-	1.232771516	0	1500.909965	2	750.9579468	-0.897885512	89.09930915
747165389	RPSA	40S ribosomal protein SA isoform 2	28.66666667	6	16	6	300	33.293	4.87	1.019	1.04	0.949														
													YVDIAIPCNNK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.122	1.042	-	1.044110537	0	1764.971862	2	882.9901733	0.684362008	71.21187873
													FAAATGATPIAGR	4	1	1xTMT6plex [N-Term]	0.973	1.094	0.787	1.128741145	0	1432.810979	2	716.9094849	0.49852114	53.28887436
													SDGIYIINLK	1	1	2xTMT6plex [N-Term; K10]	1.047	-	-	1.179513335	0	1593.961615	2	797.4827271	-2.15647504	84.87782972
													AIVAIENPADVSVISSR	6	1	1xTMT6plex [N-Term]	0.93	0.97	0.92	3.857308149	0	1970.111971	3	657.3738403	-2.539634285	82.97894972
													EEQAAAEK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.035	1.690522075	0	1333.736366	2	667.3719482	0.190355742	31.44555539
													ADHQPLTEASYVNLPTIALCNTDSPLR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.03	-	1.485592246	0	3225.641142	3	1075.885376	0.134066274	90.03294946
23308689	RPUSD2	RNA pseudouridylate synthase domain-containing protein 2	2.568807339	1	2	1	545	61.273	7.17	0.802	-	0.989														
													ASHQQNGDAGGDAK	2	1	2xTMT6plex [N-Term; K14]	0.802	-	0.989	1.396423221	0	1813.919309	3	605.3112183	-0.114318671	20.14059626
5454028	RRAS	ras-related protein R-Ras	8.71559633	2	2	2	218	23.466	6.93	1.184	0.668	-														
													ADLESQR	1	1	1xTMT6plex [N-Term]	-	0.668	-	1.4641366	0	1047.563204	2	524.2852173	-0.043662938	26.50689776
													LNVDEAFEQLVR	1	1	1xTMT6plex [N-Term]	1.184	-	-	0.848193467	0	1661.906001	2	831.453064	-4.302265174	93.13144089
110611220	RRBP1	ribosome-binding protein 1	25.79324463	22	45	22	977	108.589	5.54	0.454	0.494	0.639														
													GELESSDQVR	3	1	1xTMT6plex [N-Term]	0.599	0.671	0.709	1.280945659	0	1348.690589	2	674.8486938	-0.354258191	31.07038489
													QQLSEMK	1	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M6]	-	0.416	-	0.801662326	0	1337.749908	2	669.3790894	0.743106713	33.26175123
													QNAELAK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.451	1.924521923	0	1231.741058	2	616.3735352	-1.026049665	35.68073489
													VEPAVSSVVNSIQVLTSK	4	1	2xTMT6plex [N-Term; K18]	0.034	0.259	0.123	1.408770084	0	2315.358633	3	772.4570313	-0.903605157	99.48862445
													QSDELALVR	2	1	1xTMT6plex [N-Term]	0.56	0.524	-	1.700345159	0	1259.715681	2	630.3607788	-1.111753099	50.05592221
													QLLLESQSQLDAAK	3	1	2xTMT6plex [N-Term; K14]	0.558	0.584	0.606	1.829947829	0	2002.158476	3	668.0570068	-1.003518059	71.94500539
													AQEQQQQMAELHSK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M8]	-	0.562	1.175	1.178696632	0	2130.101373	3	710.7042847	-1.442131409	39.82169184
													LHSLTQAK	2	1	2xTMT6plex [N-Term; K8]	0.478	0.431	-	1.292701244	0	1355.841106	3	452.6189575	0.894963716	42.11249926
													GDPVAILK	1	1	2xTMT6plex [N-Term; K8]	0.285	-	-	0.748835206	0	1270.813494	2	635.909729	-1.033040799	67.55177605
													SIEALLEAGQAR	2	1	1xTMT6plex [N-Term]	0.785	-	0.75	1.427411079	0	1486.842673	2	743.9244995	-0.639204524	77.9802546
													NTDVAQSPEAPK	5	1	2xTMT6plex [N-Term; K12]	0.38	0.425	0.412	2.597909927	0	1714.937585	3	572.3167114	-1.16841725	41.00763815
													TAGPLESSETEEASQLK	2	1	2xTMT6plex [N-Term; K17]	0.474	0.735	-	1.384077311	0	2235.175642	2	1118.090088	-1.227334755	59.88245381
													HMAAASAECQNYAK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M2];	0.702	0.62	-	2.217235088	0	2025.988651	3	676.0009155	-0.226140442	29.32723223
													DAQDVQASQAEADQQQTR	3	1	1xTMT6plex [N-Term]	0.607	0.464	0.539	2.928046703	0	2218.053346	3	740.0205078	-2.874684015	31.71419923
													HPPAPAEPSSDLASK	2	1	2xTMT6plex [N-Term; K15]	0.479	-	0.431	1.610039592	0	1962.069661	3	654.6956787	1.437962611	45.89002567
													DALNQATSQVESK	1	1	2xTMT6plex [N-Term; K13]	-	0.895	-	1.21793282	0	1849.006727	2	925.006897	-0.113339062	52.20163439
													VGAAEEELQK	3	1	2xTMT6plex [N-Term; K10]	0.431	0.476	-	1.261721969	0	1531.873194	2	766.4400635	-0.224161423	55.61377905
													EVQQLQGK	2	1	2xTMT6plex [N-Term; K8]	-	1.017	0.481	2.024198771	0	1387.830935	2	694.4191895	0.120480273	42.89088715
													AGIIQDTWHK	1	1	2xTMT6plex [N-Term; K10]	-	0.326	-	1.239283323	0	1626.936797	3	542.9837646	-0.034650816	63.64477229
													LQSSEAEVR	1	1	1xTMT6plex [N-Term]	-	-	0.47	1.239728093	0	1247.679296	2	624.3429565	-0.528584601	37.34099851
													QVLQLQASHR	1	1	1xTMT6plex [N-Term]	-	-	0.954	1.366568446	0	1408.822212	3	470.2783203	-1.280880216	39.03188153
													LQQENSILR	1	1	1xTMT6plex [N-Term]	0.642	-	-	1.263164997	0	1329.76878	2	665.387207	-1.234972218	49.58108937
222446611	RSPO2	R-spondin-2 isoform 1 precursor	14.40329218	1	1	1	243	28.296	9.16	-	-	-														
													CFDECPDGFAPLEETMECVEGCEVGHWSEWGTCSR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M16];	-	-	-	0.123621203	0	4468.78573	3	1490.265503	-0.844565205	9.761069107
6912638	RSU1	ras suppressor protein 1 isoform 1	31.40794224	6	14	6	277	31.521	8.65	0.787	0.837	0.969														
													NQPEVDMSDR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	1.007	-	-	1.134452105	0	1435.668474	2	718.3370361	-1.168754769	25.10362182
													ELHIQGNR	2	1	1xTMT6plex [N-Term]	0.758	0.835	-	2.015280724	0	1195.674485	3	399.230011	0.831546543	30.50957707
													HMQANPEPPK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M2]	0.991	-	-	0.977762461	0	1622.872483	3	541.6295166	0.932854986	25.73892131
													LTVLPPELGNLDLTGQK	5	1	2xTMT6plex [N-Term; K17]	0.815	0.834	0.907	1.844409823	0	2266.342254	3	756.1178589	-1.425631913	97.34099716
													ALYLSDNDFEILPPDIGK	3	1	2xTMT6plex [N-Term; K18]	0.661	-	0.971	1.497477889	0	2478.353213	4	620.3435669	-0.312789102	97.84330909
													NLEVLNFFNNQIEELPTQISSLQK	2	1	2xTMT6plex [N-Term; K24]	-	1.028	1.023	1.242371202	0	3276.788013	3	1092.932861	-1.215368711	103.3830725
24431935	RTN4	reticulon-4 isoform A	1.090604027	1	3	1	1192	129.851	4.5	-	0.517	0.646														
													GPLPAAPPVAPER	3	1	1xTMT6plex [N-Term]	-	0.517	0.646	1.92341435	0	1500.873579	2	750.9399414	-0.64820083	59.77114136
4506753	RUVBL1	ruvB-like 1 isoform 1	20.39473684	7	14	7	456	50.196	6.42	0.989	1.382	1.43														
													AQTEGINISEEALNHLGEIGTK	1	1	2xTMT6plex [N-Term; K22]	0.605	-	-	1.522855282	0	2782.498708	3	928.1713867	0.32316502	87.58178181
													GLGLDESGLAK	1	1	2xTMT6plex [N-Term; K11]	1.068	-	-	1.276348948	0	1517.893929	2	759.4497681	-1.09998937	65.2922513
													AVLLAGPPGTGK	2	1	2xTMT6plex [N-Term; K12]	-	1.384	1.037	1.216057658	0	1538.967035	2	769.9869995	-0.202854613	67.80032641
													TALALAIAQELGSK	4	1	2xTMT6plex [N-Term; K14]	1.403	1.388	1.451	1.945402145	0	1844.12572	3	615.3792114	-1.430950519	98.75554591
													ALESSIAPIVIFASNR	4	1	1xTMT6plex [N-Term]	-	1.35	1.347	2.047064781	0	1917.100678	3	639.7054443	0.574585271	97.84240645
													LDPSIFESLQK	1	1	2xTMT6plex [N-Term; K11]	1.438	-	-	1.928016901	0	1735.004208	3	579.0045776	-2.898073573	93.06249052
													KTEITDK	1	1	3xTMT6plex [N-Term; K1; K7]	-	-	1.619	1.307642341	1	1521.94552	3	507.9866638	-0.053697666	38.80007912
5730023	RUVBL2	ruvB-like 2	12.95896328	5	7	5	463	51.125	5.64	1.477	-	1.303														
													EYQDAFLFNELK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.192	1.973537326	0	1975.0577	3	659.0217285	-3.578413494	92.93718421
													AVLIAGQPGTGK	2	1	2xTMT6plex [N-Term; K12]	-	-	1.327	1.633206964	0	1569.972848	2	785.4909668	1.152092377	57.67956402
													TQGFLALFSGDTGEIK	2	1	2xTMT6plex [N-Term; K16]	1.473	-	1.34	2.204441786	0	2142.184691	3	714.7333374	0.35840842	97.25664836
													GTEVQVDDIK	1	1	2xTMT6plex [N-Term; K10]	1.484	-	-	1.498827338	0	1561.883758	2	781.4447021	-1.044061772	54.26228254
													VYSLFLDESR	1	1	1xTMT6plex [N-Term]	-	-	1.08	1.421805501	0	1457.783761	2	729.3967285	1.659657155	84.76258784
375151581	RXRG	retinoic acid receptor RXR-gamma isoform c	3.823529412	1	1	1	340	38.583	7.39	1.325	-	-														
													MNYPSTSPGSLVK	1	1	2xTMT6plex [N-Term; K13]	1.325	-	-	1.404316068	0	1839.008641	3	613.6744385	0.065758085	87.51268932
4506761	S100A10	protein S100-A10	10.30927835	1	6	1	97	11.196	7.37	0.381	0.369	0.382														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													EFPGFLENQK	6	1	2xTMT6plex [N-Term; K10]	0.381	0.369	0.382	1.715287566	0	1666.920478	3	556.3100586	-2.912999638	76.93877142
5032057	S100A11	protein S100-A11	73.33333333	5	53	5	105	11.733	7.12	0.999	0.982	0.937														
													CIESLIAVFQK	14	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.038	1.086	1.036	1.800494075	0	1766.028649	3	589.3477783	0.075265448	99.15368671
													TEFLSFMNTELAAFTK	12	1	2xTMT6plex [N-Term; K16]	0.956	0.891	0.851	1.912980795	0	2308.229927	3	770.0823364	1.095751907	103.9519505
													TEFLSFMNTELAAFTK	8	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M7]	0.674	0.637	0.683	1.960700035	0	2324.224842	2	1162.61438	-1.445055708	96.56284222
													KLDTNSDGQLDFSEFLNLIGGLAMACHDSFLK	1	1	3xTMT6plex [N-Term; K1; K32]; 1xOxidation [M24];	-	0.316	-	1.41195941	1	4260.192391	4	1065.804932	1.292306073	106.067248
													DGYNYTLSK	16	1	2xTMT6plex [N-Term; K9]	1.003	1.003	0.974	1.915728331	0	1518.82043	3	506.9447937	-0.39639741	53.91641928
													ISSPTETER	2	1	1xTMT6plex [N-Term]	-	-	1.01	1.440500855	0	1248.663312	2	624.8353271	0.052966139	36.02526283
5174659	S100A13	protein S100-A13	32.65306122	3	5	3	98	11.464	6.16	0.656	0.66	0.617														
													DSLSVNEFK	1	1	2xTMT6plex [N-Term; K9]	-	0.698	-	1.091104746	0	1496.83608	2	748.9209595	-0.960455662	62.66956506
													SLDVNQDSELK	1	1	2xTMT6plex [N-Term; K11]	-	0.85	-	0.922648251	0	1705.93725	2	853.4733276	1.247544971	56.08490797
													ELVTQQLPHLLK	3	1	2xTMT6plex [N-Term; K12]	0.656	0.635	0.617	1.327684999	0	1877.16244	3	626.3902588	-3.311728746	78.80901674
10190712	S100A14	protein S100-A14	35.57692308	3	9	3	104	11.655	5.24	0.554	0.541	0.552														
													IANLGSCNDSK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.688	0.627	-	1.13676405	0	1636.872876	2	818.9411621	1.326418674	49.48210323
													SFWELIGEAAK	4	1	2xTMT6plex [N-Term; K11]	0.52	0.533	0.555	3.271457911	0	1708.967428	2	854.986145	-1.413152116	97.63296821
													SANAEDAQEFSDVER	3	1	1xTMT6plex [N-Term]	0.737	0.546	0.54	1.700555205	0	1896.87728	2	948.9403687	-2.01331702	47.06929203
948549834	S100A16	protein S100-A16	51.45631068	4	14	4	103	11.794	6.79	0.627	0.638	0.599														
													AVIVLVENFYK	10	1	2xTMT6plex [N-Term; K11]	0.627	0.617	0.584	1.777959824	0	1753.066414	2	877.036438	-0.464816068	99.27401246
													LIQNLDANHDGR	2	1	1xTMT6plex [N-Term]	-	0.758	0.783	1.897974372	0	1594.849883	3	532.2883301	0.347107512	47.9392323
													LIHEQEQQSSS	1	1	1xTMT6plex [N-Term]	-	-	0.516	0.80959326	0	1514.764816	2	757.8862915	0.32350092	32.37413666
													ISFDEYWTLIGGITGPIAK	1	1	2xTMT6plex [N-Term; K19]	-	-	0.555	2.116995811	0	2539.421233	3	847.1452026	-0.070193098	104.8034179
5174661	S100A2	protein S100-A2	24.74226804	3	27	3	97	10.978	4.78	0.915	0.964	0.959														
													VDEEGLK	4	1	2xTMT6plex [N-Term; K7]	0.969	0.966	0.95	1.606895208	0	1247.724739	2	624.3653564	-1.043859543	47.71624521
													ELPSFVGEK	13	1	2xTMT6plex [N-Term; K9]	0.898	0.949	0.956	1.839966893	0	1463.851002	3	488.6221619	0.635683346	70.97568799
													YSCQEGDK	10	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.923	0.985	0.995	1.605789423	0	1444.714251	3	482.2427368	-0.410753048	30.2190728
7657532	S100A6	protein S100-A6	33.33333333	4	7	4	90	10.173	5.48	0.664	0.723	0.52														
													LMEDLDR	2	1	1xTMT6plex [N-Term]	0.767	0.797	-	1.623841882	0	1120.586976	2	560.796814	-0.557110091	55.70884777
													LQDAEIAR	3	1	1xTMT6plex [N-Term]	0.624	0.64	-	1.510804892	0	1144.652353	2	572.8297729	-0.073158948	45.75523899
													YSGREGDK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.393	0.5353387	1	1369.747599	3	457.2536316	-0.918311235	22.65328509
													ELTIGSK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.583	1.244012356	0	1205.75056	2	603.3798218	1.498945759	51.97293835
115298657	S100A7	protein S100-A7	10.89108911	1	2	1	101	11.464	6.77	-	0.83	0.752														
													GTNYLADVFEK	2	1	2xTMT6plex [N-Term; K11]	-	0.83	0.752	1.267016649	0	1714.941608	3	572.3214111	4.70719143	84.67790384
984290538	S100A8	protein S100-A8 isoform a	9.401709402	1	1	1	117	13.523	7.49	1.521	-	-														
													ALNSIIDVYHK	1	1	2xTMT6plex [N-Term; K11]	1.521	-	-	2.161718845	0	1731.020527	3	577.6779785	-0.661074266	73.4020866
4506773	S100A9	protein S100-A9	13.15789474	1	1	1	114	13.234	6.13	1.04	-	-														
													NIETIINTFHQYSVK	1	1	2xTMT6plex [N-Term; K15]	1.04	-	-	0.757969677	0	2265.264338	3	755.7597046	0.098032502	92.66343301
315075331	SAA2-SAA4	SAA2-SAA2 protein precursor	13.46153846	3	6	3	208	23.338	8.98	0.738	0.734	0.829														
													EALQGVGDMGR	1	1	1xTMT6plex [N-Term]	-	0.883	-	0.837806106	0	1361.704465	2	681.3555908	-0.411123992	50.564395
													FRPDGLPK	2	1	2xTMT6plex [N-Term; K8]	-	-	0.859	0.899348378	0	1387.846191	3	463.2871094	0.42050409	56.6315822
													GPGGVWAAK	3	1	2xTMT6plex [N-Term; K9]	0.738	0.667	0.74	1.502050161	0	1300.777777	2	650.8920288	-0.766013096	56.96004024
4885585	SAE1	SUMO-activating enzyme subunit 1 isoform a	16.1849711	3	4	3	346	38.426	5.3	0.908	0.882	-														
													NDVLDSLGISPDLLPEDFVR	2	1	1xTMT6plex [N-Term]	0.918	0.911	-	1.678540707	0	2443.291786	3	815.1021118	-0.001440999	101.807841
													YCFSEMAPVCAVVGGILAQEIVK	1	1	2xTMT6plex [N-Term; K23]; 2xCarbamidomethyl	0.868	-	-	1.585911512	0	2999.580864	3	1000.530212	-1.593433611	105.8144401
													TTSDYFLLQVLLK	1	1	2xTMT6plex [N-Term; K13]	-	0.845	-	1.830290318	0	1999.187986	3	667.0675049	-0.012180727	103.8533747
321267469	SAFB	scaffold attachment factor B1 isoform 1	4.907306434	4	10	4	917	102.793	5.49	1.02	0.981	1.025														
													ELPEQLQEHAIEDK	2	1	2xTMT6plex [N-Term; K14]	1.125	-	1.133	1.123923063	0	2137.154119	3	713.0567627	0.755933287	58.41369674
													REPAEQPGDGER	4	1	1xTMT6plex [N-Term]	-	0.936	0.919	1.674463153	1	1569.781863	3	523.932251	0.214227018	20.23291883
													ILDILGETCK	3	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.082	1.008	1.967587471	0	1619.94425	3	540.6530151	0.149184243	93.52019884
													RNVDSSGNK	1	1	2xTMT6plex [N-Term; K9]	0.864	-	-	0.380390048	1	1434.806511	3	478.9399414	-0.864382229	21.02222848
55742695	SAMD4B	protein Smaug homolog 2 isoform a	3.458213256	1	1	1	694	75.436	6.83	1.189	-	-														
													SMSLIPTSPQVPGEWPSPEELGAR	1	1	1xTMT6plex [N-Term]	1.189	-	-	1.291934848	0	2794.428296	3	932.1439209	-3.967324803	95.15538907
32129199	SARNP	SAP domain-containing ribonucleoprotein	4.761904762	1	2	1	210	23.656	6.42	0.812	-	1.011														
													ITSEIPQTER	2	1	1xTMT6plex [N-Term]	0.812	-	1.011	1.316236734	0	1402.773925	2	701.8901367	-0.661362807	50.31517737
16306548	SARS	serine--tRNA ligase, cytoplasmic	10.31128405	4	8	4	514	58.74	6.43	1.771	1.826	1.587														
													VHQFEK	2	1	2xTMT6plex [N-Term; K6]	1.828	-	1.526	1.578446627	0	1245.735578	3	415.9169006	0.457877504	35.23574299
													LLIDEAILK	4	1	2xTMT6plex [N-Term; K9]	1.643	1.776	1.826	1.454750061	0	1485.965638	2	743.4840698	-3.213123804	94.60964259
													DPGLVDQLVK	1	1	2xTMT6plex [N-Term; K10]	-	1.856	-	0.377399594	0	1541.930315	3	514.6473999	-1.730456262	77.72469393
													EPVGDDESVPENVLSFDDLTADALANLK	1	1	2xTMT6plex [N-Term; K28]	-	1.697	-	1.660853148	0	3431.746996	3	1144.587158	-0.021653876	102.5239187
28416940	SBDS	ribosome maturation protein SBDS	22.8	6	8	6	250	28.745	8.75	0.99	0.866	1.245														
													DVEEGDEK	2	1	2xTMT6plex [N-Term; K8]	-	1.414	1.54	1.356573224	0	1378.710211	2	689.859314	0.827265714	32.0784653
													QQALEVIK	2	1	2xTMT6plex [N-Term; K8]	1.2	1.058	-	2.110216856	0	1386.872072	2	693.9390259	-0.934831852	57.717359
													DIATIVADK	1	1	2xTMT6plex [N-Term; K9]	0.902	-	-	1.141555667	0	1403.851002	2	702.4276123	-2.175309645	72.05954239
													GEVQVSDK	1	1	2xTMT6plex [N-Term; K8]	-	1.05	-	1.198563576	0	1319.757101	2	660.3823242	0.204869138	38.36275356
													DLDEVLQTHSVFVNVSK	1	1	2xTMT6plex [N-Term; K17]	-	-	0.958	1.218086243	0	2388.317496	3	796.7767944	-0.69759118	88.91964629
													DIHYSVK	1	1	2xTMT6plex [N-Term; K7]	-	0.75	-	0.922675133	0	1319.772358	3	440.5959473	0.705354124	44.08364523
116256358	SCAMP1	secretory carrier-associated membrane protein 1 isoform 1	2.662721893	1	1	1	338	37.896	7.42	0.387	-	-														
													DPSVTQVTR	1	1	1xTMT6plex [N-Term]	0.387	-	-	1.1836797	0	1231.684381	2	616.3464355	0.984914454	35.93616851
33469966	SCFD1	sec1 family domain-containing protein 1 isoform a	5.919003115	3	5	3	642	72.334	6.27	0.86	0.937	0.861														
													NSTGEPVWK	3	1	2xTMT6plex [N-Term; K9]	0.915	0.937	0.829	1.106002331	0	1475.82585	2	738.4159546	-0.824704563	52.33284249
													FGQDIISPLLSVK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.028	1.223313093	0	1875.135556	3	625.7174683	1.22403159	97.73116148
													ALTDAGCNLNPLQYIK	1	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	0.792	-	-	1.563888669	0	2249.236409	3	750.4141846	-3.738601699	93.61179102
68160947	SCG2	secretogranin-2 precursor	1.458670989	1	1	1	617	70.897	4.75	-	2.147	-														

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LVNAAGSGR	1	1	1xTMT6plex [N-Term]	-	2.147	-	1.480160713	0	1073.626473	2	537.3167725	-0.190353098	43.42729411
19557645	SCG3	secretogranin-3 isoform 1 precursor	4.05982906	2	4	2	468	52.973	5.03	6.386	5.141	-														
													TEAYLEAIRK	1	1	2xTMT6plex [N-Term; K10]	-	4.942	-	1.273531437	1	1651.978327	3	551.3306274	-0.604369782	58.84759272
													SHEETDSTK	3	1	2xTMT6plex [N-Term; K9]	6.386	5.427	-	0.914844215	0	1491.769123	3	497.9274292	-0.930581229	29.06266514
224465190	SCRN1	secernin-1 isoform b	14.97695853	5	9	5	434	48.683	4.78	0.915	1.006	0.947														
													VECTYISIDQVPR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.067	1.006	1.133	1.521559477	0	1808.941401	2	904.9755249	1.311504445	69.45083728
													DEVQEVVYFSAADHEPESK	1	1	2xTMT6plex [N-Term; K19]	1.297	-	-	1.381421208	0	2637.308447	3	879.7735596	-0.880423776	68.55521836
													DGLVVFGK	1	1	2xTMT6plex [N-Term; K8]	0.824	-	-	1.468177915	0	1292.797844	2	646.9015503	-1.562629511	75.08593786
													AIIESDQEQGRK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.9	1.747018099	1	1832.027797	3	611.3465576	-1.461287019	36.9933519
													TQSPCFGDDDPAK	3	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.861	-	0.907	1.891316891	0	1895.920949	3	632.6447754	-0.620156724	49.62478417
38504671	SCRN3	secernin-3 isoform 1	2.594339623	1	1	1	424	48.513	5.55	-	1.651	-														
													ALNVIVDLLEK	1	1	2xTMT6plex [N-Term; K11]	-	1.651	-	2.12790513	0	1685.061329	3	562.3598022	2.091721067	104.2989722
29568086	SDC1	syndecan-1 precursor	5.483870968	1	6	1	310	32.457	4.63	1.077	1.117	1.122														
													EGEAVVLPEVEPGLTAR	6	1	1xTMT6plex [N-Term]	1.077	1.117	1.122	1.748106241	0	1995.095987	2	998.0495605	-2.076193966	77.9965085
38201675	SDC4	syndecan-4 precursor	18.18181818	4	7	4	198	21.628	4.5	1.069	2.237	2.912														
													RISPVEESEDVSNK	2	1	2xTMT6plex [N-Term; K14]	1.386	2.627	-	1.279300332	1	2047.107169	3	683.0393677	-1.768023048	46.27298979
													ISPVEESEDVSNK	2	1	2xTMT6plex [N-Term; K13]	0.983	1.252	-	2.034481525	0	1891.006058	2	946.0053101	-1.435560082	56.59219078
													KLEENEVIPK	1	1	3xTMT6plex [N-Term; K1; K10]	-	-	2.902	0.900937378	1	1886.156575	3	629.390625	0.395820798	59.56852987
													AGSGSQVPTEPK	2	1	2xTMT6plex [N-Term; K12]	-	2.712	3.017	1.484783769	0	1615.905556	2	808.4572144	0.987465469	37.63331782
18699732	SDF4	45 kDa calcium-binding protein isoform 2 precursor	20.71823204	8	19	7	362	41.78	4.86	0.764	0.658	0.649														
													LNEELK	1	2	2xTMT6plex [N-Term; K6]	0.848	-	-	1.353881598	0	1203.73491	2	602.3709106	-0.303099075	50.22353762
													TAEHFQEAMEESK	2	1	2xTMT6plex [N-Term; K13]	0.642	0.641	-	1.071665049	0	1994.989362	3	665.6689453	1.463886252	48.23833334
													TAEHFQEAMEESK	2	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M9]	1.189	1.398	-	0.954777122	0	2010.984277	3	671.0007935	1.765240601	34.54036403
													DLGGFDEDAEPR	2	1	1xTMT6plex [N-Term]	0.803	0.783	-	1.678251743	0	1549.733182	2	775.369751	-0.617226814	54.6096837
													DLDQDGDK	2	1	2xTMT6plex [N-Term; K8]	-	0.905	0.941	0.876395464	0	1363.710545	2	682.3596802	1.128253769	36.11235244
													LEMDGHLNR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	0.572	0.558	0.584	1.399670959	0	1329.678251	3	443.8974304	-0.385446806	39.80536108
													VDEETQEVLENLK	4	1	2xTMT6plex [N-Term; K13]	0.924	0.856	0.824	1.609385729	0	2004.090122	2	1002.547668	-1.028789032	84.12607483
													GFHQEVFLGK	2	1	2xTMT6plex [N-Term; K10]	-	0.521	0.522	1.897229791	0	1619.930983	3	540.649292	1.444065572	60.0332288
													EIVRDLDQDGDK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.58	1.22724545	1	1861.006727	3	621.0076294	0.864071887	50.30003465
209862853	SEC13	protein SEC13 homolog isoform 3	10.86956522	3	3	3	368	40.721	5.85	-	1.141	1.086														
													DVAWAPSIGLPTSTIASCSQDGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.418	-	1.533267856	0	2618.308181	3	873.4385376	-2.719900233	90.37450025
													LEAHSDWVR	1	1	1xTMT6plex [N-Term]	-	-	1.086	1.05408442	0	1341.711265	3	447.9082336	-0.832632396	43.78319148
													LATCSSDR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.07	-	0.885877192	0	1138.572388	2	569.7905273	1.220491129	26.03630917
7110715	SEC14L2	SEC14-like protein 2 isoform 1	9.181141439	4	6	4	403	46.116	7.84	0.808	0.879	0.875														
													FRENVQDVLPALPNPDDYFLLR	1	1	1xTMT6plex [N-Term]	-	0.786	-	1.404172659	1	2860.519494	3	954.1741333	-4.071805027	98.08679583
													ENVQDVLPALPNPDDYFLLR	1	1	1xTMT6plex [N-Term]	-	0.978	-	1.55869019	0	2557.349969	3	853.1201172	-1.630980331	99.96197345
													QLGAGTPK	3	1	2xTMT6plex [N-Term; K8]	0.808	0.891	0.869	1.323008418	0	1229.761793	2	615.3846436	0.176871144	38.66769244
													VGDLSPR	1	1	1xTMT6plex [N-Term]	-	-	0.881	1.502915144	0	972.5675609	2	486.7874756	0.116898691	40.18400883
38202214	SEC23A	protein transport protein Sec23A	1.045751634	1	1	1	765	86.105	7.08	0.802	-	-														
													HFEALANR	1	1	1xTMT6plex [N-Term]	0.802	-	-	1.669983625	0	1186.653022	3	396.2220764	-1.134082102	34.03317999
6005824	SEC23IP	SEC23-interacting protein	0.6	1	1	1	1000	111.007	5.54	1.529	-	-														
													IHLEIK	2	1	2xTMT6plex [N-Term; K6]	1.529	-	-	1.07849431	0	1210.792365	3	404.2686157	-0.884505108	56.87969097
38373669	SEC24C	protein transport protein Sec24C	0.731261426	1	1	1	1094	118.249	7.06	-	1.043	-														
													SLLDFLPR	1	1	1xTMT6plex [N-Term]	-	1.043	-	0.595253766	0	1189.714225	2	595.3605957	-0.260771657	95.25804306
970259874	SEC31A	protein transport protein Sec31A isoform 1	2.213114754	2	2	2	1220	132.931	6.89	-	1.276	-														
													MADAIILAIAGGQELLAR	1	1	1xTMT6plex [N-Term]	-	1.915	-	0.634859681	0	2055.183362	2	1028.097168	1.799049938	107.3270401
													EIVESCDLK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.242	-	1.652446032	0	1550.850016	2	775.9296875	1.34288937	57.47679423
5454048	SEMA3C	semaphorin-3C precursor	1.464713715	1	3	1	751	85.153	8.69	0.313	0.336	0.345														
													QQHQQGDESQK	3	1	2xTMT6plex [N-Term; K11]	0.313	0.336	0.345	1.798242211	0	1770.913495	3	590.975708	-0.522045015	17.56186039
39777608	SEMA4B	semaphorin-4B precursor	4.540023895	4	6	4	837	92.707	7.05	1.968	1.798	-														
													ISLPLGSEERPFLR	3	1	1xTMT6plex [N-Term]	1.967	1.352	-	1.292603374	0	1843.063899	3	615.0235596	-4.217639479	80.49695024
													SQSLRPTK	1	1	2xTMT6plex [N-Term; K8]	1.995	-	-	0.923019886	0	1374.84692	3	458.9539795	0.338740667	30.07762869
													AVSVGPR	1	1	1xTMT6plex [N-Term]	1.808	-	-	1.618439794	0	914.5620816	2	457.7851257	0.976691317	31.41373805
													GNVLLEDGK	1	1	2xTMT6plex [N-Term; K9]	-	2.02	-	0.494347036	0	1402.830601	2	701.9193115	0.531580131	59.87474109
4504237	SEMA7A	semaphorin-7A isoform 1 preproprotein	9.459459459	5	7	5	666	74.776	7.64	2.033	1.902	0.999														
													VYLFDFPEGK	2	1	2xTMT6plex [N-Term; K10]	1.992	1.902	-	1.505473495	0	1672.935066	2	836.9702759	-1.07032976	93.95113387
													SEGLLACGTNAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.283	1.067452192	0	1477.763043	2	739.383667	-2.0201044	44.09214973
													LQDVFLLPDPSGQWR	2	1	1xTMT6plex [N-Term]	2.355	-	1.87	1.163680792	0	2000.080277	2	1000.542908	-0.869125271	97.34489726
													GDQGGESSLSVSK	1	1	2xTMT6plex [N-Term; K13]	-	1.902	-	1.407088757	0	1708.911764	2	854.9592285	-0.341456336	44.41028125
													SVLQSINPAEPHK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.727	1.225226879	0	1878.084918	3	626.7001953	0.593683219	55.79273264
148277022	SEPP1	selenoprotein P isoform 2	4.622871046	2	3	2	411	46.179	8.03	-	0.749	0.66														
													LPTDSELAPR	2	1	1xTMT6plex [N-Term]	-	0.685	0.66	1.581209898	0	1327.741896	2	664.3743896	-0.29639279	54.14807359
													RVSLATVDK	1	1	2xTMT6plex [N-Term; K9]	-	0.759	-	0.967342198	1	1446.904434	3	482.9728088	-0.387783958	46.35040539
66346679	SERBP1	plasminogen activator inhibitor 1 RNA-binding protein isoform 1	20.09803922	7	18	7	408	44.938	8.65	0.799	0.872	0.787														
													SAAQAAAQTNSNAAGK	3	1	2xTMT6plex [N-Term; K16]	0.274	0.358	0.313	1.681265473	0	1919.034673	2	960.022583	1.676074784	32.00374647
													RPDQQLQGEGK	2	1	2xTMT6plex [N-Term; K11]	0.632	-	0.711	0.864206553	0	1713.964803	3	571.992981	-0.240961136	33.12306969
													NPLPPSVGVVDK	4	1	2xTMT6plex [N-Term; K12]	0.782	0.826	0.755	1.430771708	0	1680.009628	2	840.5084229	-0.034831274	66.89127704
													EAGGGGVGGPGAK	5	1	2xTMT6plex [N-Term; K13]	0.904	0.892	0.968	3.199562311	0	1471.826912	2	736.4151001	-2.710036523	32.56167791
													ENEVEEVK	2	1	2xTMT6plex [N-Term; K8]	1.311	-	1.401	1.208153844	0	1433.788795	2	717.3980713	0.049197012	43.43365754
													KEETQPPVALK	1	1	3xTMT6plex [N-Term; K1; K11]	0.463	-	-	1.542890787	1	1927.183124	3	643.0651245	-1.195514227	50.44406385
													KPNEGADGQWK	1	1	3xTMT6plex [N-Term; K1; K11]	-	0.949	-	1.282855392	0	1917.079722	3	639.6972656	-1.292703152	43.13677968
189163530	SERPINA1	alpha-1-antitrypsin precursor	47.1291866	15	68	15	418	46.707	5.59	0.272	0.281	0.265														

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													FLENEDRR	1	1	1xTMT6plex [N-Term]	-	-	0.33	1.633775711	1	1307.690529	3	436.5686646	0.69667274	34.44055144
													SVLGQLGITK	3	1	2xTMT6plex [N-Term; K10]	0.177	0.185	0.206	1.522883058	0	1473.940485	2	737.4749756	1.485169786	77.02999003
													ITPNLAEFAFSLYR	11	1	1xTMT6plex [N-Term]	0.333	0.242	0.26	1.569741368	0	1871.026451	3	624.3474121	0.658653503	100.9633834
													QINDYVEK	6	1	2xTMT6plex [N-Term; K8]	0.26	0.258	0.248	1.649778366	0	1466.825515	2	733.9175415	1.561929342	58.29275769
													WERPFEVK	2	1	2xTMT6plex [N-Term; K8]	0.231	-	0.237	1.068254828	0	1548.89387	3	516.9692383	-0.457162536	59.19521306
													TLNQPDSQLQLTTGNGLFLSEGLK	6	1	2xTMT6plex [N-Term; K24]	0.31	0.217	0.213	2.061086893	0	3032.666836	3	1011.560303	-0.158476648	93.98445795
													SASLHLPK	2	1	2xTMT6plex [N-Term; K8]	0.329	0.326	-	1.276808858	0	1310.819642	2	655.9138794	0.640804452	49.22268155
													AVLTIDEK	3	1	2xTMT6plex [N-Term; K8]	0.372	0.482	0.222	1.307210088	0	1346.829538	2	673.9174194	-1.46704743	62.41887588
													TDTSHHDQDHPTFNK	4	1	2xTMT6plex [N-Term; K15]	0.276	0.259	0.284	1.31509769	0	2238.093979	2	1119.55127	0.573623142	29.79942594
													DTEEEDFHVDQVTTVK	4	1	2xTMT6plex [N-Term; K16]	0.321	0.388	0.526	1.923081994	0	2350.181456	3	784.0648804	-0.582183437	59.72596432
													LYHSEAFTVNFGDTEEAK	6	1	2xTMT6plex [N-Term; K18]	0.384	0.284	0.342	1.80107224	0	2516.27094	3	839.4310913	3.09222495	73.50511634
													LSITGTYDLK	11	1	2xTMT6plex [N-Term; K10]	0.254	0.237	0.315	2.158503532	0	1568.92998	3	523.6473999	-1.487557124	75.90371831
													LQHLENELTHDIITK	3	1	2xTMT6plex [N-Term; K15]	0.312	0.266	0.317	2.247325182	0	2262.285802	3	754.7675781	1.05158464	80.4397583
													VFSNGADLSGVTEEAPLK	5	1	2xTMT6plex [N-Term; K18]	0.204	0.227	0.195	2.532237291	0	2292.248748	2	1146.627563	-0.391557363	80.15616556
													ELDRDTVFALVNYIFFK	1	1	2xTMT6plex [N-Term; K17]	-	-	0.073	1.03761518	1	2548.421567	3	850.1448364	-0.632255149	107.0807023
13489087	SERPINB1	leukocyte elastase inhibitor	44.06332454	13	33	13	379	42.715	6.28	0.988	0.944	0.981														
													ADLSGMSGAR	2	1	1xTMT6plex [N-Term]	0.917	-	0.917	1.22536397	0	1193.614587	2	597.3108521	-0.13388613	39.02351306
													ADLSGMSGAR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	0.884	-	0.442546457	0	1209.609502	2	605.3076782	-1.175970166	28.96495218
													LHEWTKPENLDFIEVNVSLPR	1	1	2xTMT6plex [N-Term; K6]	1.046	-	-	2.286867619	0	2994.645312	4	749.4127197	-5.430811349	90.43008215
													HNSSGSILFLGR	3	1	1xTMT6plex [N-Term]	-	0.753	0.962	1.331837177	0	1516.843342	3	506.285553	-0.81475418	53.29510401
													FQSLNADINK	3	1	2xTMT6plex [N-Term; K10]	-	0.746	0.936	1.232661605	0	1607.915727	3	536.6437988	0.694062727	65.271373
													FAYGYIEDLK	3	1	2xTMT6plex [N-Term; K10]	0.971	0.963	-	2.183161736	0	1676.92998	3	559.6481934	0.027728126	89.53753087
													TYNFLPEFLVSTQK	3	1	2xTMT6plex [N-Term; K14]	0.87	0.9	-	1.069342613	0	2145.199613	3	715.7394409	1.937579086	97.55810696
													KIEEQLTLEK	1	1	3xTMT6plex [N-Term; K1; K10]	1.183	-	-	1.707555652	1	1918.18279	3	640.0647583	-1.599554366	61.38542452
													TYGADLASVDFQHASEDAR	5	1	1xTMT6plex [N-Term]	1.086	1.123	1.056	1.856177449	0	2282.088669	3	761.3667603	-1.289081498	62.29406409
													LGVQDLFNSSK	1	1	2xTMT6plex [N-Term; K11]	1.1	-	-	1.468509912	0	1665.957592	2	833.480957	-1.773501027	81.84040472
													TFHFNTVEEVHSR	2	1	1xTMT6plex [N-Term]	-	0.988	1.012	1.423164606	0	1831.928862	4	458.7383423	1.461481764	48.62551168
													LEESYTLNSDLAR	3	1	1xTMT6plex [N-Term]	1.054	1.281	-	1.423120499	0	1739.90131	3	580.6384277	-0.333224	65.11375308
													IPELLASGMVDNMTK	3	1	2xTMT6plex [N-Term; K15]	1.078	0.845	1.025	1.960726619	0	2077.143754	3	693.0531616	0.566741362	96.06948698
													GNTAAQLSK	2	1	2xTMT6plex [N-Term; K9]	-	0.985	1.024	1.59646368	0	1347.799635	2	674.4038086	0.523525517	41.1845315
4505595	SERPINB2	plasminogen activator inhibitor 2	41.20481928	14	37	14	415	46.566	5.63	0.305	0.374	0.357														
													SMGMEDAFNK	2	1	2xTMT6plex [N-Term; K10]	0.379	0.364	-	1.548306108	0	1587.79112	2	794.397644	-1.958024593	62.03106917
													GSYPDAILQAQAADK	5	1	2xTMT6plex [N-Term; K15]	0.241	0.372	0.276	1.600715041	0	2006.095876	2	1003.549438	-2.131446919	66.20934005
													ITNCILFFGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.397	0.329	1.673525095	0	1469.813622	2	735.4111328	0.930243794	92.06852901
													ANFSGMSER	1	1	1xTMT6plex [N-Term]	0.356	-	-	1.618770838	0	1227.598937	2	614.3029785	-0.209204116	39.33437794
													LEEHYELR	5	1	1xTMT6plex [N-Term]	0.287	0.32	0.295	1.257796645	0	1317.700031	3	439.9049377	0.17344799	42.54397247
													YYSSEPQAVDFLECAEEAR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.643	0.761	0.344	1.381745696	0	2493.144136	2	1247.075317	-0.311800816	87.66979065
													IPNLLPEGSVDGDTR	5	1	1xTMT6plex [N-Term]	0.418	0.26	0.577	1.489346743	0	1811.970058	2	906.4898071	1.258115609	79.33068066
													MAEDEVEVYIPQFK	1	1	2xTMT6plex [N-Term; K14]	-	0.396	-	0.986902714	0	2156.134964	3	719.3837891	0.858071286	92.38814455
													MAEDEVEVYIPQFK	2	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M1]	0.224	0.345	-	1.158298135	0	2172.129879	3	724.7168579	2.827483075	87.62886565
													LNIGYIEDLK	2	1	2xTMT6plex [N-Term; K10]	0.341	-	0.353	1.230767727	0	1635.972179	2	818.4897461	0.022058749	90.28815756
													SASFREEYIR	1	1	1xTMT6plex [N-Term]	-	-	0.329	1.486765385	1	1486.785158	3	496.2665405	-0.060283066	44.59210192
													SLSSAINASTGNYLLESVNK	3	1	2xTMT6plex [N-Term; K20]	-	0.919	0.328	1.662562728	0	2526.381553	2	1263.69519	0.614087517	90.54519529
													GSTEDQMAK	3	1	2xTMT6plex [N-Term; K9]	0.378	0.64	-	1.795598507	0	1424.74555	2	712.8759155	-0.699068905	31.14653876
													YYSSEPQAVDFLECAEEARK	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	-	-	0.649	1.018491507	1	2850.40203	3	950.8068237	1.363832668	80.78839204
													TGHGGPQFVADHPFLFLIMHK	1	1	2xTMT6plex [N-Term; K21]	-	0.213	-	1.015667558	0	2807.521967	5	562.3103027	0.156861417	90.49822558
167860126	SERPINB5	serpin B5	57.06666667	15	67	15	375	42.073	6.05	1.333	1.365	1.388														
													HIFSEDTSDFSGMSETK	4	1	2xTMT6plex [N-Term; K17]	1.398	1.492	1.383	1.535808444	0	2376.142962	3	792.7198486	0.854539676	60.28998704
													HIFSEDTSDFSGMSETK	1	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M13]	-	1.428	-	0.587204695	0	2392.137877	3	798.0505371	-0.342397436	54.49477378
													LSSFYSLK	2	1	2xTMT6plex [N-Term; K8]	-	1.181	1.079	1.594394326	0	1402.834624	2	701.9220581	1.579716454	78.26851849
													GDTANEIGQVLHFENVK	8	1	2xTMT6plex [N-Term; K17]	1.368	1.355	1.436	2.060633183	0	2329.25523	3	777.0897217	-0.26551875	79.78959443
													QLNSESLSQWTNPSTMANAK	3	1	2xTMT6plex [N-Term; K20]	1.337	1.247	-	2.127544165	0	2665.365585	3	889.1248169	-2.133934811	77.56711868
													QLNSESLSQWTNPSTMANAK	3	1	2xTMT6plex [N-Term; K20]; 1xOxidation [M16]	1.305	1.261	1.356	2.455575466	0	2681.3605	3	894.4578857	-0.520695907	69.37420456
													ELETVDFK	3	1	2xTMT6plex [N-Term; K8]	1.406	1.447	1.391	1.151523948	0	1438.819367	3	480.276825	-2.394815195	66.56772142
													DELNADHPFIYIIR	4	1	1xTMT6plex [N-Term]	1.317	1.302	1.406	1.389320374	0	1945.038078	3	649.0176392	0.147169596	78.22632542
													EPLGNVLFSPICLSTSLSLAQVGAK	4	1	2xTMT6plex [N-Term; K25]; 1xCarbamidomethyl	1.144	1.222	1.171	1.522233009	0	3059.721514	3	1020.579224	0.524102743	103.809311
													GQINNSIK	4	1	2xTMT6plex [N-Term; K8]	0.973	1.069	1.467	1.596062779	0	1331.80472	2	666.4071045	1.660907445	40.4913801
													IIELPFQNK	2	1	2xTMT6plex [N-Term; K9]	1.322	-	-	1.139939785	0	1559.956136	2	780.4821167	0.526436878	90.35944896
													DVEDESTGLEK	4	1	2xTMT6plex [N-Term; K11]	-	1.393	1.446	1.784152508	0	1679.873981	2	840.4404907	-0.164663951	50.01190423
													DLTDGHFENILADNSVNDQTK	6	1	2xTMT6plex [N-Term; K21]	1.347	1.319	1.396	1.83696425	0	2804.410287	3	935.473999	-1.013681807	76.0107446
													VCLEITEDGGDSIEVPGAR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.194	1.178	1.31	1.673491955	0	2246.117193	2	1123.559692	-2.263646079	80.63308989
													DVPFGFQTVTSDVNK	10	1	2xTMT6plex [N-Term; K15]	1.465	1.451	1.381	2.358112335	0	2112.137741	3	704.7164917	-1.334738871	85.85595958
													ACLENLGLK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.576	1.546	1.515	2.315017462	0	1475.865606	2	738.435791	-0.881461526	68.48804696
													SLNLSTEFISSTK	2	1	2xTMT6plex [N-Term; K13]	-	1.199	-	2.198196173	0	1885.068265	2	943.0355225	-2.385180531	81.11308036
425876768	SERPINB6	serpin B6 isoform d	15.69620253	5	10	5	395	44.793	5.68	0.988	0.932	1.046														
													HINTWVAEK	3	1	2xTMT6plex [N-Term; K9]	1.063	0.989	0.987	2.06622839	0	1555.899683	3	519.3045044	-0.464931264	48.63406544
													LEESYDMESVLR	1	1	1xTMT6plex [N-Term]	-	-	1.578	1.310507655	0	1699.841018	2	850.4248047	0.773628231	75.84285683
													SGGGGDIHQGFQSLLTEVNK	2	1	2xTMT6plex [N-Term; K20]	0.928	-	-	1.543670297	0	2502.335271	4	626.3404541	1.884298361	78.36211597
													IAELLSPGSVDPLTR	3	1	1xTMT6plex [N-Term]	0.775	0.828	0.945	1.532877445	0	1797.03193	2	899.0163574	-3.612487982	93.86359059
													ELTYEK	1	1	2xTMT6plex [N-Term; K6]	-	0.863	-	1.312564373	0	1240.718925	2	620.8627319	-0.594689738	46.52071765
4502261	SERPINC1	antithrombin-III precursor	2.155172414	1	1	1	464	52.569	6.71	-	-	0.915														
													ATEDEGSEQK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.915	1.460000992	0	1551.790252	2	776.3977051	-1.365096699	29.87466505

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
10835159	SERPINE1	plasminogen activator inhibitor 1 precursor	51.24378109	16	64	16	402	45.031	7.2	0.254	0.284	0.272														
													TPFPDSSTHR	7	1	1xTMT6plex [N-Term]	0.234	0.304	0.244	1.769348621	0	1373.701094	3	458.5717163	-0.362782137	31.6654945
													SDGSTVSVPMMAQTNK	5	1	2xTMT6plex [N-Term; K16]	0.95	0.392	0.447	1.725496411	0	2111.087696	2	1056.047241	-0.232215898	63.05501258
													HNPTGTVLFMGQVMEP	2	1	1xTMT6plex [N-Term]	-	0.447	0.396	1.384660959	0	1986.997869	3	663.0050049	1.304459596	86.38362027
													FIINDWVK	3	1	2xTMT6plex [N-Term; K8]	-	0.24	0.247	1.66676712	0	1492.892807	2	746.9507446	0.941492789	93.28194805
													EVPLSALTNILSAQLISHWK	9	1	2xTMT6plex [N-Term; K20]	0.196	0.206	0.201	2.595552206	0	2678.564543	3	893.5251465	-1.365215143	105.0081662
													QVDFSEVER	3	1	1xTMT6plex [N-Term]	0.39	0.496	0.465	1.801436305	0	1337.689861	2	669.3496704	1.647295369	58.10056556
													DEISTTDAIFVQR	12	1	1xTMT6plex [N-Term]	0.439	0.429	0.331	2.537540436	0	1723.906395	3	575.3065186	-0.807883735	67.00771937
													GMISNLLGK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M2]	0.191	0.187	-	0.708334029	0	1406.844143	3	469.6195068	-0.124727525	68.23458758
													LVQGFMPHFFR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	-	0.286	0.247	1.695645809	0	1623.86672	3	541.9602051	-0.405209133	74.10345502
													GAVDQLTR	1	1	1xTMT6plex [N-Term]	-	0.258	-	0.851528585	0	1088.626138	2	544.8171997	0.90434542	35.75427973
													VFQQVAQASK	5	1	2xTMT6plex [N-Term; K10]	0.237	0.21	-	1.58603549	0	1563.925898	3	521.9802856	0.259375201	59.2394917
													ELMGPWNK	3	1	2xTMT6plex [N-Term; K8]	0.222	0.226	0.238	1.253019452	0	1432.802278	2	716.9055176	1.033629185	70.56227253
													MAPEEIIMDRPFLFVVR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	-	0.829	-	0.679123223	0	2308.239497	3	770.0856323	1.233300383	94.59904176
													GMAPALR	1	1	1xTMT6plex [N-Term]	-	-	0.308	1.397735953	0	944.5548878	2	472.781311	0.484556608	42.50351023
													QFQADFTSLSDQEPLHVAQALQK	7	1	2xTMT6plex [N-Term; K23]	0.207	0.241	0.25	2.211935043	0	3059.62022	5	612.7297363	-0.210686075	90.71849795
													IEVNESGTVASSSTAVIVSAR	1	1	1xTMT6plex [N-Term]	-	0.306	-	0.69334662	0	2306.240085	3	769.4190674	1.111934726	72.64998735
211904156	SERPINE2	glia-derived nexin isoform c precursor	34.96332518	10	23	10	409	45.238	9.22	0.558	0.602	0.792														
													SENLHVSHILQK	2	1	2xTMT6plex [N-Term; K12]	0.649	0.625	-	1.461869478	0	1863.085252	4	466.5274963	1.558383633	47.98246908
													NVNFEDPASACDSINAWVK	1	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl [C11]	-	0.726	-	0.842904031	0	2595.291358	3	865.7685547	-0.095229192	89.72913037
													DMIDNLLSPDLIDGVLTR	4	1	1xTMT6plex [N-Term]	0.532	0.576	-	3.169969082	0	2229.1998	3	743.7374878	-0.847654433	103.237972
													DMIDNLLSPDLIDGVLTR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M2]	0.508	0.505	0.387	1.707482696	0	2245.194715	3	749.069458	-0.398159926	99.62821742
													DIVTVANAVFVK	3	1	2xTMT6plex [N-Term; K12]	0.469	0.473	0.496	1.67187655	0	1734.056578	3	578.6914063	1.780633942	92.80640611
													TIDSWMSIMVPK	3	1	2xTMT6plex [N-Term; K12]	0.63	1.317	1.894	1.451943994	0	1866.026934	3	622.6808472	0.565026092	97.9063425
													IEVSEDGTK	2	1	2xTMT6plex [N-Term; K9]	0.441	0.421	-	1.843865037	0	1435.804445	2	718.4053955	-0.648475757	48.30652064
													FTAVAQTDLK	2	1	2xTMT6plex [N-Term; K10]	0.567	0.505	-	1.766949654	0	1551.914665	2	776.4596558	-1.694511059	66.85559542
													RTFVAADGK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.556	1.648373842	1	1422.84692	3	474.9541016	0.584692203	38.53110195
													SYQVPMLAQLSVFR	1	1	1xTMT6plex [N-Term]	-	-	0.68	1.760522962	0	1868.030156	3	623.3486328	0.636647913	97.12056078
													SRPHDNIVISPHGIASVLGMLQLGADGR	1	1	1xTMT6plex [N-Term]	-	-	0.981	1.197979331	0	3139.6996	5	628.7456665	-0.119237671	91.84318477
32454741	SERPINH1	serpin H1 precursor	23.20574163	7	22	7	418	46.411	8.69	0.34	0.295	0.423														
													HLAGLGLTEAIDK	3	1	2xTMT6plex [N-Term; K13]	0.408	0.316	0.521	1.366396546	0	1796.068205	3	599.3616333	1.192389208	68.42712859
													TGLYNYYDDEK	2	1	2xTMT6plex [N-Term; K11]	0.411	0.353	-	0.853446245	0	1838.921266	3	613.6445923	-1.110642728	59.03913219
													LYGPSSVSFADDFVR	2	1	1xTMT6plex [N-Term]	0.663	0.891	-	0.860977352	0	1888.964244	2	944.9870605	1.376486483	89.73898748
													DQAVENILVSPVVVASSLGLVSLGGK	6	1	2xTMT6plex [N-Term; K26]	0.256	0.099	0.453	1.969899774	0	3009.760008	3	1003.925415	0.55957192	108.4695379
													QHYNCEHSK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl [C5]	0.2	0.201	-	1.686205745	0	1660.826595	4	415.9623108	0.492708911	19.50100575
													LQIVEMPLAHK	3	1	2xTMT6plex [N-Term; K11]	0.303	0.293	0.308	1.191377163	0	1737.049718	3	579.6873169	-1.336102462	78.97330606
													LQIVEMPLAHK	2	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M6]	-	0.43	0.472	1.30925715	0	1753.044633	3	585.0194702	-0.442610219	67.6685511
													DTQSGSLLFIGR	2	1	1xTMT6plex [N-Term]	-	0.652	0.654	1.502646923	0	1522.842673	2	761.9265747	2.101329389	70.93035653
170295807	SERPINI1	neuroserpin precursor	2.43902439	1	2	1	410	46.397	4.91	0.316	0.471	-														
													ALGITEIFIK	2	1	2xTMT6plex [N-Term; K10]	0.316	0.471	-	1.755069852	0	1562.992187	2	781.9983521	-1.765350116	96.45148429
188528641	SESTD1	SEC14 domain and spectrin repeat-containing protein 1	1.149425287	1	1	1	696	79.298	5.1	0.891	-	-														
													LAFLSGGK	1	1	2xTMT6plex [N-Term; K8]	0.891	-	-	1.561774492	0	1250.787279	2	625.8982544	1.561175985	60.7018609
170763498	SET	protein SET isoform 2	31.76895307	7	28	7	277	32.084	4.22	1.2	1.186	1.239														
													ELNSNHDGADETSEK	9	1	2xTMT6plex [N-Term; K15]	1.08	1.118	1.352	2.089153051	0	2104.019476	3	702.0124512	1.579845464	31.06402012
													LNEQASEEILK	1	1	2xTMT6plex [N-Term; K11]	-	1.051	-	2.050794601	0	1731.989286	2	866.4989624	0.786485632	65.5062395
													RSELIAK	1	1	2xTMT6plex [N-Term; K7]	1.244	-	-	1.435583949	1	1274.819642	3	425.6115723	0.408965204	37.27102401
													EFHLNESGDPSSK	4	1	2xTMT6plex [N-Term; K13]	1.26	1.29	-	1.606840968	0	1904.975427	3	635.6627197	-0.955834016	47.2966701
													EQQEAIEHIDEVQNEIDR	2	1	1xTMT6plex [N-Term]	1.254	0.956	-	2.253925562	0	2424.184026	3	808.7336426	0.968719515	62.38417004
													VEVTEFEDIK	5	1	2xTMT6plex [N-Term; K10]	1.149	1.15	1.168	2.325808048	0	1666.930374	3	556.3141479	-1.489919664	78.71174268
													IDFYFDENPYFENK	6	1	2xTMT6plex [N-Term; K14]	1.182	1.293	1.264	2.157051086	0	2299.132321	2	1150.069336	-0.402749764	95.50371338
210032580	SETD1B	histone-lysine N-methyltransferase SETD1B	0.676027041	1	1	1	1923	208.601	4.96	-	0.768	-														
													YEDEGIGSSYMFR	1	1	1xTMT6plex [N-Term]	-	0.768	-	0.729125917	0	1782.820617	2	891.914978	1.157051174	41.66783071
295842330	SF1	splicing factor 1 isoform 6	10.84695394	5	7	5	673	71.706	9.58	0.839	0.675	0.889														
													AYIVQLQIEDLTRK	2	1	2xTMT6plex [N-Term; K14]	0.821	-	0.823	2.035741568	1	2148.27926	3	716.7637939	-1.131926425	89.50127583
													TVIPGMPTVIPPGLTR	1	1	1xTMT6plex [N-Term]	0.899	-	-	1.041657209	0	1878.108406	2	939.5582275	0.411183999	94.04628955
													VMIPQDEYPEINFVGLLIGPR	2	1	1xTMT6plex [N-Term]	0.58	0.544	-	2.728260994	0	2629.426111	3	877.1465454	-0.391028113	105.1449555
													SITNTTVCTK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl [C8]	-	0.683	-	1.161368966	0	1582.887464	2	791.9465332	-1.057620196	45.30098986
													CGGAGHIASDCK	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl [C1; C11]	-	-	0.902	1.232071042	0	1690.840531	3	564.2852783	0.444122863	29.18934751
5032087	SF3A1	splicing factor 3A subunit 1	5.044136192	3	7	3	793	88.831	5.22	1.087	1.051	1.011														
													AQEPSAAIPK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.923	1.689982653	0	1469.8728	2	735.4398804	-0.214806215	48.20864892
													QPTEEEASSK	3	1	2xTMT6plex [N-Term; K10]	1.288	1.132	1.116	1.97197628	0	1563.826637	2	782.4168091	-0.189187171	29.97223152
													LNGQVLVFTLPLTDQVSVIK	3	1	2xTMT6plex [N-Term; K20]	0.991	0.985	1.06	1.562627196	0	2642.589695	3	881.5352783	0.600384895	103.0494166
21361376	SF3A2	splicing factor 3A subunit 2	3.448275862	2	6	2	464	49.224	9.64	0.759	0.773	0.872														
													TGSGGVASSSESNRDR	2	1	1xTMT6plex [N-Term]	-	1.218	0.919	1.615048051	1	1795.873197	3	599.295166	-1.254327493	18.89014547
													TGSGGVASSSESNR	4	1	1xTMT6plex [N-Term]	0.759	0.73	0.867	2.29212451	0	1524.745143	3	508.9197388	-0.315096204	30.04259471
54112117	SF3B1	splicing factor 3B subunit 1 isoform 1	1.457055215	1	1	1	1304	145.738	7.09	-	-	0.552														
													GDTPGHATPGHGGATSSAR	1	1	1xTMT6plex [N-Term]	-	-	0.552	2.22272253	0	1962.95793	4	491.4949646	0.050148012	20.84751299
5454052	SFN	14-3-3 protein sigma	56.85483871	12	88	9	248	27.757	4.74	0.958	1.012	0.983														
													SAYQEAMDISK	5	1	2xTMT6plex [N-Term; K11]	1.174	1.152	1.193	1.719314933	0	1700.892943	2	850.9481201	-2.339486234	57.7673539
													SAYQEAMDISK	12	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M7]	0.712	0.738	0.714	1.538520932	0	1716.887858	3	572.9675903	0.209632849	49.81192361
													YLAEVATGDDK	10	1	2xTMT6plex [N-Term; K11]	0.894	0.89	0.913	2.297530413	0	1639.894323	3	547.3030396	0.14779144	60.96808017
													VETELQGVCDTVLGLLDSHLIK	5	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl [C9]	1.111	1.331	1.481	2.376019001	0	2897.605816	3	966.5424194	2.377628711	105.0669067

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													YEDMAAFMK	3	1	2xTMT6plex [N-Term; K9]; 2xOxidation [M4; M8]	1.541	1.566	1.469	2.572927713	0	1595.784973	3	532.6000366	0.365596425	51.55101776
													TTFDEAMADLHTLSEDSYK	5	1	2xTMT6plex [N-Term; K19]	1.037	1.054	1.02	1.787323833	0	2632.285269	3	878.1010132	1.222193058	91.41031627
													TTFDEAMADLHTLSEDSYK	9	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M7]	1.146	1.156	1.2	2.137249947	0	2648.280184	3	883.434082	2.835313195	76.36607769
													DNLTLWTADNAGEEGGEAPQEPQS	4	1	1xTMT6plex [N-Term]	0.976	1.06	0.921	1.603170514	0	2758.264127	3	920.0908813	-2.188317273	78.6801886
													GEELSCEER	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.776	1.212	1.83093071	0	1337.620461	2	669.3135986	-0.403757561	29.18036789
													SNEEGSEEK	16	1	2xTMT6plex [N-Term; K9]	0.987	1.021	1.047	2.687641621	0	1466.737488	3	489.5840759	0.127127863	22.8300577
													YLAEVATGDDKK	3	1	3xTMT6plex [N-Term; K11; K12]	1.201	1.17	1.248	1.715130687	1	1997.152218	3	666.3881836	-1.111817482	56.51445957
													NLLSVAYK	1	7	2xTMT6plex [N-Term; K8]	-	1.188	-	1.075092196	0	1365.850608	3	455.9557495	1.52823826	71.58478445
													DSTLIMQLLR	4	7	1xTMT6plex [N-Term]	1.039	0.894	0.994	2.131600857	0	1418.823852	2	709.9155273	-0.051896858	95.43981712
													DSTLIMQLLR	1	7	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.047	-	-	1.10160768	0	1434.818767	3	478.9444885	0.101494471	90.24588607
													VISSIEQK	14	5	2xTMT6plex [N-Term; K8]	0.734	0.796	0.917	1.822836995	0	1361.840437	3	454.6186218	0.642577861	59.0559677
4826998	SFPQ	splicing factor, proline- and glutamine-rich	14.99292786	7	17	7	707	76.102	9.44	0.602	0.783	0.747														
													QHHPPYHQQHHQGPPPGGPGGR	3	1	1xTMT6plex [N-Term]	0.337	0.348	0.329	1.973534107	0	2632.297983	4	658.8300781	0.189860724	16.01106555
													LFVGNLPADITEDEFK	6	1	2xTMT6plex [N-Term; K16]	0.65	0.703	0.705	1.847829938	0	2266.237121	3	756.0845947	0.931195447	97.20842044
													GREEYEGPNK	1	1	2xTMT6plex [N-Term; K10]	-	0.903	-	1.758014083	1	1636.869505	3	546.2948608	0.320110754	39.30603868
													YGEPGEVFINK	1	1	2xTMT6plex [N-Term; K11]	-	0.872	-	2.007832289	0	1710.946693	2	855.9777832	0.933282291	69.37309231
													NLSPYVSNELLEEAFSQFGPIER	1	1	1xTMT6plex [N-Term]	0.541	-	-	0.784954727	0	2868.461704	3	956.8231201	-2.404532167	102.137903
													FGQGGAGPVGGQGPR	2	1	1xTMT6plex [N-Term]	-	0.811	0.817	1.327557087	0	1570.828754	2	785.9180908	0.096089803	47.32833462
													QGPGPGGPK	3	1	2xTMT6plex [N-Term; K9]	-	0.789	0.838	1.898799419	0	1252.741392	2	626.8748169	0.770533383	30.62978482
4506921	SGTA	small glutamine-rich tetratricopeptide repeat-containing protein alpha	6.389776358	2	3	2	313	34.042	4.87	-	1.42	1.468														
													TPSASNDDQQE	1	1	1xTMT6plex [N-Term]	-	1.1	-	0.796231627	0	1420.638947	2	710.8227539	-0.503961616	34.46962438
													HVEAVAYYK	2	1	2xTMT6plex [N-Term; K9]	-	1.461	1.468	1.683112979	0	1537.877885	3	513.2971191	-0.702973972	48.74084357
4506925	SH3BGRL	SH3 domain-binding glutamic acid-rich-like protein	42.10526316	5	7	5	114	12.766	5.25	0.792	0.948	0.916														
													EAEVQAK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.916	1.672568917	0	1232.725073	2	616.8674927	2.13806113	33.60585966
													IGFEEK	1	1	2xTMT6plex [N-Term; K6]	-	1.832	-	0.923973739	0	1180.697796	2	590.8527222	0.315022133	53.24375244
													VYIASSSGSTAIK	2	1	2xTMT6plex [N-Term; K13]	0.762	0.646	-	1.659825444	0	1742.010021	2	871.5081177	-0.610058739	59.82303137
													QQDVLGFLEANK	2	1	2xTMT6plex [N-Term; K12]	0.796	0.865	-	1.17319119	0	1820.03182	3	607.3486328	-0.260617696	89.98013467
													DIAANEENRK	1	1	2xTMT6plex [N-Term; K10]	-	1.05	-	1.290691853	1	1617.896054	3	539.9703979	0.362333325	30.69754681
13775198	SH3BGRL3	SH3 domain-binding glutamic acid-rich-like protein 3	27.95698925	3	6	3	93	10.431	4.93	1.119	0.966	1.055														
													VYSTSVTGSR	3	1	1xTMT6plex [N-Term]	-	0.966	1.088	1.229480624	0	1285.694946	2	643.3496704	-2.241456806	35.97262784
													RIQYQLVDISQDNALR	1	1	1xTMT6plex [N-Term]	-	-	0.963	1.971211553	1	2161.192681	3	721.0698242	1.03573655	66.7126034
													IQYQLVDISQDNALR	2	1	1xTMT6plex [N-Term]	1.119	-	1.152	1.462247252	0	2005.09157	2	1003.046448	-2.968010178	78.98327436
13994242	SH3KBP1	SH3 domain-containing kinase-binding protein 1 isoform a	8.120300752	4	8	4	665	73.082	6.62	1.492	1.198	1.72														
													KPPPPSAPVIK	1	1	3xTMT6plex [N-Term; K1; K11]	-	0.852	-	1.031914473	0	1818.182002	3	606.7325439	0.592028706	58.01811877
													VIFPYEAQNDDELTIK	3	1	2xTMT6plex [N-Term; K16]	1.69	1.693	1.72	1.908430219	0	2353.269149	3	785.0945435	-0.030531529	92.03285109
													KLPATTATPDSSK	1	1	3xTMT6plex [N-Term; K1; K13]	-	1.395	-	1.435433269	1	2004.194417	3	668.736084	-0.358471648	47.75424778
													IDLAGSSLSGILDK	3	1	2xTMT6plex [N-Term; K14]	1.396	1.486	-	1.457340598	0	1847.089	3	616.3662109	-2.663882195	94.20866275
7382460	SHBG	sex hormone-binding globulin isoform 1 precursor	7.711442786	2	6	2	402	43.752	6.71	0.755	0.74	0.87														
													WHQVEVK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.889	1.313961387	0	1383.814891	3	461.9428711	-0.600606884	45.18261029
													VVLSSGSGPGLDLPLVLGLPLQLK	5	1	2xTMT6plex [N-Term; K24]	0.755	0.74	0.725	1.637929797	0	2830.742173	3	944.2530518	0.85810833	108.4260241
19923315	SHMT2	serine hydroxymethyltransferase, mitochondrial isoform 1	5.952380952	3	6	3	504	55.958	8.53	1.41	1.42	1.521														
													HADIVTTTTHK	3	1	2xTMT6plex [N-Term; K11]	-	1.406	1.521	1.66849649	0	1681.96374	3	561.3258057	-0.52098496	36.95729546
													YSEGYPGK	1	1	2xTMT6plex [N-Term; K8]	1.41	-	-	0.68860507	0	1358.735638	2	679.8704224	-1.523212743	43.58773062
													VLELVSITANK	2	1	2xTMT6plex [N-Term; K11]	-	1.45	-	1.236039519	0	1645.030029	2	823.0189209	0.326125886	93.17172032
24850115	SIAE	sialate O-acetylesterase isoform 1 precursor	2.868068834	1	1	1	523	58.277	7.33	-	0.493	-														
													FFPFGLVQLSSDLSK	1	1	2xTMT6plex [N-Term; K15]	-	0.493	-	1.691233993	0	2143.220348	3	715.0777588	-0.758369439	104.9706786
83641896	SIL1	nucleotide exchange factor SIL1 precursor	5.639913232	2	9	2	461	52.052	5.36	0.296	0.319	0.324														
													LLVILATEQPLTAK	3	1	2xTMT6plex [N-Term; K14]	0.277	-	0.343	1.94128406	0	1968.25092	3	656.7553101	0.231965232	99.98024535
													VVTLLYDLVTEK	6	1	2xTMT6plex [N-Term; K12]	0.314	0.319	0.302	1.570186138	0	1851.124323	2	926.0654907	-0.333896908	106.0221131
91105764	SIRPA	tyrosine-protein phosphatase non-receptor type substrate 1 precursor	7.142857143	3	5	3	504	54.933	6.98	0.743	0.742	1.053														
													CTATSLIPVGPIQWFR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.514	-	1.487721801	0	2075.130933	3	692.3830566	1.775243102	99.09677515
													TETASTVTENK	2	1	2xTMT6plex [N-Term; K11]	-	0.986	1.053	1.27327168	0	1638.895051	2	819.9520264	1.052443458	37.12200291
													GSPDDVEFK	2	1	2xTMT6plex [N-Term; K9]	0.743	0.785	-	1.589651346	0	1451.778231	2	726.3920288	-0.998611759	52.65277815
25777713	SKP1	S-phase kinase-associated protein 1 isoform b	45.39877301	6	12	6	163	18.646	4.54	1.156	1.209	1.169														
													NDFTEEEEAQVR	2	1	1xTMT6plex [N-Term]	1.433	1.534	-	1.893797398	0	1695.802324	2	848.4052124	0.48603229	45.87370601
													VIQWCTHHK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.199	-	-	0.80234623	0	1666.925187	4	417.4868774	0.2957575	43.83028091
													VDQGTLFELILAANYLDIK	3	1	2xTMT6plex [N-Term; K19]	0.989	1.062	0.907	1.57446146	0	2594.484561	3	865.4987183	-1.140821914	110.9384037
													DDPPPPEDDENK	3	1	2xTMT6plex [N-Term; K12]	1.133	1.182	1.205	2.218996286	0	1825.885609	3	609.3008423	1.295210093	35.20938131
													GLLDVTCK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.073	-	-	1.48181808	0	1363.801943	2	682.4036865	-1.354348506	65.42944654
													RTDDIPVWDQEFLK	2	1	2xTMT6plex [N-Term; K14]	-	-	1.154	2.025852919	1	2220.206489	3	740.7405396	0.25950845	85.28150162
262073007	SLC16A1	monocarboxylate transporter 1	1.6	1	2	1	500	53.909	8.66	-	0.461	0.449														
													AAESPDQK	2	1	2xTMT6plex [N-Term; K8]	-	0.461	0.449	1.312166333	0	1303.725801	2	652.3677368	1.837574136	28.82479434
166795299	SLC2A1	solute carrier family 2, facilitated glucose transporter member 1	1.829268293	1	1	1	492	54.049	8.72	-	-	1.206														
													QGGASQSDK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.206	1.156063437	0	1335.726864	2	668.3672485	0.266918576	25.01328892
61744477	SLC3A2	4F2 cell-surface antigen heavy chain isoform b	9.191759113	5	11	5	631	68.059	5.05	0.339	0.38	0.331														
													GLVLGPIHK	2	1	2xTMT6plex [N-Term; K9]	0.333	0.314	-	1.111828089	0	1391.913877	3	464.6432495	0.947160006	59.84947951
													EVELNELEPEK	3	1	2xTMT6plex [N-Term; K11]	0.501	0.496	0.279	1.551232934	0	1786.983866	2	893.994873	-0.78162779	68.04606792
													LEPHEGLLLR	2	1	1xTMT6plex [N-Term]	0.313	-	0.3	0.953779399	0	1405.836465	3	469.2843628	1.472304182	60.75386817
													DDVAQTDLLQIDPNFGSK	3	1	2xTMT6plex [N-Term; K18]	0.359	0.416	0.526	1.533818007	0	2434.28659	3	812.100769	0.478176609	90.70362393
													VILDLTPNYR	1	1	1xTMT6plex [N-Term]	-	0.437	-	0.67885083	0	1432.836131	2	716.9197388	-2.742826519	81.01379044
71979932	SLC7A5	large neutral amino acids transporter small subunit 1	1.972386588	1	6	1	507	54.974	7.72	0.106	0.126	0.14														
													ALAAPAAEEK	6	1	2xTMT6plex [N-Term; K10]	0.106	0.126	0.14	2.064443111	0	1428.846251	3	476.9532471	-0.74382325	55.2820685

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
4507065	SLPI	antileukoproteinase precursor	9.848484848	1	2	1	132	14.316	8.75	3.743	-	3.035														
													KPECQSDWQCPGK	2	1	3xTMT6plex [N-Term; K1; K13]; 2xCarbamidomethyl	3.743	-	3.035	1.638576746	0	2307.182884	3	769.7315674	-1.185264325	46.33216797
21264341	SMS	spermine synthase isoform 1	28.68852459	8	19	8	366	41.242	5.02	1.277	1.311	1.395														
													EEIDSILNK	4	1	2xTMT6plex [N-Term; K9]	1.428	1.414	1.286	1.396786571	0	1518.877945	3	506.9645081	0.675610523	72.3202203
													RLPPIVR	2	1	1xTMT6plex [N-Term]	-	1.705	1.626	1.619653106	1	1079.725065	3	360.5797119	-0.446482006	45.17859916
													TCGDVLDNLK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.176	-	-	0.793513834	0	1592.871814	2	796.9399414	0.497449006	66.00195128
													DVLILGGGDGGILCEIVK	6	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.594	0.946	1.601	2.349594355	0	2286.314325	3	762.7759399	-0.46311033	99.87899929
													YFTQGNCVNLTEALSLYEEQLGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.994	-	1.874375105	0	2934.450488	3	978.8212891	-0.400123466	98.83914538
													LYCPVEFSK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.079	-	-	1.491010427	0	1600.880922	2	800.9423828	-2.14445369	73.32913092
													LVEYDIDEVVYDEDSPYQNIK	2	1	2xTMT6plex [N-Term; K21]	1.159	1.369	-	1.864821553	0	3004.507935	3	1002.171936	-2.223333962	94.11128458
													LILDLSMK	1	1	2xTMT6plex [N-Term; K8]	-	1.145	-	0.705702066	0	1390.87438	2	695.94104	0.304562462	94.28639351
4507109	SNCA	alpha-synuclein isoform NACP140	36.42857143	4	7	4	140	14.451	4.7	0.612	0.622	0.822														
													EGVVAAAEK	3	1	2xTMT6plex [N-Term; K9]	0.612	0.644	0.715	1.518017888	0	1331.793487	2	666.4003296	-0.078390767	46.5305782
													EQVTNVGGAVVTGVTAVAQK	2	1	2xTMT6plex [N-Term; K20]	-	0.599	0.585	1.524482369	0	2386.370594	3	796.130188	2.269729126	84.20674179
													QGVAEAAGK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.917	0.6609658	0	1288.762521	2	644.8847046	-0.301568603	35.27877148
													EGVVHGVATVAEK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.884	1.118736625	0	1754.021255	3	585.3448486	-0.719610186	49.68092009
77404397	SND1	staphylococcal nuclease domain-containing protein 1	10.65934066	8	15	8	910	101.934	7.17	1.013	0.908	1.058														
													VADISGDTQK	2	1	2xTMT6plex [N-Term; K10]	1.027	0.825	-	1.369162321	0	1491.841894	2	746.4264526	2.503652333	47.14331521
													SSHYDELLAAEAR	3	1	1xTMT6plex [N-Term]	1.062	1.087	1.067	1.934100032	0	1690.859779	3	564.2913208	-0.21892274	48.71670843
													AAATQPDAK	2	1	2xTMT6plex [N-Term; K9]	0.924	0.921	-	1.789487362	0	1330.773086	2	665.8903198	0.208268743	29.91103932
													ETCLITFLLAGIECPR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.175	1.023	-	1.902009606	0	2122.123799	3	708.0458984	-0.309457676	104.8608618
													LEGENTQDK	1	1	2xTMT6plex [N-Term; K9]	-	0.57	-	1.217674017	0	1491.805508	2	746.4058838	-0.681805952	36.65110374
													LSECEEQAK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.068	1.358	2.014170885	0	1551.808879	2	776.4083252	0.318699443	40.9984565
													NLPGLVQEGEPFSEEATLFTK	1	1	2xTMT6plex [N-Term; K21]	-	-	0.668	1.327508807	0	2764.480932	3	922.1652222	0.065406096	96.76541293
													SLLSAEEAAK	2	1	2xTMT6plex [N-Term; K10]	-	1.004	1.106	1.720584154	0	1476.86738	2	738.9370728	-0.346139534	59.2184941
4759156	SNRPA	U1 small nuclear ribonucleoprotein A	8.865248227	3	5	3	282	31.259	9.83	0.707	0.622	0.554														
													SQETPATK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.418	2.43362093	0	1319.757101	2	660.3831177	1.407298025	29.06098324
													EVSSATNALR	3	1	1xTMT6plex [N-Term]	0.707	0.622	0.712	1.033929944	0	1276.705845	2	638.8564453	-0.180977475	37.51353735
													DALQGFK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.691	1.193627477	0	1236.735244	2	618.8710327	-0.367969066	55.54091526
5902102	SNRPD1	small nuclear ribonucleoprotein Sm D1 isoform 1	16.80672269	1	2	1	119	13.273	11.56	0.687	0.856	-														
													YFILPDSLPLDTLLVDVEPK	2	1	2xTMT6plex [N-Term; K20]	0.687	0.856	-	1.397278666	0	2745.573042	3	915.8619385	-0.648240016	108.9847842
4759158	SNRPD2	small nuclear ribonucleoprotein Sm D2 isoform 1	16.10169492	2	2	2	118	13.518	9.91	0.664	-	-														
													NNTQVLINCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.639	-	-	0.73567301	0	1460.784112	2	730.8955688	-0.172068333	42.4861564
													GDSVIVVLR	1	1	1xTMT6plex [N-Term]	0.81	-	-	1.72322607	0	1186.735689	2	593.8709106	-0.964031796	65.69254881
521258690	SNRPD3	small nuclear ribonucleoprotein Sm D3	15.07936508	2	9	2	126	13.907	10.32	0.959	0.749	0.656														
													FLILPDMLK	5	1	2xTMT6plex [N-Term; K9]	0.716	0.648	0.656	1.708776116	0	1547.963529	3	516.6587524	-1.179036681	101.6148912
													FLILPDMLK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M7]	1.081	1.043	-	1.016434193	0	1563.958444	2	782.482605	-0.32663212	96.00874426
													VAQLEQVYIR	2	1	1xTMT6plex [N-Term]	-	0.72	0.651	1.497923613	0	1447.84703	2	724.427002	-0.209057824	68.55590181
4507129	SNRPE	small nuclear ribonucleoprotein E isoform 1	13.04347826	1	2	1	92	10.797	9.44	0.719	0.795	-														
													GDNITLLQSVSN	2	1	1xTMT6plex [N-Term]	0.719	0.795	-	0.959834337	0	1489.805953	2	745.4073486	0.98518577	75.05601412
4507131	SNRPF	small nuclear ribonucleoprotein F	15.11627907	1	2	1	86	9.719	4.67	0.969	-	0.903														
													GVEEEEEDGEMRE	2	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	0.969	-	0.903	1.69959712	1	1782.753719	2	891.8788452	-1.854036414	27.92336487
953514543	SNRPG	small nuclear ribonucleoprotein G isoform b	7.291666667	1	1	1	96	10.793	9.88	-	0.589	-														
													HVQGILR	1	1	1xTMT6plex [N-Term]	-	0.589	-	1.109601855	0	1051.657379	3	351.2236328	-0.982965099	32.94603336
371874557	SNX12	sorting nexin-12 isoform 1	5.555555556	1	1	1	162	18.873	8.44	1.329	-	-														
													IVVPPLPGK	1	1	2xTMT6plex [N-Term; K9]	1.329	-	-	0.589079976	0	1377.923379	3	459.9792175	-0.2029446	86.03484841
23111038	SNX2	sorting nexin-2 isoform 1	1.926782274	1	1	1	519	58.435	5.12	0.936	-	-														
													FSDFLGLHSK	1	1	2xTMT6plex [N-Term; K10]	0.936	-	-	1.35851717	0	1608.914999	3	536.9763184	-0.371170556	75.14604985
4507143	SNX3	sorting nexin-3 isoform a	6.790123457	1	2	1	162	18.751	8.66	1.25	-	1.068														
													VAGHPLAQNER	2	1	1xTMT6plex [N-Term]	1.25	-	1.068	1.682260513	0	1420.785827	3	474.266571	-0.469328467	25.99879026
4507145	SNX4	sorting nexin-4	2.444444444	1	1	1	450	51.876	5.99	1.004	-	-														
													ETVNETGFQLK	1	1	2xTMT6plex [N-Term; K11]	1.004	-	-	1.057225347	0	1723.963071	3	575.3260498	0.304463635	76.04966402
88703041	SNX6	sorting nexin-6 isoform b	2.631578947	1	4	1	418	47.774	6.43	1.082	0.875	1.087														
													NLVELAELELK	4	1	2xTMT6plex [N-Term; K11]	1.082	0.875	1.087	2.330908775	0	1729.051158	3	577.0214844	-0.727644751	97.94272699
7706706	SNX9	sorting nexin-9	2.016806723	1	4	1	595	66.55	5.58	0.697	0.672	0.621														
													DSESADAGGAQR	4	1	1xTMT6plex [N-Term]	0.697	0.672	0.621	2.264055729	0	1392.655266	3	464.889801	-0.298791696	18.88932024
4507149	SOD1	superoxide dismutase [Cu-Zn]	60.38961039	9	24	9	154	15.926	6.13	1.324	1.671	1.96														
													TLVVHEK	3	1	2xTMT6plex [N-Term; K7]	1.31	1.351	-	1.312694788	0	1283.808743	3	428.6083679	1.407802973	38.32715546
													HVGDLGNVTADK	7	1	2xTMT6plex [N-Term; K12]	1.636	2.415	2.259	1.711576819	0	1683.943005	3	561.9859619	0.194740669	46.79837359
													GGNEESTK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.24	1.189449191	0	1279.689416	2	640.348999	1.020268558	23.22370936
													DEERHVGDLGNVTADK	1	1	2xTMT6plex [N-Term; K16]	0.721	-	-	1.142293453	1	2213.156244	3	738.3892822	-1.333417069	43.59231498
													LACGVIGIAQ	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.64	1.63	1.538	1.136928558	0	1230.70776	2	615.8579712	0.736188429	80.62594085
													DGVADVSIEDSVISLSGDHCIIGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.407	1.412	1.241939664	0	2743.376989	3	915.1297607	-0.823741486	90.47531632
													GDGPVQGIINFEQK	5	1	2xTMT6plex [N-Term; K14]	1.336	1.401	1.4	2.355094671	0	1960.090397	3	654.0372925	3.53413874	79.86207412
													GGNEESTKTGNAGSR	1	1	2xTMT6plex [N-Term; K8]	-	5.258	-	1.159454584	1	1922.993202	3	641.6690674	-0.287640935	21.69494326
													ESNGPVK	1	1	2xTMT6plex [N-Term; K7]	-	1.657	-	1.188025355	0	1188.698858	2	594.8520508	-1.710633005	29.87864641
67782305	SOD2	superoxide dismutase [Mn], mitochondrial isoform A precursor	9.90990991	2	2	2	222	24.735	8.25	0.402	-	0.56														
													GDVTAQIALQPALK	1	1	2xTMT6plex [N-Term; K14]	-	-	0.56	0.764057279	0	1883.136619	3	628.3828735	-1.35494924	76.86940507
													RDFGSFDK	1	1	2xTMT6plex [N-Term; K8]	0.402	-	-	1.520794153	1	1429.783985	3	477.2661743	-0.010631523	49.22467537
194578923	SPAG9	C-Jun-amino-terminal kinase-interacting protein 4 isoform 1	2.87660863	3	5	3	1321	146.115	5.15	1.661	1.6	1.229														
													EVENLILENTQLLETK	2	1	2xTMT6plex [N-Term; K16]	1.661	1.747	-	1.853505731	0	2344.337563	3	782.1177979	0.544914994	97.4445041
													NVSTGSAENEEK	2	1	2xTMT6plex [N-Term; K12]	-	1.077	1.229	1.206708789	0	1722.891028	2	861.9508057	1.919005944	42.62436248

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													DSILSIVHVK	1	1	2xTMT6plex [N-Term; K10]	-	1.713	-	1.328714848	0	1568.977599	3	523.6634521	-1.144729337	79.78810139
827342587	SPARC	SPARC isoform 3 precursor	40.17595308	12	53	12	341	39.051	5	0.642	0.612	0.656														
													DEDNNLLTEK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.467	1.091201425	0	1648.879401	2	824.9425659	-0.937602872	53.28160236
													VCELDENNTPMCVCQDPTSCPAPIGEFEK	2	1	2xTMT6plex [N-Term; K29]; 1xOxidation [M11];	0.559	-	-	1.310247779	0	3871.735739	3	1291.249268	-0.643020545	78.12130978
													TFDSSCHFFATK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	0.922	0.766	0.722	1.543236852	0	1905.95694	2	953.4819946	-0.119473941	62.19313491
													RLEAGDHPVELLAR	1	1	1xTMT6plex [N-Term]	-	0.688	-	1.373542905	1	1805.023097	3	602.3464355	0.917844557	55.82488653
													LEAGDHPVELLAR	3	1	1xTMT6plex [N-Term]	0.471	0.395	-	0.862251878	0	1648.921986	2	824.9637451	-1.07469343	60.2261231
													FFETCDLDNDK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.882	0.637	-	1.692464948	0	1861.904236	2	931.4556885	-0.072880695	72.9251272
													YIPPCLDSELTEFPLR	13	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.597	0.621	0.647	2.217623234	0	2179.130658	3	727.0478516	-0.760162083	97.02916932
													YIALDEWAGCFGIK	12	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.704	0.719	0.71	3.205283165	0	2101.119255	2	1051.061768	-1.425927511	98.69362495
													NVLVTLYER	2	1	1xTMT6plex [N-Term]	-	0.717	0.556	1.944933295	0	1335.783367	2	668.3966064	1.923321317	71.7121461
													NVLVTLYERDEDNNLLTEK	6	1	2xTMT6plex [N-Term; K19]	0.716	-	0.718	1.921681643	1	2736.481995	3	912.8309937	-1.303620113	88.59831302
													APLIPMEHCTTR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M6];	-	0.606	0.582	1.279207349	0	1670.855563	3	557.6237793	0.731056982	43.87359633
													LHLDYIGPCK	5	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	0.656	0.531	0.641	2.093423128	0	1673.944919	2	837.4754639	-0.757561142	66.09492382
162417971	SPCS2	signal peptidase complex subunit 2	9.734513274	1	1	1	226	24.987	8.47	-	-	1.011														
													SGGSGGCSGAGGASNCGTGSGR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	1.011	1.707380056	0	2086.882793	3	696.2991333	0.025661405	18.2537071
32313599	SPINT1	kunitz-type protease inhibitor 1 isoform 1 precursor	17.39130435	9	15	9	529	58.36	6.29	0.799	0.769	0.862														
													NNFEEEQQCLESCR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.953	-	-	0.950030625	0	2071.901069	2	1036.452759	-1.36494542	48.12843008
													TQGFGGSGIPK	2	1	2xTMT6plex [N-Term; K11]	-	0.919	0.854	1.610072255	0	1506.868049	2	753.9373779	-0.377996352	52.68904886
													QTEDYCLASNK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.805	0.868	0.889	1.170249224	0	1786.90457	2	893.9559937	0.078507095	47.04990066
													YTSGFDELQR	1	1	1xTMT6plex [N-Term]	0.742	-	-	0.907590389	0	1444.726974	2	722.8673706	0.339310435	53.61204701
													VQPQEPLVLK	4	1	2xTMT6plex [N-Term; K10]	0.79	0.843	-	1.533934593	0	1609.008899	2	805.0079956	-0.114840299	69.21558996
													DVENTDWR	1	1	1xTMT6plex [N-Term]	0.798	-	-	1.081506014	0	1263.616696	2	632.3113403	-1.022213415	40.42799775
													DPNQVELWGLK	1	1	2xTMT6plex [N-Term; K11]	0.898	-	-	1.198287845	0	1756.999791	2	879.0026855	-0.965678117	82.37542381
													IHFPSDK	1	1	2xTMT6plex [N-Term; K7]	-	0.638	-	0.955096602	0	1301.761793	3	434.5914612	-1.507714459	52.0000241
													FTYGGCYGNK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	0.983	-	1.110666513	0	1624.819384	2	812.9122314	-1.352833057	54.86584737
4759164	SPOCK1	testican-1 precursor	3.644646925	1	1	1	439	49.092	6.1	1.718	-	-														
													ATQCHGSTGQCWCVDK	1	1	2xTMT6plex [N-Term; K16]; 3xCarbamidomethyl	1.718	-	-	1.420484662	0	2353.088776	3	785.0340576	-0.4915745	42.63696061
194595509	SPTAN1	spectrin alpha chain, non-erythrocytic 1 isoform 1	35.36536132	72	134	72	2477	284.919	5.35	0.98	0.987	0.968														
													EAGSVSLR	1	1	1xTMT6plex [N-Term]	1.29	-	-	1.434063077	0	1047.599589	2	524.3034668	0.064684781	32.32327012
													QVEELYHSLLELGEK	2	1	2xTMT6plex [N-Term; K15]	0.968	-	1.001	1.325701952	0	2245.24802	3	749.0846558	-3.832812575	94.96182359
													SLSAQEEK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.983	1.245667934	0	1349.767666	2	675.3867798	-1.02473168	35.85973734
													QQVAPTDDETGK	2	1	2xTMT6plex [N-Term; K12]	0.878	-	0.923	1.457288265	0	1746.927414	2	873.9664307	-1.047142463	36.24049133
													GEIDAHEDSFK	2	1	2xTMT6plex [N-Term; K11]	-	1.31	1.309	0.990593255	0	1705.879736	3	569.2990112	1.609059155	44.73233834
													AINVQEEK	1	1	2xTMT6plex [N-Term; K8]	-	0.953	-	0.975636542	0	1388.814951	2	694.9127808	2.400790282	45.60129202
													GLVSSDELAK	1	1	2xTMT6plex [N-Term; K10]	1.003	-	-	1.175827026	0	1476.86738	2	738.9372559	-0.098174861	57.52491242
													GNAMVEEGHFAAEDVK	2	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M4]	-	1.034	-	1.603836656	0	2178.090139	3	726.7008667	-0.960654615	46.8165559
													EAFLNTEDK	2	1	2xTMT6plex [N-Term; K9]	0.91	0.886	-	1.426786304	0	1524.830995	2	762.9196167	0.631026285	54.37668763
													VLETAEDIQER	1	1	1xTMT6plex [N-Term]	-	0.859	-	1.227976084	0	1531.816518	2	766.4123535	0.595920751	54.73327283
													DEDSAEALLK	2	1	2xTMT6plex [N-Term; K10]	1.124	-	1.137	1.358218789	0	1548.852124	2	774.9289551	-0.962231143	59.30861488
													EANELQQWINEK	2	1	2xTMT6plex [N-Term; K12]	0.846	-	-	1.978783607	0	1960.054011	3	654.0199585	-4.43314402	80.20802483
													ITALDEFATK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.004	0.898801029	0	1566.91433	2	783.9603271	-0.60794206	84.86010281
													GDSLDSVEALIK	4	1	2xTMT6plex [N-Term; K12]	0.979	-	0.901	2.034081459	0	1704.978387	3	568.9981689	0.918847975	89.21028437
													EAALTSEEVGADLEQVEVLQK	1	1	2xTMT6plex [N-Term; K21]	-	0.897	-	1.2989676	0	2716.465676	3	906.1605225	0.49251232	91.28622226
													ELVLALYDYQEK	3	1	2xTMT6plex [N-Term; K12]	0.98	1.025	1.034	1.404592156	0	1942.093751	3	648.0333252	-4.288507729	92.7282169
													DLNSQADSLMTSSAFDTSQVK	1	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M10]	1.02	-	-	1.964525223	0	2719.349661	3	907.1205444	-0.948961899	67.15138945
													LIQEQHPEEELIK	3	1	2xTMT6plex [N-Term; K13]	1.134	1.204	3.066	1.476882696	0	2064.174127	3	688.7304077	1.232151154	62.6459441
													LAALADQWQFLVQK	5	1	2xTMT6plex [N-Term; K14]	0.701	0.766	0.735	1.424883008	0	2089.221017	3	697.0787964	0.39186862	100.5319528
													IAALQAFADQLIAAGHYAK	4	1	2xTMT6plex [N-Term; K19]	0.666	0.688	0.726	3.169606447	0	2430.390936	3	810.8019409	0.137263475	101.7998207
													QDEVNAAWQR	2	1	1xTMT6plex [N-Term]	0.998	-	1.037	1.898914456	0	1445.733457	2	723.3701782	-0.2607152	42.87924519
													EPIVGSTDYGK	1	1	2xTMT6plex [N-Term; K11]	0.966	-	-	1.249060512	0	1623.899408	2	812.4536133	0.333458155	53.0656868
													LAQFVEHWK	1	1	2xTMT6plex [N-Term; K9]	0.926	-	-	1.45209682	0	1615.936069	3	539.3167725	-0.188563888	78.3774812
													KGDILTLLNSTNK	1	1	3xTMT6plex [N-Term; K1; K13]	1.094	-	-	1.222245216	1	2104.294466	3	702.1022949	-1.014113951	82.58984427
													AALLELWELRR	1	1	1xTMT6plex [N-Term]	0.938	-	-	1.316683054	1	1598.957977	3	533.6582642	1.414590315	90.92079128
													QEAFLLNEDLGDSLDSVEALLK	2	1	2xTMT6plex [N-Term; K22]	1.017	-	-	1.235770583	0	2877.54974	4	720.1422729	-0.861237285	104.3408868
													NNHHEENISSK	1	1	2xTMT6plex [N-Term; K11]	-	1.226	-	1.361006498	0	1766.918581	3	589.6444702	0.156614195	31.34420559
													LQTASDESYK	3	1	2xTMT6plex [N-Term; K10]	1.007	1.074	0.983	2.180494547	0	1599.863023	2	800.4335327	-2.021492007	53.76695233
													LSDDNTIGK	4	1	2xTMT6plex [N-Term; K9]	0.981	0.948	0.97	1.65171349	0	1420.80478	2	710.9063721	0.484000782	56.0783086
													SLQQLAEER	1	1	1xTMT6plex [N-Term]	-	-	0.838	0.851451397	0	1302.721495	2	651.8651733	1.208961158	50.02552309
													DLTNVQNLQK	2	1	2xTMT6plex [N-Term; K10]	1.2	1.279	-	1.388385653	0	1630.952841	2	815.9804077	0.427860126	62.93140143
													DVDETISWIK	2	1	2xTMT6plex [N-Term; K10]	1.142	1.168	-	1.722504377	0	1663.930709	3	555.3150024	-0.152942535	84.79479961
													NQALNTDNYGHDLASVQALQR	1	1	1xTMT6plex [N-Term]	0.995	-	-	1.189288497	0	2557.295642	3	853.1027832	-0.721817452	60.64840144
													DLSSVQTLLTK	2	1	2xTMT6plex [N-Term; K11]	0.966	-	0.954	1.336130023	0	1663.004208	3	555.0066528	0.720031909	86.35661079
													DLIGVQNLLK	3	1	2xTMT6plex [N-Term; K10]	0.829	0.859	1.047	1.327574134	0	1570.993249	2	786.0021973	2.462519334	90.08346373
													QWELLLEK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.17	1.242985368	0	1516.913936	2	758.9603882	-0.287862615	90.95837526
													AALLELWELR	3	1	1xTMT6plex [N-Term]	1.099	1.199	1.103	1.929009676	0	1442.856866	2	721.9319458	-0.174250436	99.34912325
													QQNFNTGIK	1	1	2xTMT6plex [N-Term; K9]	-	1.164	-	2.324369669	0	1507.863298	2	754.4363403	1.396840195	47.60172721
													SADESGQALLAAGHYASDEVR	1	1	1xTMT6plex [N-Term]	-	-	1.393	0.89796406	0	2376.162897	3	792.7254028	-0.522507909	60.02260607
													LGESQTLQQFSR	1	1	1xTMT6plex [N-Term]	0.969	-	-	0.850086272	0	1622.86995	2	811.9361572	-3.026913447	58.39409651
													REELITNWEQIR	2	1	1xTMT6plex [N-Term]	1.194	-	0.959	1.707919955	1	1815.991462	3	606.0012207	-1.295881987	65.32797564
													LDENSAFLQFNWK	1	1	2xTMT6plex [N-Term; K13]	1.13	-	-	2.013006687	0	2070.106047	3	690.7077637	1.299810524	94.57536217
													DVDEIEAWISEK	3	1	2xTMT6plex [N-Term; K12]	1.026	1.054	1.03	2.119721651	0	1892.00533	3	631.3378296	-3.379694744	95.0233914

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													QETFDAGLQAFQQEGIANITALK	5	1	2xTMT6plex [N-Term; K23]	1.021	0.933	0.906	2.368091345	0	2951.587857	4	738.6513062	-1.511830527	97.7943134
													ASAFNSWFENAEEDLTDPVR	1	1	1xTMT6plex [N-Term]	0.959	-	-	2.16283989	0	2527.193863	3	843.0690918	-0.451259158	97.65572641
													ALINADELASDVAGAEALLDR	4	1	1xTMT6plex [N-Term]	0.845	0.949	0.923	2.475493431	0	2356.255735	3	786.0894165	-0.865062417	101.0668797
													DPTNLQGK	2	1	2xTMT6plex [N-Term; K8]	-	1.073	1.115	2.29718399	0	1330.773086	2	665.8909302	1.125557451	40.71496703
													ALCAEADR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.963	-	2.294211864	0	1134.577474	2	567.7921143	-0.460042956	31.52179263
													NTTGVTEEALK	4	1	2xTMT6plex [N-Term; K11]	1.033	1.019	1.029	2.266629696	0	1620.920872	2	810.9628296	-1.535898732	50.95194018
													LIDVNHYAK	3	1	2xTMT6plex [N-Term; K9]	1.086	1.092	1.079	1.710983396	0	1530.904434	3	510.9728699	-0.246900362	55.58607794
													LQIASDENYK	2	1	2xTMT6plex [N-Term; K10]	1.105	-	1.06	2.036835194	0	1638.910307	3	546.9748535	-0.183154089	57.46717274
													DLASVNNLLK	3	1	2xTMT6plex [N-Term; K10]	0.938	0.927	0.821	1.693277001	0	1544.941214	2	772.9752197	1.261603424	80.24814207
													DLASVQALLR	2	1	1xTMT6plex [N-Term]	0.971	-	0.99	1.925063252	0	1314.794266	2	657.9017334	1.463359648	84.5710297
													DRVNDVCTNGQDLIK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.019	-	-	1.711148262	1	2205.169786	3	735.7282715	0.215304567	51.77973236
													QGFVPAAYVK	1	1	2xTMT6plex [N-Term; K10]	0.963	-	-	0.917160153	0	1537.914271	2	769.4585571	-2.88256782	66.61362388
													ADVVESWIGEK	2	1	2xTMT6plex [N-Term; K11]	0.967	-	-	1.369598627	0	1690.941608	2	845.9816895	8.57196735	83.19981727
													MTLVASEDYGDTLAAIQGLLK	2	1	2xTMT6plex [N-Term; K21]	0.899	0.893	-	1.772621274	0	2667.467925	3	889.8272705	-0.249936112	103.4739716
													LIQSHPESAEDLQEK	2	1	2xTMT6plex [N-Term; K15]	-	1.104	1.094	1.314212561	0	2182.175583	3	728.0630493	-0.452887838	51.1549013
													EELYQNLTR	1	1	1xTMT6plex [N-Term]	-	0.831	-	0.915581942	0	1394.74771	2	697.8781128	0.888422995	52.85189798
													EPIAASTNR	1	1	1xTMT6plex [N-Term]	-	0.921	-	1.15453136	0	1187.658167	2	594.3318481	-1.470945922	40.19411034
													DLTGVQNLR	1	1	1xTMT6plex [N-Term]	-	1.02	-	0.781862676	0	1244.716016	2	622.8624878	1.352200756	56.8146036
													EAIVTSEELGQDLEHVEVLQK	2	1	2xTMT6plex [N-Term; K21]	-	1.113	-	1.665397644	0	2824.534424	4	706.8891602	0.136753511	91.81404498
													KVEDLFLTFAK	2	1	3xTMT6plex [N-Term; K1; K11]	-	0.42	0.42	1.878344655	1	1998.224261	3	666.7459106	-0.541544024	94.28802569
													EANQQQQFNR	2	1	1xTMT6plex [N-Term]	-	0.948	0.839	1.443420053	0	1491.750169	2	746.3789673	0.327494726	28.32621105
													GACAGSEDAVK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	1.082	1.07	1.873678446	0	1522.793564	2	761.9001465	-0.359320701	36.72146199
													LTVLSEER	1	1	1xTMT6plex [N-Term]	-	0.987	-	1.442630291	0	1175.683319	2	588.3449097	-0.66008767	57.93450954
													LGDSHDLQR	1	1	1xTMT6plex [N-Term]	-	-	0.985	0.427749246	0	1269.674879	3	423.8964844	0.01619706	32.71238688
													MNEVISLWK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.975	2.124768972	0	1577.912556	2	789.4594727	-0.562456707	92.76148852
													DVEDEETWIR	1	1	1xTMT6plex [N-Term]	-	-	1.88	1.954167008	0	1520.743018	2	760.8756714	0.689040439	58.54858055
													HEDFEK	1	1	2xTMT6plex [N-Term; K6]	-	-	0.945	1.220283151	0	1262.678123	3	421.5647888	1.338658719	32.425196
													AGTFQAFEQFGQQLLAHGHYASPEIK	1	1	2xTMT6plex [N-Term; K26]	-	-	0.537	1.797887206	0	3333.742066	4	834.1899414	-1.238975577	96.4447176
													VNSLGETAER	1	1	1xTMT6plex [N-Term]	-	-	1.035	1.780153751	0	1304.70076	2	652.8536987	-0.489628796	41.24469483
112382250	SPTBN1	spectrin beta chain, non-erythrocytic 1 isoform 1	20.09306261	41	77	41	2364	274.439	5.57	0.957	0.961	1.007														
													HEVSASTQSTPASSR	2	1	1xTMT6plex [N-Term]	0.594	0.493	-	1.397897959	0	1773.89287	3	591.9691162	-0.042216297	22.44044306
													HEWEAHNK	1	1	2xTMT6plex [N-Term; K8]	1.262	-	-	1.115792394	0	1508.801032	4	377.9556274	-0.233327236	26.63908829
													TALPAQSAATLPAR	1	1	1xTMT6plex [N-Term]	-	-	0.795	1.204249144	0	1596.927071	2	798.9680786	1.133117846	52.00296037
													TAASGIPYHSEVPVSLK	1	1	2xTMT6plex [N-Term; K17]	-	1.08	-	0.6890378	0	2214.253439	3	738.7565308	0.722417374	66.61756711
													STDEVDSK	2	1	2xTMT6plex [N-Term; K8]	-	0.846	0.856	0.977555394	0	1338.715296	2	669.8616943	0.609466312	31.23238736
													SLLDACESR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.932	0.882282138	0	1279.651367	2	640.3294678	0.228145636	45.8484203
													ELEAENYHDIK	5	1	2xTMT6plex [N-Term; K11]	0.998	1.318	0.965	1.908159494	0	1818.9638	3	606.9932861	0.827745136	48.29899189
													EIGQSVDEVEK	4	1	2xTMT6plex [N-Term; K11]	0.933	0.959	-	1.291139364	0	1690.926351	3	564.3156738	3.617451683	52.09613481
													VLDNAIETEK	1	1	2xTMT6plex [N-Term; K10]	1.084	-	-	1.600922227	0	1589.915058	2	795.4608765	-0.366176991	58.66499568
													TAGYPNVNIHNFTTSWR	1	1	1xTMT6plex [N-Term]	1.073	-	-	1.062987447	0	2207.119516	3	736.3789673	1.283358444	69.86540926
													LQALDTGWNELHK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.926	1.156100869	0	1983.106381	3	661.7061768	-1.212424399	76.8490273
													LVSDGNINSDR	2	1	1xTMT6plex [N-Term]	0.939	1.034	-	1.486238241	0	1418.743687	2	709.8752441	-0.335070213	42.2865115
													LTTLELLEVR	3	1	1xTMT6plex [N-Term]	0.957	0.952	0.91	1.320366621	0	1415.867097	2	708.4371338	-0.074676412	92.69605868
													VLVLSQDYGK	2	1	2xTMT6plex [N-Term; K10]	-	-	1.032	1.788427472	0	1579.945965	3	527.3206177	0.844976584	72.58354229
													ILSSDDYGK	1	1	2xTMT6plex [N-Term; K9]	-	1.013	-	1.935662508	0	1455.809531	2	728.4089355	0.730585786	57.89608213
													LEDLEVIQHR	3	1	1xTMT6plex [N-Term]	0.977	0.901	1.006	1.313047409	0	1480.832108	3	494.2817688	-0.915021702	62.48974355
													LVSQDNFGFDLPAVEAATK	4	1	2xTMT6plex [N-Term; K19]	0.847	0.815	0.962	1.681293845	0	2480.343711	3	827.449585	-3.833826395	96.38555551
													SQNIVTDSSSLSAEAIR	2	1	1xTMT6plex [N-Term]	1.172	-	1	1.568066239	0	2007.055578	2	1004.03125	-0.176866054	61.78126455
													TQILAASYELHK	3	1	2xTMT6plex [N-Term; K12]	0.951	1.013	0.951	2.47357583	0	1832.068205	3	611.3601074	-1.329658125	64.42256383
													DLVAIEAK	3	1	2xTMT6plex [N-Term; K8]	0.881	0.864	0.829	2.823840857	0	1316.818973	2	658.9126587	-0.708288084	64.9348301
													LLEVLSGER	1	1	1xTMT6plex [N-Term]	-	0.97	-	1.077173829	0	1244.741168	2	622.8728027	-2.2809009	81.52798402
													QLWGLLIEETEK	2	1	2xTMT6plex [N-Term; K12]	1.044	1.067	-	1.771109104	0	1917.109735	3	639.7081299	0.052656578	99.00657437
													EASLGEASK	2	1	2xTMT6plex [N-Term; K9]	1.367	1.037	-	1.717146158	0	1349.767666	2	675.3876343	0.241400573	41.17446908
													INAVVETGR	1	1	1xTMT6plex [N-Term]	-	1.237	-	1.265170217	0	1187.694552	2	594.3502197	-1.169776246	49.85104133
													NEIDNYEEDYQK	2	1	2xTMT6plex [N-Term; K12]	0.988	0.999	-	1.632549047	0	2017.975486	2	1009.491577	0.193965129	54.75837526
													LLDPEDISVDHPDEK	3	1	2xTMT6plex [N-Term; K15]	0.973	0.884	0.921	2.223177195	0	2180.1487	3	727.387146	-0.832411899	71.74354162
													EGEDMIAEEHFGSEK	1	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M5]	-	0.985	-	0.671888947	0	2182.037435	3	728.0172119	-0.161513183	47.3673794
													LQAAYAGDK	2	1	2xTMT6plex [N-Term; K9]	-	0.838	0.868	1.712742448	0	1394.804386	2	697.9060059	0.250292266	48.22510007
													LESEHPDQAQAILSR	1	1	1xTMT6plex [N-Term]	-	1.817	-	0.918460667	0	1923.01332	3	641.6766968	1.153066393	49.42107425
													VQAVVAVAR	2	1	1xTMT6plex [N-Term]	-	1.144	1.252	1.329604745	0	1141.725458	2	571.3656006	-1.343473699	52.74825722
													SAATWDER	1	1	1xTMT6plex [N-Term]	-	0.884	-	1.221663833	0	1164.584667	2	582.7958374	-0.231151345	43.81786318
													LEMNLGLQK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.845	1.070767879	0	1503.896906	2	752.4520874	-0.005289799	80.01540568
													FESLEPEMNNQASR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	-	-	0.975	1.245554924	0	1896.895907	2	948.9524536	0.908582572	58.09363712
													HNLLASK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.487	1.661479712	0	1240.777777	3	414.264801	1.670255714	37.65399984
													DVEDEILWVGER	1	1	1xTMT6plex [N-Term]	-	-	1.262	1.549271464	0	1688.869281	2	844.9378052	-0.561114142	84.81539674
													EIEELQSQAQALSQEGK	1	1	2xTMT6plex [N-Term; K17]	-	-	1.146	1.081023812	0	2346.25529	2	1173.630615	-0.569371652	77.65720259
													GNLEVLLFTIQSK	4	1	2xTMT6plex [N-Term; K13]	0.821	0.833	0.824	1.291682005	0	1920.15702	3	640.7233887	-0.732874635	99.89011096
													FQIQDISVETEDNK	2	1	2xTMT6plex [N-Term; K14]	0.809	0.856	-	1.582988858	0	2124.122485	2	1062.563843	-0.977285039	79.77547077
													DLTSVNILLK	1	1	2xTMT6plex [N-Term; K10]	-	0.823	-	1.565529823	0	1573.992915	2	787.5001221	0.033405884	91.76540853
													IHCLENVDK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.819	0.815	0.833	1.960927248	0	1585.877234	3	529.2974854	0.421983917	51.71726157
													ETWLSENQR	1	1	1xTMT6plex [N-Term]	-	0.692	-	0.852593422	0	1391.711659	2	696.3602905	1.182532802	47.72524658
485837026	SPTBN5	spectrin beta chain, non-erythrocytic 5	0.272182907	1	1	1	3674	416.493	6.65	3.487	-	-														

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													FQISHISLDK	1	1	2xTMT6plex [N-Term; K10]	3.487	-	-	1.38228631	0	1645.967763	3	549.3276978	0.472179186	89.00767791
4505571	SQSTM1	sequestosome-1 isoform 1	2.954545455	2	3	2	440	47.657	5.22	-	0.707	0.71														
													DHRPPCAQEAPR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.691	0.71	2.15124774	0	1662.833188	4	416.4638367	0.197848882	22.55678089
													RDHRPPCAQEAPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.882	-	1.522318244	1	1818.934299	4	455.4887695	-0.577549723	19.66257051
1005261256	SRGN	serglycin isoform 1 precursor	8.860759494	1	3	1	158	17.641	4.96	1.824	1.575	2.498														
													CNPDSNSANCLEEK	3	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	1.824	1.575	2.498	1.983387351	0	2095.978874	3	699.3317261	0.83517667	42.27341708
4507207	SRI	sorcin isoform A	22.22222222	4	9	4	198	21.662	5.59	1.041	1.179	1.091														
													ITFDDYIACCVK	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	0.874	-	-	0.839435697	0	1963.006927	3	655.0053711	-2.734202654	87.7358134
													ELWAVLNGWR	1	1	1xTMT6plex [N-Term]	0.779	-	-	0.712114275	0	1472.82115	2	736.9138184	-0.536060505	96.68417915
													SGTVDPQELQK	4	1	2xTMT6plex [N-Term; K11]	1.288	1.403	-	1.410658956	0	1659.931771	2	830.4676514	-2.256144313	49.6586369
													LSPQAVNSIAK	3	1	2xTMT6plex [N-Term; K11]	0.935	1.041	1.091	1.338837862	0	1585.967763	2	793.4890137	1.883962474	67.21110551
63253298	SRM	spermidine synthase	11.9205298	3	5	3	302	33.803	5.49	1.145	1.441	1.06														
													FLPGMAIGYSSSK	2	1	2xTMT6plex [N-Term; K13]	1.287	1.396	-	1.610927105	0	1816.007913	3	606.0085449	1.744758711	89.56755525
													VLIIGGGDGGVLR	2	1	1xTMT6plex [N-Term]	-	1.478	1.06	0.844192863	0	1454.889229	2	727.9482422	-0.014684967	83.29397995
													AAFVLPEFAR	1	1	1xTMT6plex [N-Term]	1.018	-	-	1.233540297	0	1349.777888	2	675.3909912	-2.35747537	89.00672761
149999611	SRP14	signal recognition particle 14 kDa protein isoform 1	14.70588235	2	3	2	136	14.561	10.04	0.868	0.791	0.915														
													GTVEGFEPADNK	2	1	2xTMT6plex [N-Term; K12]	0.868	-	0.915	0.571741164	0	1721.911036	2	861.4575806	-1.830052263	53.4225515
													ISTVVSSK	1	1	2xTMT6plex [N-Term; K8]	-	0.791	-	1.575490952	0	1278.803323	2	639.906311	1.581212901	52.10545842
24497620	SRP68	signal recognition particle subunit SRP68 isoform 1	5.741626794	2	3	2	627	70.686	8.56	0.94	0.995	1.097														
													QVPGGGGGGGSGGGGGSGGGGSGGGR	2	1	1xTMT6plex [N-Term]	0.94	0.995	-	2.911264181	0	2072.965535	3	691.6596069	-0.611196471	22.35703017
													ENERPSAGSK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.097	0.937261641	0	1532.843291	3	511.6192322	-0.096087315	22.1779538
4507217	SRP9	signal recognition particle 9 kDa protein isoform 2	12.79069767	1	2	1	86	10.105	7.97	0.684	-	0.834														
													VTDDLVCLVYK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.684	-	0.834	1.155403495	0	1783.007579	2	892.0074463	0.020750403	92.65844817
21361282	SRSF4	serine/arginine-rich splicing factor 4	2.631578947	1	1	1	494	56.645	11.52	-	0.41	-														
													GESENAGTNQETR	1	1	1xTMT6plex [N-Term]	-	0.41	-	0.309942096	0	1621.761522	2	811.3837891	-0.752444169	27.31457175
659667952	SSB	lupus La protein	34.06862745	11	33	11	408	46.808	7.12	1.022	0.992	1.051														
													LDEGWVPLEIMIK	4	1	2xTMT6plex [N-Term; K13]	1.113	1.211	1.265	1.444041371	0	2001.149492	3	667.7221069	1.137226774	102.6292841
													DANNGNLQLR	3	1	1xTMT6plex [N-Term]	1.446	1.322	1.509	1.090475202	0	1343.722892	2	672.3651123	0.041600374	36.5272554
													FASDDEHDEHDENGATGPVK	2	1	2xTMT6plex [N-Term; K20]	1.164	-	1.513	0.669158161	0	2628.221423	4	657.8099976	-1.241495711	40.13658294
													FVETPGQK	2	1	2xTMT6plex [N-Term; K8]	1.007	-	1.013	1.468869209	0	1363.798572	2	682.4030762	0.22244029	49.93092119
													IIEDQQESLNK	2	1	2xTMT6plex [N-Term; K11]	-	-	1.011	1.758327603	0	1774.9951	2	888.0012207	0.036707848	55.22620621
													ICHQIEYYFGDFNLPR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.947	-	-	1.642498493	0	2301.132389	3	767.7159424	0.384431787	89.85304118
													ETDLLILFK	3	1	2xTMT6plex [N-Term; K9]	0.881	0.894	0.882	1.448996305	0	1549.960552	2	775.4844971	0.751825989	98.88380275
													LTTDFNVIVEALSK	8	1	2xTMT6plex [N-Term; K14]	0.912	0.956	0.955	2.154907227	0	2008.173064	3	670.0634155	1.309355294	102.8276635
													GSIFVVFDSIESAK	5	1	2xTMT6plex [N-Term; K14]	1.002	0.969	0.9	2.557271242	0	1957.10465	2	979.055603	-0.368204793	100.1320917
													FSGDLDDQTCR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.083	-	0.776	1.419547439	0	1542.705587	2	771.8561401	-0.378294191	46.38915398
													EVTWEVLEGEVEK	1	1	2xTMT6plex [N-Term; K13]	0.849	-	-	0.925859571	0	2005.089394	3	669.0339966	-0.976192838	88.42206675
374671775	SSBP1	single-stranded DNA-binding protein, mitochondrial precursor	12.16216216	1	2	1	148	17.249	9.6	1.138	-	1.152														
													QATTIIADNIIFLSDQTK	2	1	2xTMT6plex [N-Term; K18]	1.138	-	1.152	1.078457355	0	2450.390661	3	817.4682617	-0.175120546	97.76328775
5453838	SSSCA1	Sjoegren syndrome/scleroderma autoantigen 1 isoform 1	3.51758794	1	1	1	199	21.461	5.24	-	-	1.154														
													ACAEALR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.154	1.499764442	0	1019.550531	2	510.2797852	1.728989831	30.17473547
19923193	ST13	hsc70-interacting protein isoform 1	13.82113821	5	14	5	369	41.305	5.27	1.321	1.232	1.306														
													KVEEDLK	1	1	3xTMT6plex [N-Term; K1; K7]	-	-	1.331	1.113053799	1	1547.96117	3	516.6593018	1.409617683	45.37223808
													AIDLFTDAIK	2	1	2xTMT6plex [N-Term; K10]	1.516	-	-	1.882055402	0	1564.935066	2	782.9716187	0.571879759	92.84691418
													AIEINPDSAQPYK	3	1	2xTMT6plex [N-Term; K13]	1.299	1.368	1.263	1.43632102	0	1904.052949	2	952.5299683	-0.151748176	65.46703378
													VAAIEALNDGELQK	7	1	2xTMT6plex [N-Term; K14]	1.152	1.202	1.268	2.78156662	0	1929.105713	3	643.7086792	2.991903253	80.03813569
													VMNLISK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.364	1.184812307	0	1262.79065	2	631.8981934	-1.219672675	72.90300615
21450838	STAC3	SH3 and cysteine-rich domain-containing protein 3 isoform a	2.197802198	1	1	1	364	41.481	6.93	0.958	-	-														
													EIGQITLK	1	1	2xTMT6plex [N-Term; K8]	0.958	-	-	1.766150355	0	1359.861173	2	680.4327393	-2.18456445	66.0097844
4507249	STAM	signal transducing adapter molecule 1	1.851851852	1	1	1	540	59.142	4.82	-	1.502	-														
													HSELSELNVK	1	1	2xTMT6plex [N-Term; K10]	-	1.502	-	1.550148845	0	1613.926292	3	538.6472778	0.612386141	48.92554657
6274552	STAT1	signal transducer and activator of transcription 1-alpha/beta isoform alpha	3.333333333	2	7	2	750	87.28	6.05	0.504	0.585	0.603														
													LLGPNASPDGLIPWTR	5	1	1xTMT6plex [N-Term]	0.504	0.441	1.337	1.63914144	0	1936.085363	2	968.5455933	-0.750290556	94.76010312
													FNILGTHTK	2	1	2xTMT6plex [N-Term; K9]	-	0.642	0.489	1.461465478	0	1488.89387	3	496.9691162	-0.72154719	57.12080555
4507267	STC2	stanniocalcin-2 precursor	6.953642384	2	5	2	302	33.227	7.3	0.493	0.556	0.603														
													HDLCAAAQENTR	4	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.505	0.556	0.603	2.286550283	0	1614.785569	3	538.934082	1.315316282	26.49020427
													VIVEMIHFK	1	1	2xTMT6plex [N-Term; K9]	0.484	-	-	0.968139172	0	1573.954027	3	525.322998	0.262886093	88.978264
544063423	STIP1	stress-induced-phosphoprotein 1 isoform a	22.54237288	14	23	14	590	68.037	7.74	1.943	1.852	2.078														
													AAALEFLNRFEEAK	1	1	2xTMT6plex [N-Term; K14]	-	-	1.604	2.193356276	1	2067.163896	3	689.7269897	1.218944606	92.28916265
													EAADGYQR	3	1	1xTMT6plex [N-Term]	1.009	1.957	2.028	1.04565227	0	1138.569017	2	569.7879028	-0.42885054	22.04716321
													GDYPQAMK	1	1	2xTMT6plex [N-Term; K8]; 1xOxidation [M7]	1.645	-	-	0.843398273	0	1383.734258	2	692.3709106	0.207213965	36.12941758
													NKPSDLGTK	1	1	3xTMT6plex [N-Term; K2; K9]	2.402	-	-	0.795966208	0	1647.004432	3	549.6727295	-0.483613415	38.97235781
													LLEFQLALK	1	1	2xTMT6plex [N-Term; K9]	-	1.84	-	1.871953845	0	1532.981622	2	766.994812	0.473165123	97.24593949
													HEANNPQLK	2	1	2xTMT6plex [N-Term; K9]	2.379	-	2.436	0.753773272	0	1508.858547	3	503.625061	1.380570414	28.95905881
													DPQALSEHLK	1	1	2xTMT6plex [N-Term; K10]	-	-	2.051	1.539370775	0	1595.915727	3	532.6450195	2.993957431	50.29986627
													LILEQMQK	1	1	2xTMT6plex [N-Term; K8]	1.923	-	-	1.485068202	0	1460.891093	2	730.9495239	0.464594223	73.67911034
													CQQAEK	1	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	1.873	-	-	1.362642646	0	1221.666178	2	611.3369751	0.405368767	24.05149323
													ALDLDSSCK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	2.068	-	-	1.075222731	0	1466.792501	2	733.899292	-0.813718112	52.85375723
													ALSVGNIDDALQCYSEAIK	7	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.485	1.482	1.175	3.303001165	0	2525.33216	3	842.4458008	-3.687058042	94.99030503
													AYEDGCK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	-	2.287	1.193666697	0	1300.660759	2	650.8339233	-0.144941955	34.19601165
													GNECFQK	1	1	2xTMT6plex [N-Term; K7]; 1xCarbamidomethyl	-	1.908	-	1.05814445	0	1340.703292	2	670.8560791	1.185559202	46.56580985
													LMDVGLIAIR	1	1	1xTMT6plex [N-Term]	-	-	1.983	1.014131069	0	1329.812559	2	665.4100952	0.266954681	92.92514193

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
20070158	STK24	serine/threonine-protein kinase 24 isoform a precursor	5.417607223	2	2	2	443	49.277	5.69	-	1.847	-														
													ADPEELFTK	1	1	2xTMT6plex [N-Term; K9]	-	1.871	-	0.982679784	0	1507.840831	2	754.4240112	-0.056477488	71.95485818
													ADIWSLGITAIELAR	1	1	1xTMT6plex [N-Term]	-	1.594	-	1.640170932	0	1858.063564	2	929.5408325	5.825392236	102.8582489
5031851	STMN1	stathmin isoform a	55.03355705	9	25	9	149	17.292	5.97	0.765	0.825	0.806														
													DPADETEAD	1	1	1xTMT6plex [N-Term]	-	1.037	-	1.493049264	0	1191.521458	2	596.2642822	-0.142722461	30.58531445
													HIEEVRK	1	1	2xTMT6plex [N-Term; K7]	-	0.897	-	0.932267725	1	1368.836355	3	456.9503174	0.032179477	39.33456525
													ESVPEFPLSPPK	2	1	2xTMT6plex [N-Term; K12]	0.5	0.462	-	1.789605856	0	1785.019858	2	893.0128174	-0.84018358	79.28823392
													SHEAEVLK	4	1	2xTMT6plex [N-Term; K8]	0.815	0.831	0.713	2.218803167	0	1370.804386	2	685.9054565	-0.54677682	36.82153761
													EAQMAAK	2	1	2xTMT6plex [N-Term; K7]	-	0.634	0.758	1.720385075	0	1206.691665	2	603.8492432	-0.376916397	33.87052591
													ASGQAFELILSPR	1	1	1xTMT6plex [N-Term]	-	0.883	-	1.550312638	0	1617.916172	2	809.461853	0.159071707	83.32483263
													DLSLEEIQK	8	1	2xTMT6plex [N-Term; K9]	0.854	1.017	0.889	1.636165261	0	1532.893595	3	511.6372375	2.325397207	68.0567789
													AIEENNNFSK	10	1	2xTMT6plex [N-Term; K10]	0.666	0.691	0.725	1.541589379	0	1623.874256	3	541.9627686	-0.310310934	47.20354746
													LEAAEER	1	1	1xTMT6plex [N-Term]	0.893	-	-	0.815816581	0	1046.567955	2	523.7879639	0.665407699	32.14107576
374093219	STON2	stonin-2 isoform 2	0.97826087	1	1	1	920	102.77	5.5	1.528	-	-														
													LGLNDILVK	1	1	2xTMT6plex [N-Term; K9]	1.528	-	-	1.079319477	0	1442.934672	2	721.9716187	0.893189909	90.13580999
148727341	STRAP	serine-threonine kinase receptor-associated protein	24.28571429	7	14	7	350	38.414	5.12	1.155	1.2	0.966														
													GAVWGATLNK	1	1	2xTMT6plex [N-Term; K10]	-	1.249	-	1.654470086	0	1474.87822	2	737.940918	-2.481772699	65.68065653
													QGDTGDWIGTFLGHK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.897	1.821374178	0	2090.10711	3	697.3743286	0.632967487	87.07832926
													YDYNSGEELESYK	4	1	2xTMT6plex [N-Term; K13]	1.044	1.386	1.65	2.047996044	0	2054.995887	2	1028.001587	0.004797151	61.00494152
													AATAAADFTAK	4	1	2xTMT6plex [N-Term; K11]	1.183	1.144	-	1.29110229	0	1495.852064	2	748.428894	-1.038160189	54.32470187
													EFLVAGGEDFK	2	1	2xTMT6plex [N-Term; K11]	1.16	1.178	-	1.550837159	0	1669.920144	3	557.3106689	-1.611043541	78.83134541
													SFEAPATINSASLHPEK	1	1	2xTMT6plex [N-Term; K17]	-	1.172	-	1.131927729	0	2257.222868	3	753.0792847	0.191927839	63.52636478
													QILSADDK	1	1	2xTMT6plex [N-Term; K8]	-	1.325	-	1.202809453	0	1347.788402	2	674.3972778	-0.832857692	51.03403395
142976686	STRN3	striatin-3 isoform 1	1.631116688	1	1	1	797	87.155	5.36	-	-	2.555														
													NQLLSCSADGTVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	2.555	1.26145184	0	1649.847835	3	550.6240845	5.979586578	60.1165046
28933465	STX12	syntaxin-12	5.072463768	1	1	1	276	31.622	5.59	0.614	-	-														
													QLEADILDVNQIFK	1	1	2xTMT6plex [N-Term; K14]	0.614	-	-	1.425870419	0	2104.205427	3	702.0735474	0.31470304	97.63896242
439253035	STXBP2	syntaxin-binding protein 2 isoform c	2.649006623	1	3	1	604	67.652	6.68	2.204	2.146	2.246														
													LIVPVLLDAAVPAYDK	3	1	2xTMT6plex [N-Term; K16]	2.204	2.146	2.246	1.73194325	0	2155.314249	3	719.1104126	1.130096444	103.0074528
217330646	SUB1	activated RNA polymerase II transcriptional coactivator p15	18.8976378	2	8	2	127	14.386	9.6	1.196	1.242	1.222														
													EQISDIDDAVR	3	1	1xTMT6plex [N-Term]	1.118	1.141	1.184	2.314757586	0	1489.769567	2	745.3878784	-0.729759881	58.84722892
													GISLNPEQWSQLK	5	1	2xTMT6plex [N-Term; K13]	1.214	1.253	1.241	1.622362018	0	1958.111132	2	979.5559082	-3.366833292	89.08282031
195963398	SUGT1	protein SGT1 homolog isoform B	11.23287671	3	4	3	365	40.998	5.16	2.741	2.265	2.579														
													ALEQKPDDAQYYCQR	1	1	2xTMT6plex [N-Term; K5]; 1xCarbamidomethyl	-	2.265	-	0.945787072	0	2343.180351	3	781.7337646	2.72689864	46.28874309
													LEGQGDVPTPK	1	1	2xTMT6plex [N-Term; K11]	-	-	2.432	0.66883713	0	1598.915393	2	799.9613647	0.037526806	52.17488932
													LELLHPIIPEQSTFK	2	1	2xTMT6plex [N-Term; K15]	2.741	-	2.804	1.768968225	0	2223.315311	3	741.7738647	-3.719869006	91.97557677
194248088	SUMF2	sulfatase-modifying factor 2 isoform b precursor	8.4375	2	3	2	320	35.914	9.19	-	0.591	0.7														
													CAADAGRPPGEL	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.591	0.657	1.257175684	0	1442.725929	2	721.8670044	0.556806422	45.54787619
													GASWIDTADGSANHR	1	1	1xTMT6plex [N-Term]	-	-	0.713	1.626548171	0	1786.86699	3	596.2954102	2.623193991	44.84025022
4507801	SUMO1	small ubiquitin-related modifier 1 isoform a precursor	26.73267327	3	5	3	101	11.55	5.52	0.599	0.513	0.691														
													VIGQDSSEIHFK	1	1	2xTMT6plex [N-Term; K12]	0.74	-	-	1.01395309	0	1818.016169	3	606.6763306	-0.952142676	60.74408119
													IADNHTPK	1	1	2xTMT6plex [N-Term; K8]	-	-	0.725	0.98108381	0	1353.78907	3	451.9349365	0.87607467	35.53204085
													FLFEGQR	3	1	1xTMT6plex [N-Term]	0.489	0.513	0.517	1.531404614	0	1125.62541	2	563.3154297	-1.623377532	63.74397207
556695502	SUMO3	small ubiquitin-related modifier 3 isoform 2	12.76595745	2	7	2	141	15.758	6.92	0.798	1.063	1.026														
													VAGQDGSVVQFK	6	1	2xTMT6plex [N-Term; K12]	1.021	1.063	1.026	1.530802488	0	1692.968491	3	564.9949951	1.146537324	65.17744575
													HTPLSK	1	1	2xTMT6plex [N-Term; K6]	0.662	-	-	0.741945803	0	1140.714115	3	380.9102783	1.89981075	31.86341934
20149524	SUPT5H	transcription elongation factor SPT5 isoform a	0.643974241	1	1	1	1087	120.925	5.06	-	0.411	-														
													EMTDVLK	1	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M2]	-	0.411	-	0.919050872	0	1309.74376	2	655.3748169	-1.071072816	46.63308309
93102364	SWAP70	switch-associated protein 70 isoform 1	1.196581197	1	1	1	585	68.954	5.87	-	1.167	-														
													QELENQR	1	1	1xTMT6plex [N-Term]	-	1.167	-	1.103745699	0	1145.611216	2	573.309021	-0.393761693	34.34076868
228008291	SYNCRIP	heterogeneous nuclear ribonucleoprotein Q isoform 1	16.05136437	9	23	5	623	69.56	8.59	1.077	1.004	1.094														
													TGYTLDVTTGQR	4	2	1xTMT6plex [N-Term]	-	0.857	0.855	2.145818233	0	1540.816852	3	514.2772217	0.168643705	50.2777081
													EAAQEAVK	3	2	2xTMT6plex [N-Term; K8]	0.922	0.898	0.872	1.369141221	0	1303.762187	2	652.3853149	0.894659183	34.60528003
													GFCFLEYEDHK	2	2	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.856	-	0.83	1.613737822	0	1902.946041	3	634.9870605	0.308506186	71.56184652
													ADGYNQPDSK	1	2	2xTMT6plex [N-Term; K10]	-	0.666	-	1.581848621	0	1552.800757	2	776.9022827	-2.233538525	32.89520284
													EFNEDGALAVLQQFK	6	1	2xTMT6plex [N-Term; K15]	0.994	0.987	0.996	2.153913736	0	2167.17994	3	723.0654297	0.828571023	97.18514902
													NLANTVTEEILEK	1	1	2xTMT6plex [N-Term; K13]	0.999	-	-	1.320371985	0	1932.105378	3	644.7034912	-4.895124921	90.98660503
													DYAFIHFDER	2	1	1xTMT6plex [N-Term]	1.622	-	1.624	1.549180627	0	1541.758609	3	514.5912476	0.376554266	65.97061999
													DLFEDELVPLFEK	3	1	2xTMT6plex [N-Term; K13]	-	1.047	1.131	1.935553193	0	2052.13053	2	1026.568726	-0.173404235	100.9890365
													LYNNHEIR	1	1	1xTMT6plex [N-Term]	-	1.058	-	0.92056632	0	1287.7007	3	429.9055481	1.080116761	33.41243918
92859638	SYT5	synaptotagmin-5 isoform 1	3.626943005	1	1	1	386	42.873	9.17	-	0.978	-														
													QTLNPHFGETFAFK	1	1	2xTMT6plex [N-Term; K14]	-	0.978	-	0.910100222	0	2095.137682	3	699.0519409	1.71253371	92.48430577
5454102	TACC3	transforming acidic coiled-coil-containing protein 3	1.431980907	1	3	1	838	90.304	5.05	2.328	1.892	2.198														
													AETPHGAEEECR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.328	1.892	2.198	1.489808798	0	1614.73795	3	538.9175415	0.07511542	24.89676303
156523268	TADA2B	transcriptional adapter 2-beta	3.80952381	1	1	1	420	48.44	7.83	0.55	-	-														
													ILNFLTESGWISRDAS	1	1	1xTMT6plex [N-Term]	0.55	-	-	1.18046689	1	2038.080671	3	680.03125	-0.723347226	68.41934501
21327701	TAF15	TATA-binding protein-associated factor 2N isoform 1	3.716216216	2	2	1	592	61.793	8.02	0.564	-	-														
													GEATVSFDDPPSAK	1	2	2xTMT6plex [N-Term; K14]	-	-	0.815	0.810583293	0	1878.984929	2	939.9960938	-0.00955303	60.56186228
													EFHGNIIK	1	1	2xTMT6plex [N-Term; K8]	0.564	-	-	1.034615755	0	1415.841106	3	472.6184998	-0.11290986	48.55683119
48255905	TAGLN	transgelin	11.94029851	2	3	2	201	22.596	8.84	1.065	2.805	2.272														
													VPENPPSMVFK	2	1	2xTMT6plex [N-Term; K11]	-	2.805	2.272	1.248325944	0	1702.960235	3	568.3239746	-1.681796096	74.01432933
													TDMFQTVDLFEGK	1	1	2xTMT6plex [N-Term; K13]	1.065	-	-	0.922519922	0	1989.040335	2	995.0258789	2.084403431	94.68039224

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469608410	TAGLN2	transgelin-2 isoform a	62.72727273	10	54	10	220	24.438	8.25	1.081	1.071	1.379														
													DVGRPQPGR	2	1	1xTMT6plex [N-Term]	1.158	-	1.147	1.384161592	0	1210.685384	3	404.2328186	-1.224033487	22.6333776
													NFSDNQLQEGK	2	1	2xTMT6plex [N-Term; K11]	0.737	0.728	-	1.155456901	0	1737.917184	3	579.9777222	0.822567335	48.49892296
													QMEQISQFLQAAER	5	1	1xTMT6plex [N-Term]	1.198	1.189	1.772	1.737244606	0	1907.984662	3	636.666626	0.347219609	90.65462502
													QMEQISQFLQAAER	3	1	1xTMT6plex [N-Term]; 1xOxidation [M2]	0.912	0.842	0.867	1.530306101	0	1923.979577	3	641.9981079	0.100463888	74.59297512
													YGINTTDIFQTVDLWEGK	9	1	2xTMT6plex [N-Term; K18]	1.294	1.265	1.248	3.051900387	0	2558.354275	2	1279.681396	0.485018342	100.3839108
													TLMNLGGLAVAR	4	1	1xTMT6plex [N-Term]	1.125	1.146	1.201	2.757872343	0	1444.850735	3	482.2883606	-0.143006392	83.99026853
													TLMNLGGLAVAR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	1.037	-	-	1.800340414	0	1460.84565	3	487.6195679	-1.02666337	68.72129002
													QYDADLEQILIQWITTQCR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.116	1.395	1.304	1.975176096	0	2623.338753	3	875.1168823	-1.013688126	106.2258737
													NVIGLQMGTNR	4	1	1xTMT6plex [N-Term]	0.559	0.69	1.004	2.184150696	0	1431.793949	3	477.9354553	-1.491718278	58.68783781
													NVIGLQMGTNR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	0.457	-	-	1.538293362	0	1447.788864	3	483.2680359	0.477186994	46.39139785
													IQASTMAFK	1	1	2xTMT6plex [N-Term; K9]	-	0.481	-	0.927125871	0	1454.844142	2	727.9268188	1.525074232	69.90449557
													IQASTMAFK	2	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M6]	1.048	1.052	-	1.449320912	0	1470.839057	2	735.9222412	-1.258824421	55.1957523
													DDGLFSGDPNWFPK	8	1	2xTMT6plex [N-Term; K14]	1.589	1.566	1.652	2.612311125	0	2053.043112	2	1027.025146	-0.04678969	93.17817385
													DGTVLCELINALYPEGQAPVK	9	1	2xTMT6plex [N-Term; K21]; 1xCarbamidomethyl	1.501	1.644	1.51	1.701868534	0	2745.489723	2	1373.255005	4.738610207	103.9101675
56549135	TAGLN3	transgelin-3	7.035175879	1	3	1	199	22.458	7.33	1.226	1.329	1.237														
													TTDIFQTVDLWEGK	3	1	2xTMT6plex [N-Term; K14]	1.226	1.329	1.237	1.425202608	0	2111.142492	3	704.3847046	-1.388589581	96.42652952
5803187	TALDO1	transaldolase	38.57566766	13	43	13	337	37.516	6.81	1.213	1.185	1.286														
													VSTEVDAR	2	1	1xTMT6plex [N-Term]	-	0.976	1.306	1.386527061	0	1105.605068	2	553.3061523	-0.036543338	31.26541193
													MFNAENGK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.443	1.016208172	0	1368.734592	2	684.8708496	-0.123699109	47.48989603
													RLIELYK	2	1	2xTMT6plex [N-Term; K7]	1.522	1.553	-	1.064314365	1	1392.897892	3	464.9705811	-0.504398737	56.87405828
													TIVMGASFR	2	1	1xTMT6plex [N-Term]	0.983	-	0.993	1.574361205	0	1210.681545	2	605.8446045	0.320203423	60.83738388
													WLHNEDQMAVEK	2	1	2xTMT6plex [N-Term; K12]	1.262	-	1.192	1.325804949	0	1958.020603	3	653.3444214	-0.966266566	56.26922801
													WLHNEDQMAVEK	2	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M8]	1.257	1.323	-	2.129427671	0	1974.015518	3	658.6761475	-0.825093406	50.45094516
													LGGSQEDQIK	5	1	2xTMT6plex [N-Term; K10]	1.189	0.992	1.283	1.569129109	0	1532.868443	3	511.6278687	0.397957851	54.79275415
													AAQASDLEK	6	1	2xTMT6plex [N-Term; K9]	1.127	1.306	1.322	2.048976183	0	1390.794215	2	695.9006958	-0.072051233	40.14019255
													LSSTWEGIQAGK	3	1	2xTMT6plex [N-Term; K12]	1.147	1.219	-	1.556300044	0	1734.979056	2	867.9933472	0.208651474	69.61332143
													ILDWHVANTDK	2	1	2xTMT6plex [N-Term; K11]	1.177	1.321	-	1.595490456	0	1769.99504	3	590.6700439	0.304207597	69.65765742
													LLGELLQDNAK	4	1	2xTMT6plex [N-Term; K11]	1.217	1.189	-	2.124704123	0	1672.004542	2	836.5029907	-3.491243319	91.13570008
													SYEPLEDPGVK	3	1	2xTMT6plex [N-Term; K11]	1.259	1.177	-	1.879485965	0	1691.925623	3	564.6464233	-0.535715315	58.17727474
													MESALDQLK	2	1	2xTMT6plex [N-Term; K9]	0.761	1.028	-	1.561805725	0	1492.844536	2	746.9244995	-1.884849021	68.58821635
													ALAGCDFLTISPK	7	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.263	1.179	1.206	1.717505455	0	1851.045027	2	926.0263062	0.166719168	87.03898391
6678271	TARDBP	TAR DNA-binding protein 43	2.898550725	1	1	1	414	44.711	6.19	0.677	-	-														
													TSDLIVLGLPWK	1	1	2xTMT6plex [N-Term; K12]	0.677	-	-	1.107989907	0	1800.103528	3	600.7058105	-0.36085112	99.6382951
38202255	TARS	threonine--tRNA ligase, cytoplasmic isoform 1	35.82295989	20	43	20	723	83.382	6.67	1.583	1.563	1.576														
													TTPYQIACGISQGLADNTVIAK	2	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	-	1.486	1.503	2.47086525	0	2779.506436	3	927.1724854	-1.271159249	94.74948517
													VNTPTTTVYR	1	1	1xTMT6plex [N-Term]	-	1.18	-	0.908560812	0	1380.768445	2	690.8884888	0.909362513	42.67535323
													GFQEVVTPNIFNSR	1	1	1xTMT6plex [N-Term]	-	1.057	-	0.936442435	0	1836.980563	2	918.9929199	-1.088697556	85.21568306
													DQELYFFHELSPGSCFFLPK	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	1.524	-	-	0.841210246	0	2919.479159	3	973.8331299	1.944771012	98.14129336
													GAYIYNALIEFIR	4	1	1xTMT6plex [N-Term]	1.871	1.648	1.738	1.924143076	0	1771.994422	3	591.3361816	-0.243058398	102.6905134
													ADMETLQR	2	1	1xTMT6plex [N-Term]	1.261	-	1.328	1.109481931	0	1192.619338	2	596.8132935	-0.023499483	39.38155464
													QLENSLNEFGEK	4	1	2xTMT6plex [N-Term; K12]	1.849	1.586	1.61	1.306815982	0	1866.000913	3	622.6723022	0.77182614	66.39769181
													FQQDDAHIFCAMEQIEDEIK	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	-	-	0.905	2.077193975	0	2925.4163	3	975.8118286	1.583456633	97.09828329
													WELNSGDGAFYGPK	3	1	2xTMT6plex [N-Term; K14]	1.408	-	1.569	1.36148262	0	1999.032548	2	1000.019714	-0.197925273	77.07261563
													IYGISFPDPK	2	1	2xTMT6plex [N-Term; K10]	1.518	1.445	-	1.442802191	0	1594.924501	3	532.3133545	0.632729989	85.93940831
													VNNVVWDLDRPLEEDCTLELLK	1	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.081	-	-	1.301895738	0	3128.670207	3	1043.561523	-0.060609616	96.61889802
													TISETIER	1	1	1xTMT6plex [N-Term]	-	1.485	-	1.178027511	0	1177.662583	2	589.3349609	0.052599956	41.45744243
													NSSTYWEGK	4	1	2xTMT6plex [N-Term; K9]	1.314	1.394	1.41	1.769090414	0	1529.800029	2	765.4038696	0.283578118	49.89731171
													LADFGVLHR	2	1	1xTMT6plex [N-Term]	1.62	1.69	-	2.312675714	0	1256.731272	3	419.5814514	-1.170546151	63.2444101
													NELSGALTGLTR	2	1	1xTMT6plex [N-Term]	1.421	1.311	-	1.975580096	0	1460.827023	2	730.9168091	-0.466308418	66.24673779
													AEHDSILAEK	2	1	2xTMT6plex [N-Term; K10]	1.767	1.784	-	1.516699672	0	1570.884093	3	524.2989502	-1.142932232	42.60238531
													AELNPWPEYIYTR	2	1	1xTMT6plex [N-Term]	1.058	1.161	-	1.858817697	0	1880.974415	2	940.9893799	-1.55876356	82.2617549
													FLGDIEVWDQAEK	6	1	2xTMT6plex [N-Term; K13]	1.82	1.851	1.722	1.718834996	0	2008.079164	2	1004.539368	-3.836914688	93.88900852
													MIAILTENYGGK	1	1	2xTMT6plex [N-Term; K12]	-	1.554	-	1.303840041	0	1768.007913	3	590.0082397	1.274297623	90.33287932
													LEMYNILK	1	1	2xTMT6plex [N-Term; K8]	-	1.249	-	0.984369397	0	1481.880193	2	741.4434814	-0.342274212	89.48235288
4759212	TBCA	tubulin-specific chaperone A isoform 2	43.51851852	6	18	6	108	12.847	5.29	0.828	0.786	1.077														
													QAEILQESR	4	1	1xTMT6plex [N-Term]	0.872	0.868	0.929	1.27619493	0	1302.721495	2	651.8657227	2.052297832	38.95453717
													LEAAYLDLQR	2	1	1xTMT6plex [N-Term]	0.892	-	1.015	1.426046491	0	1420.799745	2	710.9054565	2.738630796	72.53564138
													MRAEDGENYDIK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.142	1.637219071	1	1898.968233	3	633.661438	0.804534177	47.24954606
													MRAEDGENYDIK	2	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M1]	0.474	0.448	-	0.612936199	1	1914.963148	3	638.9924316	-0.212149317	37.4121094
													AEDGENYDIK	4	1	2xTMT6plex [N-Term; K10]	1.356	1.459	1.627	1.791776657	0	1611.826637	2	806.4172974	0.422319961	45.960912
													DLEEAEEYK	4	1	2xTMT6plex [N-Term; K9]	0.923	0.95	0.978	2.204471588	0	1583.820489	2	792.4144287	0.689094429	54.9346741
													LVLDSVK	1	1	2xTMT6plex [N-Term; K7]	0.922	-	-	1.345394492	0	1231.802595	2	616.4044189	-0.839330408	66.98133881
50428925	TBCB	tubulin-folding cofactor B isoform 1	15.16393443	4	10	4	244	27.308	5.15	1.066	1.119	1.082														
													SLTIAEFK	2	1	2xTMT6plex [N-Term; K8]	1.162	1.165	-	1.823529601	0	1366.834624	2	683.9188232	-3.112041173	76.14736168
													AQQEAEAAQR	3	1	1xTMT6plex [N-Term]	1.045	1.117	1.122	1.778350234	0	1330.691258	2	665.8488159	-0.678131803	21.40465322
													NDGSVNGK	2	1	2xTMT6plex [N-Term; K8]	-	1.109	1.07	1.695906043	0	1248.694836	2	624.8515625	0.81109489	25.64374719
													YTISQEAYDQR	3	1	1xTMT6plex [N-Term]	0.949	0.955	0.854	1.723558903	0	1602.796116	2	801.9019165	0.274462739	47.42871597
41350333	TBCD	tubulin-specific chaperone D	0.838926174	1	5	1	1192	132.515	6.19	3.241	2.621	2.639														
													LVDVVAVILK	5	1	2xTMT6plex [N-Term; K10]	3.241	2.621	2.639	1.848048091	0	1527.028572	2	764.0172729	-0.853259452	103.4140875
568215736	TBCE	tubulin-specific chaperone E isoform b	1.730103806	1	1	1	578	64.811	7.27	-	-	2.205														
													QLPGSMTIQK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M6]	-	-	2.205	1.297499061	0	1576.913285	3	526.309021	-0.49152463	70.52127817

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
19913371	TBL1XR1	F-box-like/WD repeat-containing protein TBL1XR1	4.474708171	2	4	2	514	55.56	5.55	-	1.381	1.361														
													EGGQDVPSNK	2	1	2xTMT6plex [N-Term; K10]	-	1.375	1.436	1.364848733	0	1488.805842	2	744.9066162	0.076136103	31.90546755
													TFQGHTNEVNAIK	2	1	2xTMT6plex [N-Term; K13]	-	1.387	1.288	1.804131866	0	1917.059431	3	639.6916504	0.504268078	50.86890098
5803191	TCEA1	transcription elongation factor A protein 1 isoform 1	3.986710963	1	3	1	301	33.948	8.38	-	0.69	0.894														
													EESTSSGNVSNR	3	1	1xTMT6plex [N-Term]	-	0.69	0.894	1.850126624	0	1495.718594	2	748.3627319	-0.272218861	19.93785716
61175239	TCEAL5	transcription elongation factor A protein-like 5	4.368932039	1	3	1	206	23.293	4.81	0.624	0.591	0.65														
													HLSSEEMMR	3	1	1xTMT6plex [N-Term]; 2xOxidation [M7; M8]	0.624	0.591	0.65	1.699712396	0	1380.644902	3	460.8864746	-0.022657437	20.12005397
325652037	TCEB1	transcription elongation factor B polypeptide 1 isoform a	32.14285714	3	6	3	112	12.465	4.78	1.299	1.127	0.883														
													TYGGCEGPDAMYVK	1	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	-	1.246	-	1.565664649	0	2005.976355	2	1003.493164	1.344190819	57.14205613
													TYGGCEGPDAMYVK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M11];	-	0.904	-	1.396412253	0	2021.97127	3	674.6621704	0.340207835	50.12752322
													LISSDGHEFIVK	3	1	2xTMT6plex [N-Term; K12]	1.299	1.204	1.212	1.076374173	0	1803.041656	3	601.6854858	0.13772257	69.87197819
													EHALTSGTIK	1	1	2xTMT6plex [N-Term; K10]	-	-	0.61	1.949479699	0	1514.894264	3	505.6365051	0.461141663	43.78164785
46276893	TCEB2	transcription elongation factor B polypeptide 2 isoform b	20.49689441	4	7	4	161	17.9	6.1	1.175	1.368	0.949														
													ESSTVFELK	2	1	2xTMT6plex [N-Term; K9]	1.145	1.904	-	0.967833161	0	1497.856481	2	749.4313354	-0.725557873	67.52879306
													DDQLLDDGK	3	1	2xTMT6plex [N-Term; K9]	1.236	1.201	1.105	1.554648161	0	1476.794609	2	738.9013062	0.492035035	52.25344783
													TTIFTDAK	1	1	2xTMT6plex [N-Term; K8]	-	1.219	-	1.56191957	0	1354.798238	2	677.9031982	0.650926721	60.07833521
													IVEGILK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.849	1.476801038	0	1229.823331	2	615.4155273	0.363830714	77.17074762
207113160	TCOF1	treacle protein isoform d	1.27688172	2	2	2	1488	152.015	9.04	0.68	0.694	-														
													TGPSAAQAGK	1	1	2xTMT6plex [N-Term; K10]	0.68	-	-	1.595931411	0	1345.783985	2	673.3953857	-0.36412651	31.03053111
													AGAVASQTK	1	1	2xTMT6plex [N-Term; K9]	-	0.694	-	1.045731664	0	1290.778171	2	645.8919678	-1.171652232	32.07726301
57863257	TCP1	T-complex protein 1 subunit alpha isoform a	32.91366906	15	32	15	556	60.306	6.11	1.251	1.452	1.421														
													YINENLIVNTDELGR	2	1	1xTMT6plex [N-Term]	1.196	1.162	-	1.249746442	0	1992.059936	3	664.6885986	-4.363765069	81.51612727
													SSLGPVGLDK	2	1	2xTMT6plex [N-Term; K10]	1.227	-	1.536	1.407956719	0	1430.861901	3	477.6251221	-0.760289349	62.1531748
													NADELVK	2	1	2xTMT6plex [N-Term; K7]	-	1.552	1.048	1.335422158	0	1246.740723	2	623.8743896	0.625251795	47.38060933
													EVGDGTTSVVIIAAELLK	5	1	2xTMT6plex [N-Term; K18]	1.086	1.622	1.441	1.793887973	0	2273.336835	3	758.4515381	1.419234389	104.0773487
													LLEVEHPAAK	3	1	2xTMT6plex [N-Term; K10]	-	1.464	1.421	1.342878103	0	1564.946299	2	782.9776611	1.11602272	54.45676298
													VLCELADLQDK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.874	1.586	-	1.868358016	0	1761.982092	3	587.9985962	-0.486466795	86.79419199
													HGSYEDAVHSGALND	1	1	1xTMT6plex [N-Term]	-	1.972	-	1.416012645	0	1800.835021	3	600.9494629	-0.658382423	36.97428975
													QAGVFEPTIVK	3	1	2xTMT6plex [N-Term; K11]	1.317	1.28	-	1.550507545	0	1646.988164	3	549.6671143	-0.834484784	71.73569132
													YPVNSVNILK	1	1	2xTMT6plex [N-Term; K10]	0.982	-	-	0.759263635	0	1604.977599	2	802.9910889	-1.681104849	75.03745898
													SLHDALCVVK	4	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.401	1.43	1.418	2.022783756	0	1599.929269	3	533.9819336	1.236530444	61.97323096
													FATEAAITILR	1	1	1xTMT6plex [N-Term]	1.148	-	-	1.0430336	0	1434.851781	2	717.9284668	-1.480310564	88.4785301
													LGVQVVITDPEK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.974	0.715405643	0	1756.062057	2	878.5341797	-0.554812397	79.07996297
													IACLDFSLQK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	1.565	2.253	0.969938338	0	1652.944585	2	826.9761353	0.247454038	87.57499011
													SLLVIPNTLAVNAAQDSTDLVAK	2	1	2xTMT6plex [N-Term; K23]	-	1.259	1.322	1.373818755	0	2811.62318	3	937.8787231	-0.556179227	98.83599864
													ICDDELILIK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	-	-	1.62	1.629173994	0	1689.986115	2	845.4933472	-3.963082301	91.63277802
170016091	TENM2	teneurin-2 isoform 1	3.580470163	6	8	6	2765	306.691	6.68	0.286	0.318	0.341														
													SFQASPNLAYTFIWDK	2	1	2xTMT6plex [N-Term; K16]	0.163	-	0.153	1.655205727	0	2346.253439	3	782.7541504	-2.361849761	97.8006664
													GSRDPLDIIQQGQTDWPAVK	1	1	2xTMT6plex [N-Term; K20]	0.244	-	-	1.752516389	1	2682.461534	3	894.8213501	-4.48745187	82.14446452
													TALLQGFELDPSNLGGWSLDK	2	1	2xTMT6plex [N-Term; K21]	0.404	0.077	-	2.167075634	0	2719.470702	3	907.1622314	0.52912353	100.6775415
													AGHWFATTTPIIGK	1	1	2xTMT6plex [N-Term; K14]	-	0.37	-	1.130251527	0	1958.126389	3	653.3798828	-0.660545973	72.72727093
													VASVLNNAYYLDK	1	1	2xTMT6plex [N-Term; K13]	-	0.516	-	0.95597446	0	1928.089334	3	643.3666382	-2.060619883	84.9174246
													VTTGVSSIASEDSRK	1	1	2xTMT6plex [N-Term; K15]	-	-	0.832	1.209477901	1	1995.112255	3	665.7088013	-0.202470515	49.79857472
7661666	TES	testin isoform 1	2.375296912	1	3	1	421	47.964	7.68	1.598	1.617	1.552														
													SEALGVGDVK	3	1	2xTMT6plex [N-Term; K10]	1.598	1.617	1.552	1.506240249	0	1432.841165	2	716.9241333	-0.122406057	53.02383491
4557871	TF	serotransferrin precursor	93.40974212	80	3072	80	698	77	7.12	0.855	0.861	0.866														
													SCHTAVGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.682	0.958	1.769385338	0	1116.578143	2	558.7926025	-0.191775091	17.62744953
													DSGFQMNQLR	27	1	1xTMT6plex [N-Term]	0.864	0.857	0.89	2.721161127	0	1424.715364	3	475.5772095	1.20114376	57.68640031
													DSGFQMNQLR	31	1	1xTMT6plex [N-Term]; 1xOxidation [M6]	0.875	0.857	0.86	2.972506523	0	1440.710279	3	480.9081726	-0.218161652	45.91484539
													HQTVPQNTGGK	73	1	2xTMT6plex [N-Term; K11]	0.952	1.045	1.062	2.545608997	0	1624.917124	3	542.3101807	-0.698785061	21.99435587
													APNHAVVTRK	11	1	2xTMT6plex [N-Term; K10]	0.615	0.596	0.589	1.715998292	1	1550.953116	2	775.9798584	-0.435663153	23.63227667
													LHDRNTYEK	27	1	2xTMT6plex [N-Term; K9]	0.801	0.799	0.791	1.868647933	1	1633.906225	4	409.2323608	0.849681184	31.74610899
													EACVHK	7	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	0.939	-	1.25	1.179783702	0	1201.676349	3	401.2307129	1.028789387	24.60492792
													VPPRMDAK	3	1	2xTMT6plex [N-Term; K8]	-	0.934	1.053	1.565723896	1	1371.818262	3	457.9448547	1.274934904	41.51870175
													WCALSHHER	33	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.015	0.964	0.986	3.112319946	0	1424.705468	3	475.5735779	0.499838454	27.12997984
													DSSLCK	3	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	0.779	0.786	0.758	1.437136769	0	1167.64438	2	584.3265381	1.215491548	35.33121567
													EACVHKILR	1	1	2xTMT6plex [N-Term; K6]; 1xCarbamidomethyl	0.676	-	-	1.26422143	1	1583.945588	2	792.4769287	0.626809332	37.3247004
													KPVDEYK	15	1	3xTMT6plex [N-Term; K1; K7]	0.927	0.642	0.704	1.657039404	0	1565.950605	3	522.6553345	0.539504864	42.0699965
													DCHLAQVPSHTVVAR	44	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.496	0.479	0.498	2.194857359	0	1919.01188	4	480.5099182	3.107141557	41.72102402
													GDVAFVKHQTVPQNTGGK	5	1	3xTMT6plex [N-Term; K7; K18]	0.64	0.628	0.742	1.626077652	1	2570.465781	4	643.3719482	0.070772679	48.1528915
													DSAHGFLK	77	1	2xTMT6plex [N-Term; K8]	0.753	0.808	0.836	2.305811644	0	1332.767607	3	444.9285278	2.568817007	42.48484573
													WCAVSEHEATK	40	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.646	0.581	0.572	2.459924936	0	1775.915076	3	592.6426392	-0.963638157	48.74187706
													NLREGTCPEAPTDECKPVK	2	1	3xTMT6plex [N-Term; K16; K19]; 2xCarbamidomethyl	1.895	1.83	-	0.980124652	1	2888.521324	3	963.5129395	1.018230106	44.59015499
													DDTVCLAKLHDR	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	-	0.733	1.563765407	1	1901.031502	4	476.0132446	-0.185996063	46.79061308
													KDSGFQMNQLR	4	1	2xTMT6plex [N-Term; K1]	0.976	-	1.181	1.500522852	1	1781.973259	3	594.6629028	0.503041271	48.44423199
													KDSGFQMNQLR	1	1	2xTMT6plex [N-Term; K1]; 1xOxidation [M7]	-	1.195	-	0.594474673	1	1797.968174	3	599.9944458	0.339445577	45.97444399
													EGYYGYTGAFR	33	1	1xTMT6plex [N-Term]	0.664	0.683	0.672	2.09604907	0	1512.73206	3	504.9153748	-0.323099136	55.42835343
													GDVAFVK	26	1	2xTMT6plex [N-Term; K7]	0.988	0.979	0.993	1.663384438	0	1193.72943	2	597.3691406	1.318866705	57.68471347
													CDEWSVNSVGK	24	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.912	0.958	0.973	1.725101471	0	1738.883441	3	580.2992554	-0.131243253	56.03152026
													DGAGDVAFVK	50	1	2xTMT6plex [N-Term; K10]	0.82	0.881	0.874	1.728261352	0	1436.814951	2	718.911438	0.45148929	59.00891937
													CSTSSLLEACTFR	29	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.849	0.794	0.961	1.675878048	0	1760.850872	2	880.9281006	-1.10569734	65.31513937
													LCMGSGLNLCEPNNK	54	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl	0.944	0.981	0.942	2.562389135	0	2165.091736	2	1083.047485	-1.866954091	73.98543479

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LCMGSGLNLCEPNNK	58	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M3];	0.871	0.84	0.832	2.472515583	0	2181.086651	3	727.6994629	-1.291002411	66.09778544
													ADRDQYELLCLDNTR	9	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.5	0.685	2.175654173	1	2111.038883	3	704.3531494	2.84799216	58.68279191
													SASDLTWDNLK	77	1	2xTMT6plex [N-Term; K11]	0.836	0.916	0.916	2.617433786	0	1707.931771	2	854.4682007	-1.549483918	66.34550289
													YLGEEYVKAVGNLR	1	1	2xTMT6plex [N-Term; K8]	-	-	1.106	0.630276322	1	2069.179546	3	690.397644	-0.564190331	73.71441615
													MYLGYEYVTAIR	190	1	1xTMT6plex [N-Term]	0.953	0.98	1.007	2.702703476	0	1707.897745	3	569.9710083	0.425565492	105.1642134
													MYLGYEYVTAIR	49	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	0.816	0.848	0.856	3.116950512	0	1723.89266	3	575.3017578	-1.125152711	80.38158163
													DLLFRDDTVCLAK	28	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.66	0.738	0.748	2.195768595	1	2024.125068	3	675.3794556	-0.619902792	85.99864271
													SDNCEDTPEAGYFAVAVK	130	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.905	0.904	0.915	2.294695377	0	2530.253575	2	1265.624634	-4.578399567	85.99157518
													FDEFFSEGCAPGSK	108	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.87	0.93	0.889	2.682505846	0	2035.983549	2	1018.497253	1.808111829	82.76300135
													IMNGEADAMSLDGGFVYIAGK	233	1	2xTMT6plex [N-Term; K21]	0.967	0.964	0.977	4.208843231	0	2617.340616	2	1309.174194	0.189506047	96.46448403
													IMNGEADAMSLDGGFVYIAGK	303	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M]	0.848	0.834	0.835	3.109457016	0	2633.335531	3	878.4498291	-0.226706892	101.2770182
													IMNGEADAMSLDGGFVYIAGK	74	1	2xTMT6plex [N-Term; K21]; 2xOxidation [M2; M9]	0.774	0.792	0.779	2.426653147	0	2649.330446	4	663.0858154	-3.40244882	90.46806729
													MYLGYEYVTAIRNLR	1	1	1xTMT6plex [N-Term]	-	-	2.203	0.773677528	1	2091.125847	3	697.7138672	0.574433386	90.50984322
													TAGWNIPMGLLYNK	77	1	2xTMT6plex [N-Term; K14]	0.899	0.867	0.893	2.768267393	0	2036.140324	3	679.3848267	-0.195158225	119.1604999
													TAGWNIPMGLLYNK	71	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M8]	0.83	0.854	0.839	2.476663589	0	2052.135239	3	684.7171631	0.826898627	91.35227881
													EDPQTFYYAVAVVK	156	1	2xTMT6plex [N-Term; K14]	0.918	0.937	0.918	2.560386658	0	2088.141764	2	1044.571533	-2.860923455	89.72180667
													SAGWNIPIGLLYCDLPEPR	147	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.912	0.946	0.975	3.916403055	0	2400.258318	2	1200.633179	0.317808241	100.4839057
													AIAANEADAVTLDAGLVYDAYLAPNNLKPVVAEFYGSK	24	1	3xTMT6plex [N-Term; K28; K38]	3.938	4.025	3.935	2.294120789	0	4641.50592	4	1161.130127	-1.560316334	107.035971
													EDLIWELLNQAQEHFGK	136	1	2xTMT6plex [N-Term; K17]	0.863	0.923	0.947	3.008412123	0	2528.354944	3	843.4557495	-0.889493324	110.7204907
													APNHAVVTR	14	1	1xTMT6plex [N-Term]	0.566	0.571	0.785	1.772355199	0	1193.695221	3	398.5706482	1.818236381	23.18265223
													DSAHGFLKVPPR	1	1	2xTMT6plex [N-Term; K8]	-	-	1.162	1.033415675	1	1782.042659	4	446.2660522	-0.157098161	45.65860864
													DDTVCLAK	18	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	1.093	1.118	1.311	2.062813997	0	1379.760473	3	460.5914917	-0.399143442	50.63880671
													EFQLFSSPHGK	76	1	2xTMT6plex [N-Term; K11]	0.917	0.887	0.898	2.382104635	0	1734.957926	3	578.9911499	0.559130003	62.9596073
													HSTIFENLANK	37	1	2xTMT6plex [N-Term; K11]	0.952	0.946	0.955	2.722722054	0	1731.97939	2	866.4923096	-1.182207702	59.65779538
													SVIPSDGPSVACVK	49	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.599	0.664	0.651	2.25668335	0	1874.045755	2	937.5267334	0.232047096	65.29529731
													DYELLCLDGTRKPVEEYANCHLAR	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	0.555	-	-	0.819681108	1	3380.713151	4	845.9337158	-0.034826601	67.27179519
													DYELLCLDGTR	39	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.872	0.868	0.957	2.588489294	0	1583.793674	3	528.6040039	2.389508692	73.21007312
													FDEFFSEGCAPGSKK	1	1	3xTMT6plex [N-Term; K14; K15]; 1xCarbamidomethyl	0.743	-	-	0.938680351	1	2393.241444	3	798.418457	-0.261589256	73.38251053
													SMGGKEDLIWELLNQAQEHFGK	9	1	3xTMT6plex [N-Term; K5; K22]	0.678	0.659	0.637	2.34641242	1	3217.728279	4	805.1881104	0.724743063	100.7208661
													SMGGKEDLIWELLNQAQEHFGK	8	1	3xTMT6plex [N-Term; K5; K22]; 1xOxidation [M2]	0.645	0.64	0.638	2.563497066	1	3233.723194	4	809.1862793	0.02869989	99.86230211
													KDSSLCK	2	1	3xTMT6plex [N-Term; K1; K7]; 1xCarbamidomethyl	-	0.876	0.978	1.607533813	1	1524.902275	3	508.9729614	1.348137108	36.49649629
													NPDPWAK	17	1	2xTMT6plex [N-Term; K7]	0.78	0.793	0.774	1.893434405	0	1285.730493	3	429.2488403	1.147119168	57.44561445
													YLGEEYVK	57	1	2xTMT6plex [N-Term; K8]	0.884	0.895	0.887	1.955928922	0	1458.824453	2	729.9155273	-0.46245626	64.5151196
													SASDLTWDNLKGK	2	1	3xTMT6plex [N-Term; K11; K13]	-	1.154	-	1.721069932	1	2122.21113	4	531.3085938	0.666903486	70.44587799
													CLVEKGDVAFVK	1	1	3xTMT6plex [N-Term; K5; K12]; 1xCarbamidomethyl	-	-	0.738	0.917390049	1	2052.213044	3	684.7445679	2.975267747	69.41573501
													NLNEKDYELLCLDGTR	1	1	2xTMT6plex [N-Term; K5]; 1xCarbamidomethyl	-	-	0.668	1.909511685	1	2411.264081	3	804.4276733	1.819016659	71.47991759
													QQQHLFGSNVTDCSGNFCLFR	12	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.891	0.889	1.053	2.981095552	0	2744.287069	4	686.8265991	-0.911794416	75.638781
													DLLFKDSAHGFLK	3	1	3xTMT6plex [N-Term; K5; K13]	0.87	-	0.623	1.744419694	1	2178.288986	3	726.7686157	1.059394774	74.14923954
													EFQLFSSPHGKDLLFK	3	1	3xTMT6plex [N-Term; K11; K16]	1.694	1.529	-	1.064509749	1	2580.479306	3	860.8292847	-2.327194053	89.10077153
													KPVEEYANCHLAR	71	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	0.74	0.734	0.822	3.026869059	0	2045.10025	4	512.0306396	0.23385345	42.34984709
													DSGFQMNQLRGK	4	1	2xTMT6plex [N-Term; K12]	0.452	0.458	0.572	1.460385203	1	1838.994723	3	613.6696167	-0.231475566	50.11688607
													ASYLDCIR	10	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.579	0.576	0.621	1.445387006	0	1226.640074	2	613.822876	-1.303362664	54.67828364
													SKEFQLFSSPHGK	6	1	3xTMT6plex [N-Term; K2; K13]	1.425	1.403	1.391	2.034592628	1	2179.24785	4	545.5678101	0.716143588	56.92486768
													SVIPSDGPSVACVKK	1	1	3xTMT6plex [N-Term; K14; K15]; 1xCarbamidomethyl	-	0.434	-	1.282066584	1	2231.30365	3	744.4407349	1.793153452	60.7928884
													INHCRFDEFFSEGCAPGSK	2	1	2xTMT6plex [N-Term; K19]; 2xCarbamidomethyl	0.236	-	0.372	0.774191856	1	2716.301211	3	906.1051025	-0.16827766	66.51071384
													KSASDLTWDNLK	6	1	3xTMT6plex [N-Term; K1; K12]	1.103	1.205	1.099	1.438380003	1	2065.189666	2	1033.098633	0.156346415	65.16279818
													CGLVPVLAENYNK	7	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	0.834	0.856	0.813	1.937272191	0	1935.07739	3	645.6967773	-0.832534532	80.60362261
													EDPQTFYYAVAVVKK	4	1	3xTMT6plex [N-Term; K14; K15]	1.885	1.421	1.59	1.551115155	1	2445.399659	3	815.8002319	-5.527198456	88.96568619
													MDAKMYLGYEYVTAIR	2	1	2xTMT6plex [N-Term; K4]	3.422	3.028	-	1.633889437	1	2382.260181	3	794.758606	0.454845823	90.27842774
													AVANFFSGSCAPCADGTDFPQLCQLCPGCGCSTLNQYFGYSGAFK	4	1	2xTMT6plex [N-Term; K45]; 6xCarbamidomethyl	0.447	0.517	0.545	1.925234199	0	5446.423476	6	908.5761719	-0.519298584	99.73415039
													EDLIWELLNQAQEHFGKDK	5	1	3xTMT6plex [N-Term; K17; K19]	1.101	0.75	1.25	2.3609128	1	3000.639782	4	750.9151611	-0.322430821	101.6920278
													SCHTGLGR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.353	0.787558675	0	1116.578143	2	558.7926025	-0.191775091	20.45831627
													DKEACVHK	5	1	3xTMT6plex [N-Term; K2; K8]; 1xCarbamidomethyl	1.634	2.106	2.243	1.690223098	1	1673.961187	3	558.6583862	-0.347450465	30.56671031
													EGTCPEAPTDECKPVK	13	1	3xTMT6plex [N-Term; K13; K16]; 2xCarbamidomethyl	1.617	1.44	2.144	2.039651632	0	2505.293222	2	1253.14856	-1.348799951	46.51961433
													KASYLDCIR	1	1	2xTMT6plex [N-Term; K1]; 1xCarbamidomethyl	0.42	-	-	1.261426568	1	1583.897969	3	528.6372681	-0.453375656	50.93035963
													CSTSSLLEACTFRRP	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	0.39	0.671810269	1	2014.004746	3	672.0075073	1.600012444	56.01719369
													KCSTSSLLEACTFR	3	1	2xTMT6plex [N-Term; K1]; 2xCarbamidomethyl	0.682	0.678	0.631	2.076967001	1	2118.108766	3	706.7080688	0.418681506	56.40948997
													IECVSAETTEDCIAK	60	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl	1.083	1.134	1.114	3.246409178	0	2184.092842	2	1092.549072	-0.903637754	62.37837771
													DQYELLCLDNTR	13	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.314	0.33	0.413	2.400887012	0	1768.873715	3	590.296875	1.332282785	69.50056264
													SDNCEDTPEAGYFAVAVKK	4	1	3xTMT6plex [N-Term; K19; K20]; 1xCarbamidomethyl	0.972	0.911	0.981	2.620168447	1	2887.51147	3	963.1809692	5.847261566	76.83348305
													SAGWNIPIGLLYCDLPEPRKPLEK	1	1	3xTMT6plex [N-Term; K20; K24]; 1xCarbamidomethyl	-	1.324	-	1.235141635	1	3453.953529	4	864.2432251	-0.711688607	95.67583548
													NTYEKYLGEEYVK	1	1	3xTMT6plex [N-Term; K5; K13]	-	1.108	-	1.76834631	1	2323.278875	3	775.097229	-0.749448678	64.09691014
21361320	TFG	protein TFG isoform 1	2.5	1	3	1	400	43.421	5.1	1.479	-	-														
													LLSNDEVTIK	3	1	2xTMT6plex [N-Term; K10]	1.479	-	-	1.355807424	0	1589.951444	2	795.4795532	0.242652261	70.57657769
5730091	TFPI2	tissue factor pathway inhibitor 2 isoform 1 precursor	7.234042553	2	6	2	235	26.916	8.53	0.137	0.102	0.159														
													IPSFCYSPK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.082	0.075	0.122	1.272792578	0	1556.854707	3	519.6240234	1.804768606	71.75834871
													FFSGGCHR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.511	0.173	0.394	1.871089697	0	1196.583228	3	399.5326843	0.227095374	38.83589015
4507467	TGFBI	transforming growth factor-beta-induced protein ig-h3 precursor	37.77452416	19	65	19	683	74.634	7.71	1.279	1.224	1.257														
													LLGDAK	1	1	2xTMT6plex [N-Term; K6]	1.313	-	-	1.220697641	0	1074.692317	2	537.8499146	0.219571275	54.08042099
													NSLCIENSCIAAHDK	5	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl	1.338	-	1.202	1.651587248	0	2190.104744	3	730.7045898	-2.523805661	50.97438531
													STVISYECCPGYEK	6	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	1.245	1.398	1.382	1.399782062	0	2151.050249	2	1076.030029	1.177770604	56.88500757
													GDELADSALEIFK	6	1	2xTMT6plex [N-Term; K13]	1.32	1.358	1.344	2.033024788	0	1866.026065	2	933.5166626	-0.009005602	94.2967206

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													ADHHATNGVVHLIDK	3	1	2xTMT6plex [N-Term; K15]	1.552	1.386	1.537	1.432684898	0	2085.160542	4	522.0454102	-0.350776348	44.91902526
													YHIGDEILVSGGIGALVR	1	1	1xTMT6plex [N-Term]	1.605	-	-	0.943022788	0	2098.185805	3	700.0640869	-3.859171001	90.27592638
													VLTPPMGTVMDVLK	7	1	2xTMT6plex [N-Term; K14]	1.306	1.303	1.326	1.379664898	0	1959.142298	3	653.7193604	0.627751588	97.96363273
													VLTPPMGTVMDVLK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M6]	-	1.31	-	1.5377388	0	1975.137213	2	988.0681763	-4.119729447	92.83156438
													NNVVSVNK	4	1	2xTMT6plex [N-Term; K8]	1.276	1.306	1.355	1.625997424	0	1331.80472	2	666.4067383	1.110960547	44.02520478
													QHGPNVCAVQK	3	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	0.747	0.698	0.733	1.74591732	0	1695.93648	3	565.9836426	-0.062081113	43.89021928
													YLYHGQTLETLGGK	3	1	2xTMT6plex [N-Term; K14]	1.35	1.337	1.307	2.070870876	0	2038.137347	3	680.0507813	0.217531954	65.73662013
													DILATNGVIHYIDELLIPDSAK	1	1	2xTMT6plex [N-Term; K22]	1.389	-	-	1.201393604	0	2868.612281	3	956.8759766	0.381898072	103.4620524
													QAGLGNHLSGSER	5	1	1xTMT6plex [N-Term]	1.167	1.178	1.358	2.549655676	0	1554.818583	3	518.9440918	-0.553851995	27.95683735
													DGTPPIDAHTR	3	1	1xTMT6plex [N-Term]	1.478	1.389	1.422	1.802710414	0	1408.738208	3	470.2511902	0.574646614	30.94601962
													GCPAALPLSNLYETLGVVGSTTTQLYTDRTEK	4	1	2xTMT6plex [N-Term; K32]; 1xCarbamidomethyl	-	1.224	1.242	1.61159265	1	3914.062139	4	979.2696533	-1.368332581	100.8113336
													DLLNNHILK	1	1	2xTMT6plex [N-Term; K9]	-	1.563	-	1.400583148	0	1537.946633	3	513.3197632	-1.233592361	63.98242827
													EGVYTVFAPTNEAFR	3	1	1xTMT6plex [N-Term]	1.167	1.193	-	2.136270523	0	1929.990793	2	965.4978027	-1.276991195	78.55314873
													GCPAALPLSNLYETLGVVGSTTTQLYTDR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.063	1.085	1.071	2.594437361	0	3326.713973	3	1109.573608	-2.314841237	103.2022541
													FSMLVAAIQSAGLTETLNR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	1.063	1.135	1.390932202	0	2267.226684	3	756.4116211	-2.811165199	100.0409334
													ILGDPEALRDLLNNHILK	1	1	2xTMT6plex [N-Term; K18]	-	0.79	-	0.995412111	1	2502.480813	4	626.3758545	0.309544332	96.77304644
													QENESGYER	2	1	1xTMT6plex [N-Term]	-	0.827	0.686	1.6283499	0	1340.627989	2	670.817749	0.173655091	22.103175
39777597	TGM2	protein-glutamine gamma-glutamyltransferase 2 isoform a	10.77147016	6	13	6	687	77.28	5.22	1.062	0.956	0.995														
													ALLVEPVINSYLLAER	5	1	1xTMT6plex [N-Term]	1.025	1.149	0.952	2.295091867	0	2029.189493	3	677.0674438	-0.845109359	98.66196576
													DLYLENPEIK	3	1	2xTMT6plex [N-Term; K10]	-	1.096	0.947	1.598577619	0	1691.962009	3	564.6582642	-1.045797436	71.33468884
													LVVNFESDK	1	1	2xTMT6plex [N-Term; K9]	-	0.708	-	1.084864497	0	1508.872465	2	754.9412842	1.873086984	76.11277689
													VVTNYNSAHDQNSNLLIEYFR	2	1	1xTMT6plex [N-Term]	1.207	-	1.106	2.375287533	0	2726.373558	3	909.4581909	-4.965822109	79.99092595
													NEFGEIQGDK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.326	1.431342363	0	1594.847707	2	797.9280396	0.686743667	52.9993717
													SSPVYVGR	1	1	1xTMT6plex [N-Term]	-	-	0.953	0.901668429	0	1093.620325	2	547.3143311	0.970007004	36.23893423
4507483	THBD	thrombomodulin precursor	3.47826087	1	3	1	575	60.289	4.92	0.951	0.821	0.82														
													SSVAADVISLLLNGDGGVGR	3	1	1xTMT6plex [N-Term]	0.951	0.821	0.82	2.429970741	0	2129.176362	3	710.3972778	0.431183677	104.3863072
40317626	THBS1	thrombospondin-1 precursor	50.68376068	44	155	42	1170	129.3	4.94	1.303	1.281	1.281														
													TNYIGHK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.829	0.537982821	0	1290.757042	3	430.9236145	-0.582366872	33.64727162
													CNYLGHYSDPMYR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M11];	-	1.435	1.32	1.108346224	0	1920.85702	3	640.9580078	1.275772988	44.69182696
													DTDMDGVGDQCDNCPLEHNPDQLDSDSDR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M4];	2.069	1.029	1.957	1.666467786	0	3565.422314	3	1189.144653	-0.815294461	48.10451379
													QVTQSYWDTNPTR	4	1	1xTMT6plex [N-Term]	1.153	1.182	0.993	1.61138773	0	1824.907792	2	912.956604	-1.019619838	51.45286886
													AQGYSGLSVK	4	1	2xTMT6plex [N-Term; K10]	1.22	1.179	1.197	1.877483845	0	1467.85715	3	489.9564819	-1.537785349	51.62537878
													FTGSQPFGQGVEHATANK	3	1	2xTMT6plex [N-Term; K18]	1.247	1.202	1.244	1.317084908	0	2334.224264	3	778.7459717	-0.386728453	53.85642671
													SITLFVQEDR	1	1	1xTMT6plex [N-Term]	-	-	1.258	0.847407281	0	1436.79466	2	718.9005127	-0.634223804	71.87467108
													MENAELDVPIQSVFTR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	0.63	1.812	1.891	1.631212354	0	2094.073871	3	698.6956177	-0.750514429	83.80330148
													SCDSLNNR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.288	1.349706054	0	1194.573451	2	597.7910156	1.091251441	23.48037721
													DCVGDVTENQICNK	9	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	1.25	1.179	1.302	1.809849381	0	2110.03091	3	704.0141602	-1.413638651	51.3620295
													GGVNDNFQGVLQNVR	6	1	1xTMT6plex [N-Term]	1.518	1.407	1.432	2.594040871	0	1845.976875	2	923.491333	-0.804622417	67.1647086
													TIVTTLQDSIRK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.765	1.242914557	1	1833.120969	3	611.711792	-0.079712927	69.97286977
													AGTLDLSLTVQGK	4	1	2xTMT6plex [N-Term; K13]	1.31	-	1.366	1.577989101	0	1761.052221	2	881.0296021	-0.166450736	77.62916432
													GDACDHDDDNDGIPDDK	3	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	-	1.462	1.467	1.718606591	0	2332.003568	2	1166.50415	-1.090996937	40.1323436
													QHVVSVEEALLATGQWK	11	1	2xTMT6plex [N-Term; K17]	1.352	1.331	1.418	1.92615068	0	2353.328001	3	785.1165161	2.971876355	88.71702896
													DGIGDACDDDDDNDK	10	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.196	1.24	1.129	2.847330332	0	2097.891893	3	699.9689941	0.255695671	42.0650141
													DNCQYVYNVDQR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.08	1.08	1.037	1.802279234	0	1802.832913	3	601.6170654	2.069026495	43.86433804
													CENTDPGYNCLPCPPR	3	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	1.484	-	1.501	1.152473211	0	2178.95681	3	726.9910889	0.873482923	51.58558835
													LCNNPTPQFGGK	2	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.038	-	-	0.986111462	0	1790.96236	2	895.9850464	0.254630386	56.42673609
													IMADSGPIYDK	7	1	2xTMT6plex [N-Term; K11]	1.132	1.164	1.204	2.567132235	0	1667.907865	3	556.6405029	-0.545066641	65.88460525
													IMADSGPIYDK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M2]	1.218	-	-	0.819889426	0	1683.90278	2	842.4537354	-1.535466837	56.87094058
													FQDLVDAVR	3	1	1xTMT6plex [N-Term]	-	1.444	1.48	1.115262508	0	1291.720767	2	646.364563	0.83800353	77.71682124
													IEDANLIPPVPDDK	5	1	2xTMT6plex [N-Term; K14]	1.461	1.438	1.339	1.277017355	0	1994.121028	2	997.5592651	-4.901751911	82.16868255
													EVPDACFNHNGEHR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.277	1.126	1.106	1.856723547	0	1910.876509	3	637.6296997	-1.027370893	42.9481671
													DNCPNLPNSGQEDYDK	6	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.358	1.377	1.406	1.677564979	0	2324.08651	3	775.3655396	-1.912496646	48.25388843
													CEGSSVQTR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.194	-	1.415836692	0	1252.615316	2	626.8109741	-0.514290225	21.20939162
													NPCTDGTHDCNK	1	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	-	-	1.04	1.211763144	0	1876.868202	3	626.2949219	1.071159391	24.02872321
													TCHIQECDK	5	1	2xTMT6plex [N-Term; K9]; 2xCarbamidomethyl	1.408	1.15	1.204	1.965744853	0	1648.818733	2	824.9138794	1.061037837	28.85526365
													GPDPSSPAFR	1	1	1xTMT6plex [N-Term]	-	-	0.794	0.658081353	0	1259.658167	2	630.3321533	-0.902331605	44.26528759
													DLASIAR	1	1	1xTMT6plex [N-Term]	1.31	-	-	1.577646375	0	974.5832109	2	487.7951965	-0.096937432	48.62630178
													DHSGQVFSVVSNGK	8	1	2xTMT6plex [N-Term; K14]	1.479	1.319	1.462	1.773181319	0	1919.038696	3	640.352417	2.085406913	57.37048744
													FVFGTTPEDILR	6	1	1xTMT6plex [N-Term]	1.41	1.452	1.546	1.962312222	0	1623.894374	2	812.4505005	-0.400058925	93.65328892
													DSDGDGRGDACK	5	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.825	1.954	2.31	1.801435709	1	1710.811733	3	570.9418945	-0.352052911	24.25516054
													GTSQNDPNWVVR	4	1	1xTMT6plex [N-Term]	1.14	1.213	1.309	1.446484685	0	1601.823334	3	534.6113281	-2.436713785	46.05969337
													CTSYPDGSWK	5	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.421	1.362	1.405	2.007359505	0	1658.824864	2	829.9157104	-0.433657331	57.2522115
													IGDTCDNNQDIDEDGHQNNLDNCPYVPNANQADHDK	2	1	2xTMT6plex [N-Term; K36]; 2xCarbamidomethyl	1.656	-	1.556	1.248709202	0	4584.006444	4	1146.754639	-2.120329153	53.51662221
													AQLYIDCEK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	1.489	0.877772868	0	1597.866	3	533.2937012	0.344256418	61.46400718
													DLQAICGISCDELSSMVLELR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M16];	-	1.843	-	0.769267201	0	2654.30369	3	885.4400635	0.733582105	94.24140449
													RFQMIPLDPK	2	1	2xTMT6plex [N-Term; K10]	-	1.038	1.09	1.264759541	1	1703.007854	3	568.3410034	0.354357677	72.10384395
													TIVTTLQDSIR	1	1	1xTMT6plex [N-Term]	-	0.746	-	0.861755729	0	1475.863074	2	738.4348145	-0.488936787	73.7855351
													LSHRPK	1	1	2xTMT6plex [N-Term; K6]	-	1.413	-	0.747511804	0	1195.767547	3	399.2607422	0.105532635	25.18758067
													IPESGGDNSVFDIFELTGAAR	1	1	1xTMT6plex [N-Term]	-	1.664	-	1.0230937	0	2424.224434	2	1212.613403	-2.02309213	99.29470269
													CGACPPGYSGNGIQCTDVDECK	1	1	2xTMT6plex [N-Term; K22]; 4xCarbamidomethyl	-	-	2.241	2.235899925	0	2903.283255	3	968.4333496	0.771756638	52.56687185
													NALWHTGNTPGQVR	2	2	1xTMT6plex [N-Term]	1.089	-	0.923	1.20184195	0	1779.945181	2	890.4747925	-1.61375142	43.43851786
													DDDYAGFVFGYQSSSR	1	2	1xTMT6plex [N-Term]	0.985	-	-	1.189083815	0	2042.929315	2	1021.968689	0.384756184	76.98570027

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
40317628	THBS2	thrombospondin-2 precursor	8.61774744	8	13	6	1172	129.908	4.83	0.555	0.434	0.492														
													ACVGDVQER	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	0.441	0.441	1.255165577	0	1262.636051	2	631.8226929	1.629790457	30.53054254
													ACQGAPCPIDGR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.549	0.514	0.705	1.37810266	0	1530.735448	2	765.869812	-2.025546979	35.9539129
													VLVHEGK	1	1	2xTMT6plex [N-Term; K7]	-	0.422	-	0.716009259	0	1239.782528	3	413.9318237	-1.29901701	38.63446647
													RPEVCER	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.773	-	-	0.777782679	0	1174.620007	3	392.2119751	1.161799527	22.06856374
													HVVSLEDVGLADSQWK	2	1	2xTMT6plex [N-Term; K16]	0.483	-	0.549	2.118647575	0	2241.227953	3	747.7449341	-3.437371864	76.38052907
													GLLQNVHLVFENSVEDILSK	1	1	2xTMT6plex [N-Term; K20]	-	1.078	-	1.340237021	0	2712.533637	3	904.8465576	-3.139927307	101.1847398
													NALWHTGNTPGQVR	2	2	1xTMT6plex [N-Term]	1.089	-	0.923	1.20184195	0	1779.945181	2	890.4747925	-1.61375142	43.43851786
													DDDYAGFVFGYQSSSR	1	2	1xTMT6plex [N-Term]	0.985	-	-	1.189083815	0	2042.929315	2	1021.968689	0.384756184	76.98570027
4507491	THOP1	thimet oligopeptidase	8.272859216	6	10	6	689	78.789	6.05	1.042	0.886	1.172														
													QEGVLNSK	2	1	2xTMT6plex [N-Term; K8]	1.037	-	1.089	1.249139547	0	1332.788736	2	666.897522	-0.726750355	41.19859421
													TSQTVATFLDELAQK	2	1	2xTMT6plex [N-Term; K15]	0.987	-	1.158	1.542110801	0	2110.179606	3	704.0635376	-1.680538008	98.57667116
													DAASGEVVGK	2	1	2xTMT6plex [N-Term; K10]	1.15	1.222	-	1.535018802	0	1390.794215	2	695.9008789	0.191259424	41.98966627
													YPHYFPLLK	1	1	2xTMT6plex [N-Term; K9]	-	0.736	-	1.126609683	0	1635.966306	3	545.9943848	1.402649227	75.96097856
													TASTEADK	2	1	2xTMT6plex [N-Term; K8]	-	1.252	1.294	1.968836665	0	1280.709817	2	640.8588257	0.435584377	26.16719831
													ETQENIK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.185	1.343656182	0	1319.757101	2	660.3828125	0.944825376	34.1676461
42476024	THUMPD1	THUMP domain-containing protein 1	8.21529745	3	6	3	353	39.291	7.88	1.018	0.984	1.03														
													SDQNNTAEGK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.03	1.261291146	0	1521.790921	2	761.3986206	-0.628226289	22.51154499
													YAETFLEPWFK	4	1	2xTMT6plex [N-Term; K11]	1.018	0.97	-	1.968148112	0	1889.024943	2	945.0151978	-0.965790417	97.74798954
													YNLQEVVK	1	1	2xTMT6plex [N-Term; K8]	-	1.022	-	1.435864091	0	1450.866986	2	725.9370117	-0.165013404	67.30845425
9966849	TIGAR	fructose-2,6-bisphosphatase TIGAR	22.59259259	4	10	4	270	30.043	7.69	1.105	1.095	1.176														
													SLFDYFLTDLK	3	1	2xTMT6plex [N-Term; K11]	1.105	1.161	-	2.439898014	0	1820.024609	2	910.5157471	-0.215051694	103.2402719
													CSLPATLSR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.156	-	1.084330916	0	1233.682273	2	617.3433838	-2.255266153	50.03690229
													IIQGQGVDEPLSETGFK	5	1	2xTMT6plex [N-Term; K17]	1.102	0.977	1.176	2.081808329	0	2276.253833	3	759.4240112	1.602264806	80.02914464
													EQFSQGSPSNCLETSLAEIFPLGK	1	1	2xTMT6plex [N-Term; K24]; 1xCarbamidomethyl	-	1.056	-	0.885297894	0	3097.591622	3	1033.200562	-1.449739099	100.2519954
4507509	TIMP1	metalloproteinase inhibitor 1 precursor	42.02898551	6	23	6	207	23.156	8.1	0.824	0.773	0.819														
													LQSGTHCLWTDQLLQGSEK	2	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	0.758	0.673	-	1.063784122	0	2659.391406	3	887.1374512	2.404289045	74.78273982
													TYTVGCEECTVFPCLSIPCK	2	1	2xTMT6plex [N-Term; K20]; 4xCarbamidomethyl	0.933	1.01	-	0.828294992	0	2879.385201	3	960.4664307	-0.160509199	92.04520384
													EPGLCTWQSLR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.905	1.659121037	0	1575.815078	3	525.9434204	0.399666482	65.47033164
													GFQALGDAADIR	7	1	1xTMT6plex [N-Term]	0.738	0.716	0.753	2.074847698	0	1462.785158	3	488.2669067	0.689783348	68.39434157
													SEEFLIAGK	5	1	2xTMT6plex [N-Term; K9]	0.851	0.872	0.863	1.925298095	0	1451.851002	2	726.4296875	0.755297891	67.18252594
													FVYTPAMESVCGYFHR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.834	0.827	0.839	2.552147865	0	2193.045883	3	731.6867676	-0.06066705	87.03596745
4507511	TIMP2	metalloproteinase inhibitor 2 precursor	24.09090909	4	9	4	220	24.383	7.49	1.307	1.277	1.436														
													YQMGCECK	1	1	2xTMT6plex [N-Term; K8]; 2xCarbamidomethyl	1.246	-	-	0.816123545	0	1533.726412	2	767.3671875	0.447302723	40.34722101
													DIEFIYTAPSSAVCGVSLDVGGK	2	1	2xTMT6plex [N-Term; K23]; 1xCarbamidomethyl	-	0.999	0.919	1.515934348	0	2843.490117	3	948.5003662	-1.256138422	96.16216691
													EVDSGNDIYGNPIK	4	1	2xTMT6plex [N-Term; K14]	1.333	1.213	1.25	1.631063581	0	1979.048592	2	990.0283813	0.451937015	64.21688224
													NINGHQAK	2	1	2xTMT6plex [N-Term; K8]	-	1.489	1.568	1.692677975	0	1339.784654	3	447.2659912	-0.920489113	23.63224524
11545918	TINAGL1	tubulointerstitial nephritis antigen-like isoform 1 precursor	13.91862955	5	15	5	467	52.353	6.99	0.906	1.072	1.023														
													YCQEQDLCCR	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	-	1.273	0.912428379	0	1660.707913	2	830.8560181	-1.898790969	35.3286192
													ELAPGLHLR	3	1	1xTMT6plex [N-Term]	0.994	0.987	1.025	1.895746231	0	1234.746922	3	412.2536926	-0.321919523	52.74066743
													GVNECDIESFVLGVWGR	7	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.748	1.206	1.294	2.683251381	0	2166.085105	2	1083.546021	-0.15711496	101.0430545
													ITGWGEETLPDGR	3	1	1xTMT6plex [N-Term]	1.026	1.257	0.579	0.781246603	0	1659.853966	2	830.4330444	2.919869632	67.51393144
													GGIYSHTPVSLGRPER	1	1	1xTMT6plex [N-Term]	0.956	-	-	0.686437726	0	1955.066024	4	489.5216064	-0.730481085	41.97284895
23097250	TIPRL	TIP41-like protein isoform 1	11.39705882	3	7	3	272	31.424	5.91	1.125	1.15	1.037														
													IDPNPADSQK	2	1	2xTMT6plex [N-Term; K10]	1.251	1.22	-	2.026094675	0	1542.852793	2	771.9292603	-1.003817211	46.17140352
													VVPTTDHIDTEK	4	1	2xTMT6plex [N-Term; K12]	1.055	1.188	1.037	1.353347301	0	1813.01075	2	907.0096436	0.695417485	49.09751865
													GTLLGESLK	1	1	2xTMT6plex [N-Term; K9]	-	0.992	-	1.055601239	0	1375.856087	2	688.4317017	0.028709625	67.48473272
282165810	TJP2	tight junction protein ZO-2 isoform 3	1.392301392	1	1	1	1221	137.258	8.05	0.88	-	-														
													SNPSAVAGNETPGASTK	1	1	2xTMT6plex [N-Term; K17]	0.88	-	-	1.051497579	0	2046.086768	3	682.7002563	-0.269894239	41.90899773
164698438	TK1	thymidine kinase, cytosolic	16.66666667	3	7	3	234	25.452	8.51	4.364	3.752	4.465														
													KPFGAILNLVPLAESVVK	3	1	3xTMT6plex [N-Term; K1; K18]	3.766	3.866	4.674	1.389774442	0	2582.625242	3	861.5465698	-0.033201621	103.0071558
													ASGQPAGPDNK	3	1	2xTMT6plex [N-Term; K11]	5.037	4.286	4.186	1.273316383	0	1499.821827	2	750.4133911	-1.547699464	29.51067458
													EVEVIGGADK	1	1	2xTMT6plex [N-Term; K10]	-	2.639	-	1.93712461	0	1474.85173	2	737.9280396	-1.984978136	56.59773667
384475521	TKT	transketolase isoform 2	44.2155309	19	108	19	631	68.77	7.52	1.356	1.49	1.352														
													HQPTAIIAK	6	1	2xTMT6plex [N-Term; K9]	1.595	1.559	1.536	1.971356392	0	1436.898955	3	479.6378174	-0.039106133	42.75351666
													IIALDGDTK	4	1	2xTMT6plex [N-Term; K9]	1.201	1.138	1.042	1.764877796	0	1403.851002	2	702.430603	2.085431206	64.28031702
													QAFTDVATGSLGQGLGAACGMAYTGK	1	1	2xTMT6plex [N-Term; K26]; 1xOxidation [M21];	-	-	1.296	1.30954206	0	3006.506513	4	752.3798218	-3.011941131	83.37732636
													TVPFCSTFAAFFTR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.278	1.56	1.473	1.882160783	0	1880.956657	2	940.980957	-1.073659775	99.23157726
													NPHNDRFVLSK	2	1	2xTMT6plex [N-Term; K11]	2.128	2.164	-	1.250575662	1	1785.017173	4	447.0102539	1.127818282	41.93452565
													GITGVEDK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.539	0.579405487	0	1276.751288	2	638.8796387	0.55838107	45.83751534
													AYGQALAK	4	1	2xTMT6plex [N-Term; K8]	0.898	1.521	0.771	1.411696672	0	1279.777443	2	640.3921509	-0.326542861	46.65328178
													MPSLPSYK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.236	0.75748843	0	1380.79613	2	690.9016724	-0.044498559	66.83497887
													LDNLVAILDINR	9	1	1xTMT6plex [N-Term]	1.488	1.517	1.432	2.071423054	0	1597.947472	3	533.3210449	0.694219081	99.8207764
													NMAEQIIQEIYSQIQSK	12	1	2xTMT6plex [N-Term; K17]	1.452	1.53	1.482	2.687090874	0	2481.342331	4	621.0908203	-0.354348527	105.9516996
													NMAEQIIQEIYSQIQSK	4	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M2]	1.209	1.269	1.297	3.483613253	0	2497.337246	4	625.0888672	-1.444242265	101.7519039
													ISSDLDGHPVPK	4	1	2xTMT6plex [N-Term; K12]	-	1.66	1.643	1.81468153	0	1722.979056	3	574.9981689	0.521118312	50.99414896
													LGQSDPAPLQHQMDIYQK	3	1	2xTMT6plex [N-Term; K18]	1.51	1.589	1.56	1.536954045	0	2527.337914	3	843.1170044	-0.575323307	68.29996206
													LGQSDPAPLQHQMDIYQK	2	1	2xTMT6plex [N-Term; K18]; 1xOxidation [M13]	1.351	1.124	-	1.258888125	0	2543.332829	3	848.4499512	0.971676061	61.95742946
													TSRPENAIIYNNNEDFQVGQAK	9	1	2xTMT6plex [N-Term; K22]	1.493	1.579	1.485	2.382468462	0	2966.537218	3	989.5151367	-2.144424048	57.77431177
													MFGIDRDAIAQAVR	4	1	1xTMT6plex [N-Term]	1.156	1.3	1.284	2.489069462	1	1791.973704	3	597.9951782	-1.519136149	71.48218411
													MFGIDRDAIAQAVR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M1]	-	-	1.692	0.456905246	1	1807.968619	3	603.3282471	0.867985717	62.66901371
													AVELAANTK	5	1	2xTMT6plex [N-Term; K9]	1.377	1.324	1.42	1.727994561	0	1374.835686	2	687.9212036	-0.404050784	51.25977386

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SVPTSTVFYPSDGVATEK	8	1	2xTMT6plex [N-Term; K18]	1.395	1.445	1.476	2.645689011	0	2343.248414	2	1172.124512	-2.84506434	73.93192097
													ILATPPQEDAPSVDIANIR	14	1	1xTMT6plex [N-Term]	1.375	1.379	1.4	2.099634171	0	2249.233877	4	563.0631714	-1.343280997	86.26756514
													DDQVTVIGAGVTLHEALAAAELLK	9	1	2xTMT6plex [N-Term; K24]	1.196	1.125	1.067	3.453847647	0	2892.644644	3	964.8862305	-0.17474796	101.4088425
													CEAFGWHAIIVDGHSVEELCK	2	1	2xTMT6plex [N-Term; K21]; 2xCarbamidomethyl	-	1.514	1.536	1.651031494	0	2915.45844	4	729.619873	-0.266847398	79.93215699
205360930	TLDC1	TLD domain-containing protein 1	1.754385965	1	1	1	456	50.961	6.24	-	1.244	-														
													EAPGPNPR	1	1	1xTMT6plex [N-Term]	-	1.244	-	0.934961915	0	1066.584274	2	533.7954712	-0.569816378	26.13841049
223029410	TLN1	talin-1	18.29988194	35	87	35	2541	269.599	6.07	1.429	1.511	1.512														
													GAAAHPDSEEQQQR	9	1	1xTMT6plex [N-Term]	1.739	1.742	1.792	1.505246043	0	1752.846254	3	584.9533691	-0.399514859	17.33130732
													SQLAAAAR	1	1	1xTMT6plex [N-Term]	0.788	-	-	1.630116582	0	1016.605009	2	508.8066101	0.919349045	28.79368056
													CTQDLGNSTK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.46	1.508	-	1.367659092	0	1581.830677	2	791.4194946	0.654537699	34.80196164
													VSHVLAALQAGNR	1	1	1xTMT6plex [N-Term]	1.558	-	-	1.444347262	0	1564.91209	3	522.3096313	1.438427745	58.70386435
													ADQDSEAMK	1	1	2xTMT6plex [N-Term; K9]	-	1.784	-	1.260068297	0	1452.740465	2	726.875061	1.638572319	33.32341459
													LNEAAAGLNQAATELVQASR	3	1	1xTMT6plex [N-Term]	1.271	1.458	1.482	1.958980799	0	2256.214539	3	752.7386475	-5.828079273	91.46870398
													ILAQATSDLVNAIK	4	1	2xTMT6plex [N-Term; K14]	1.446	1.473	1.554	2.119387388	0	1915.162834	3	639.0596313	0.786963355	97.67526186
													TLAESALQLLYTAK	8	1	2xTMT6plex [N-Term; K14]	1.385	1.485	1.473	1.898822188	0	1980.178149	2	990.5932617	0.554241799	100.0994225
													AATAPLLEAVDNLSAFASNPEFSSIPAQISPEGR	2	1	1xTMT6plex [N-Term]	1.153	-	1.24	1.942804098	0	3699.906735	4	925.7319946	-0.158491664	104.9543854
													GVGAAATAVTQALNELLQHVK	5	1	2xTMT6plex [N-Term; K21]	1.345	1.41	1.344	1.932721972	0	2549.481542	3	850.4991455	0.526218141	106.1649423
													AEASQLGHK	1	1	2xTMT6plex [N-Term; K9]	1.459	-	-	1.883366942	0	1398.810534	3	466.9416809	-0.031823746	31.17357744
													CVSCLPGQR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	2.283	-	-	0.697073758	0	1305.660492	2	653.3340454	0.24658042	39.47810537
													VLVQNAAGSQEK	2	1	2xTMT6plex [N-Term; K12]	1.643	1.578	-	2.027810097	0	1701.989955	2	851.4988403	0.263987494	48.0217351
													EADESLNFEEQILEAAK	1	1	2xTMT6plex [N-Term; K17]	0.803	-	-	1.292301893	0	2394.244056	3	798.7531738	0.380869433	93.57095617
													AVSSAIAQLLGEVAQGNENYAGIAAR	3	1	1xTMT6plex [N-Term]	1.413	1.662	1.866	2.778069973	0	2802.494736	3	934.8391724	2.935944799	102.123443
													ISIGNVVK	2	1	2xTMT6plex [N-Term; K8]	-	1.228	1.287	1.610474586	0	1287.840043	2	644.4252319	2.441271495	67.59863892
													NLGTALAELR	2	1	1xTMT6plex [N-Term]	-	1.368	1.321	1.276378512	0	1286.762966	2	643.8855591	0.680392649	71.69262787
													EVIQEWNLTNIK	2	1	2xTMT6plex [N-Term; K12]	1.145	-	0.991	1.530587792	0	1945.115883	3	649.0438843	0.625223434	87.17111568
													AVAEQIPLLVQGVR	4	1	1xTMT6plex [N-Term]	1.149	1.123	1.032	1.463770986	0	1722.047521	2	861.5288696	1.70848236	88.50129951
													LLAALLEDEGGSGRPLLQAAK	2	1	2xTMT6plex [N-Term; K21]	1.252	1.391	-	1.306952	0	2580.512507	3	860.8426514	0.346214777	95.76175095
													ALGDLISATK	2	1	2xTMT6plex [N-Term; K10]	1.54	1.399	-	1.135990024	0	1446.893201	3	482.9685974	-1.355983752	78.92875671
													GLAGAVSELLR	1	1	1xTMT6plex [N-Term]	1.319	-	-	0.949464142	0	1314.794266	2	657.9009399	0.256392062	90.03685369
													VAGSVTELIQAAEAMK	3	1	2xTMT6plex [N-Term; K16]	2.108	2.058	3.67	1.825737238	0	2076.177497	3	692.7303467	-0.486736292	100.6908523
													RASDNLVK	2	1	2xTMT6plex [N-Term; K8]	2.139	1.941	-	1.998803139	1	1360.831269	3	454.2816772	-0.581234233	32.30069581
													AGALQCSPSDAYTK	3	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	0.976	1.25	1.078	1.82328558	0	1926.999533	3	643.0040894	-0.943717714	51.13763848
													ALDGAFTEENR	2	1	1xTMT6plex [N-Term]	1.483	1.888	-	1.268572211	0	1451.732788	2	726.369751	-0.387589837	51.84806826
													AQVVSNLK	2	1	2xTMT6plex [N-Term; K8]	-	1.662	1.714	1.411871433	0	1316.830207	2	658.9176636	-1.637509188	52.44695233
													GIWLEAGK	2	1	2xTMT6plex [N-Term; K8]	1.28	-	1.225	1.572377205	0	1331.808743	2	666.4096069	2.398307718	70.40466485
													VGDDPAVWQLK	1	1	2xTMT6plex [N-Term; K11]	1.947	-	-	1.279347062	0	1685.962677	2	843.4830933	-2.234638176	78.89560847
													GVAALTSDPAVQAIVLDTASDVLDK	5	1	2xTMT6plex [N-Term; K25]	1.658	1.598	1.87	2.914568901	0	2927.634138	4	732.6639404	-0.070579601	104.4520383
													SAQPASAEPR	1	1	1xTMT6plex [N-Term]	-	-	0.947	0.974602044	0	1242.66398	2	621.8360596	0.693864664	22.51756541
													AVEDEATK	2	1	2xTMT6plex [N-Term; K8]	-	1.557	1.581	1.008290172	0	1320.741117	2	660.8748779	1.031412862	34.09894497
													AVTQALNR	2	1	1xTMT6plex [N-Term]	-	1.58	1.519	1.659135103	0	1101.657773	2	551.3337402	2.206727724	39.50505915
													EVANSTANLVK	2	1	2xTMT6plex [N-Term; K11]	-	1.533	1.501	1.572476745	0	1603.941942	2	802.4746704	0.07621243	54.53839849
													SIAAATSALVK	1	1	2xTMT6plex [N-Term; K11]	-	1.326	-	1.230624795	0	1489.9354	3	497.3178406	2.394988746	73.36241158
7705431	TMA7	translation machinery-associated protein 7	25	2	2	2	64	7.062	9.99	-	-	1.589														
													EMDEEDK	1	1	2xTMT6plex [N-Term; K7]	-	-	3.09	1.157920957	0	1353.660818	2	677.3341064	0.087548242	34.1245231
													GPLATGGIK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.637	0.688911557	0	1271.808743	2	636.40802	0.015929331	55.64539728
30089935	TMEM132A	transmembrane protein 132A isoform a precursor	0.78125	1	3	1	1024	110.128	5.62	1	1.083	1.138														
													GCHLQYQR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1	1.083	1.138	1.804029226	0	1290.657455	3	430.8903809	-0.671101283	35.45399781
281182571	TMEM135	transmembrane protein 135 isoform 1	5.021834061	1	1	1	458	52.256	9.45	1.679	-	-														
													NLDDELHAIIAGFLAGISMMFYK	1	1	2xTMT6plex [N-Term; K23]; 2xOxidation [M19; M20]	1.679	-	-	0.457968891	0	3059.598622	2	1530.303101	0.098797886	76.15107274
573014782	TMEM161B	transmembrane protein 161B isoform 1	3.984063745	1	1	1	502	56.913	7.66	-	2.411	-														
													MGVIGIQLVVTMVMASVMQK	1	1	2xTMT6plex [N-Term; K20]; 2xOxidation [M14; M18]	-	2.411	-	0.977080166	0	2625.4616	3	875.8267822	1.597044758	98.41785227
7657649	TMOD3	tropomodulin-3	9.943181818	4	4	4	352	39.57	5.19	-	1.01	0.87														
													AANAITK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.802	1.050166965	0	1146.724679	2	573.8659058	-0.125859821	38.61053554
													FGYQFTQQGPR	1	1	1xTMT6plex [N-Term]	-	-	1.124	1.049525142	0	1557.801142	2	779.4050903	1.130859398	62.13531406
													ALETNTHVK	1	1	2xTMT6plex [N-Term; K9]	-	-	0.882	1.046853662	0	1470.868049	3	490.9611206	0.516522476	36.78347204
													NIPIPTLK	1	1	2xTMT6plex [N-Term; K8]	-	1.01	-	1.118045449	0	1353.886993	2	677.4463501	-1.159538939	78.51329519
4507555	TMPO	thymopoietin isoform alpha	8.645533141	4	5	4	694	75.446	7.66	-	0.634	0.829														
													DDLDVTELTNEDLLDQLVK	2	1	2xTMT6plex [N-Term; K19]	-	0.634	0.68	2.105405807	0	2646.412578	3	882.8088989	-0.164196868	99.7322311
													SELVANNVTLPAGEQR	1	1	1xTMT6plex [N-Term]	-	-	1.303	0.917065978	0	1927.04462	3	643.0195313	-0.300636526	59.42855413
													NRPPLPAGTNSK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.85	0.883682728	0	1710.006274	3	570.6726685	-1.649946523	40.83627517
													YGVNPGPIVGTTR	1	1	1xTMT6plex [N-Term]	-	-	0.649	1.604210258	0	1559.874307	3	520.6297607	0.27033368	60.71864858
10863895	TMSB10	thymosin beta-10	31.81818182	2	4	2	44	5.023	5.36	1.028	-	1.053														
													ETIEQEK	3	1	2xTMT6plex [N-Term; K7]	1.028	-	0.999	1.915092707	0	1334.756767	2	667.8813477	-1.010204655	35.71869528
													KTETQEK	1	1	3xTMT6plex [N-Term; K1; K7]	-	-	1.175	1.179816604	1	1550.935683	2	775.9721069	0.80838116	25.38666391
153946395	TNC	tenascin precursor	7.905497501	12	16	12	2201	240.7	4.89	0.706	0.689	0.795														
													AVDIPGLK	1	1	2xTMT6plex [N-Term; K8]	-	0.722	-	1.768849015	0	1270.813494	2	635.9103394	-0.072472525	71.8035947
													WQPAIATVDSYVISYTGEK	1	1	2xTMT6plex [N-Term; K19]	0.717	-	-	1.90416348	0	2586.385576	3	862.7992554	-0.913536149	97.28633209
													VPGDQTSTIIQELEPGVEYFIR	1	1	1xTMT6plex [N-Term]	0.683	-	-	1.24393189	0	2720.434427	3	907.4832764	0.311994862	100.7041714
													YAPISGGDHAEVDVPK	1	1	2xTMT6plex [N-Term; K16]	-	-	0.737	0.593023121	0	2113.13299	3	705.050415	1.751852441	56.08165188
													RGDMSSNPAK	1	1	2xTMT6plex [N-Term; K10]; 1xOxidation [M4]	-	0.653	-	1.295223594	1	1536.820447	3	512.9453735	0.728963147	31.41577676
													APTAQVESFR	1	1	1xTMT6plex [N-Term]	-	0.75	-	0.940565526	0	1334.726581	2	667.8655396	-2.081353948	49.01616913
													LDAPSQIEVK	3	1	2xTMT6plex [N-Term; K10]	0.707	0.693	0.714	1.769085288	0	1557.925229	3	519.9793091	-1.190881225	65.1901042

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													VATYLPAPEGLK	2	1	2xTMT6plex [N-Term; K12]	0.663	0.641	-	1.483081222	0	1717.030029	3	573.0144043	-0.79733572	79.13658706
													LEELENLVSSLR	2	1	1xTMT6plex [N-Term]	0.98	-	0.847	1.363464832	0	1630.921317	2	815.9613647	-3.59556758	100.7421033
													TTLTGLRPGTEYGIGVSAVK	1	1	2xTMT6plex [N-Term; K20]	0.715	-	-	1.769082308	0	2478.433195	3	826.8150024	-1.105725096	73.72131557
													TVSGNTVEYALTDLEPATEYTLR	1	1	1xTMT6plex [N-Term]	-	-	0.8	1.934743524	0	2772.414085	3	924.8104248	0.950678355	94.04607659
													TPVLSAEASTAK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.103	1.322608352	0	1632.957258	2	816.9830322	0.93706257	54.78101721
7706186	TNFRSF12A	tumor necrosis factor receptor superfamily member 12A precursor	13.95348837	2	2	2	129	13.902	8.95	-	2.576	1.503														
													CMDCASCR	1	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	-	1.503	0.755648375	0	1288.510399	2	644.7589722	0.208369244	25.41615594
													GSSWSADLDK	1	1	2xTMT6plex [N-Term; K10]	-	2.576	-	1.062549233	0	1523.810593	2	762.4094849	0.721629425	61.63418897
4507575	TNFRSF1A	tumor necrosis factor receptor superfamily member 1A precursor	1.758241758	1	1	1	455	50.462	6.64	-	0.861	-														
													DSVCPQGK	1	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	-	0.861	-	1.079994559	0	1348.729507	2	674.8672485	-1.695202541	43.30171638
7657039	TNFRSF21	tumor necrosis factor receptor superfamily member 21 precursor	1.526717557	1	2	1	655	71.799	7.83	1.156	1.025	-														
													ATGQVLTCDK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.156	1.025	-	1.250972986	0	1550.861249	2	775.9348755	0.79001043	46.72621122
4507585	TNFRSF6B	tumor necrosis factor receptor superfamily member 6B precursor	19	4	12	4	300	32.658	8.24	0.356	0.402	0.374														
													LLQALEAPEGWGPTPR	3	1	1xTMT6plex [N-Term]	0.386	0.399	0.372	2.262052059	0	1964.080277	3	655.364624	-0.487917779	93.84248609
													LTELLGAQDGALLVR	6	1	1xTMT6plex [N-Term]	0.34	0.357	0.361	2.327411413	0	1798.063564	3	600.0239868	-3.42438994	95.35575877
													AVIDFVAFQDISIK	2	1	2xTMT6plex [N-Term; K14]	-	0.403	0.424	1.908001661	0	2024.183235	3	675.3984375	-1.222947586	100.5173476
													DSPTTCGPCPPR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	1.396	-	0.59440577	0	1573.730028	2	787.3676147	-1.318738141	33.17048958
348041375	TNIP3	TNFAIP3-interacting protein 3 isoform 3	4.521276596	1	1	1	376	44.857	7.59	-	-	0.849														
													ELLEVNQQWDQQFRSMK	1	1	2xTMT6plex [N-Term; K17]	-	-	0.849	1.050509334	1	2637.385927	3	879.798645	-1.723275066	81.22070211
110556636	TNKS1BP1	182 kDa tankyrase-1-binding protein	1.619433198	3	5	3	1729	181.685	4.86	0.932	0.967	0.791														
													RPSQGPPAR	1	1	1xTMT6plex [N-Term]	-	-	0.423	0.955806971	0	1194.69047	3	398.9014587	-0.541486948	18.49337923
													YGQGAGEGSTR	3	1	1xTMT6plex [N-Term]	0.932	0.967	1.154	1.350777864	0	1311.649058	2	656.3278198	-0.530188741	21.76688135
													CAAPGGVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.03	0.902558804	0	1016.550865	2	508.7798767	1.585290047	28.3453351
133925811	TNPO1	transportin-1 isoform 1	9.242761693	7	8	5	898	102.289	4.98	1.274	1.247	1.355														
													ESQSPDTTIQR	2	1	1xTMT6plex [N-Term]	-	1.247	1.355	1.480745554	0	1490.764816	2	745.8851929	-1.145209354	27.68628486
													GELQNWPDLLPK	1	1	2xTMT6plex [N-Term; K12]	1.228	-	-	1.317342401	0	1868.068205	3	623.3602905	-1.009978096	92.47076243
													YSDIDIILLK	1	1	2xTMT6plex [N-Term; K10]	1.34	-	-	1.753838301	0	1651.008231	3	551.0075073	-0.15863479	95.98416295
													LEQLNQYPDFNNYLIFVLTK	1	1	2xTMT6plex [N-Term; K20]	0.949	-	-	0.583943188	0	2930.606802	3	977.5369873	-3.546363139	105.4359852
													SECLNNIGDSSPLIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.026	-	-	1.395694852	0	1903.974492	2	952.489502	-1.45191743	65.18231672
													SEDEPTR	1	2	1xTMT6plex [N-Term]	1.466	-	-	1.588185906	0	1062.526484	2	531.7669678	0.164821186	19.03453178
													SLSGLILK	1	2	2xTMT6plex [N-Term; K8]	-	1	-	0.79205668	0	1288.860444	2	644.9346313	1.196177072	81.66887105
209969838	TNPO2	transportin-2 isoform 1	2.898550725	3	4	1	897	101.322	5.01	-	1.832	2.104														
													SEDEPTR	1	2	1xTMT6plex [N-Term]	1.466	-	-	1.588185906	0	1062.526484	2	531.7669678	0.164821186	19.03453178
													SLSGLILK	1	2	2xTMT6plex [N-Term; K8]	-	1	-	0.79205668	0	1288.860444	2	644.9346313	1.196177072	81.66887105
													DSQSPNTATQR	2	1	1xTMT6plex [N-Term]	-	1.832	2.104	1.570518255	0	1433.718201	2	717.3623657	-0.520133376	19.13962062
54607135	TOMM70	mitochondrial import receptor subunit TOM70	3.125	2	2	2	608	67.412	7.12	-	-	0.682														
													LRPESALAQAQK	1	1	2xTMT6plex [N-Term; K12]	-	-	0.693	1.514302731	0	1770.063788	3	590.6932983	0.877589577	49.02093769
													ENSGYLK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.658	1.029976726	0	1268.725073	2	634.8656616	-0.809054565	40.93461422
389886539	TOR1AIP1	torsin-1A-interacting protein 1 isoform 1	1.712328767	1	2	1	584	66.279	8.18	-	0.544	0.531														
													SRDSDESGDK	2	1	2xTMT6plex [N-Term; K10]	-	0.544	0.531	1.850794554	1	1553.78075	3	518.5983887	-0.088207024	19.74518402
22538444	TP53I3	quinone oxidoreductase PIG3 isoform 1	8.13253012	2	3	2	332	35.514	7.17	0.771	0.722	-														
													GSLITSLLR	2	1	1xTMT6plex [N-Term]	0.731	0.722	-	1.812523842	0	1188.751339	2	594.8759155	-5.707118967	86.91877054
													GAGVNLILDCIGGSYWEK	1	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	0.805	-	-	1.106449485	0	2410.284088	3	804.0990601	-0.606129471	97.59771925
560575997	TPD52	tumor protein D52 isoform 4	6.072874494	1	1	1	247	26.925	5.11	-	0.663	-														
													VEEEIQTLSQVLAAK	1	1	2xTMT6plex [N-Term; K15]	-	0.663	-	1.231696844	0	2116.226556	2	1058.616211	-0.66661341	100.0217913
40805864	TPD52L2	tumor protein D54 isoform a	21.83406114	4	7	4	229	24.839	6.42	1.009	1.027	1.033														
													LGLSTLGELK	2	1	2xTMT6plex [N-Term; K10]	1.554	1.148	-	1.237362504	0	1488.940151	3	496.9855347	1.275822876	88.34021917
													TPAVEGLTEAEEEELRAELTK	2	1	2xTMT6plex [N-Term; K21]	1.16	-	1.033	2.163136244	1	2773.48714	3	925.1633911	-4.153558165	89.12763917
													TQETLSQAGQK	2	1	2xTMT6plex [N-Term; K11]	0.897	0.964	-	2.370025158	0	1648.92702	3	550.31427	0.74998989	37.75243362
													VTQSDLYK	1	1	2xTMT6plex [N-Term; K8]	0.854	-	-	1.711958289	0	1411.819702	2	706.4121704	-1.868142004	51.46530059
226529917	TPI1	triosephosphate isomerase isoform 2	74.47552448	16	121	16	286	30.772	5.92	1.116	1.128	1.111														
													VVFEQTK	2	1	2xTMT6plex [N-Term; K7]	-	1.196	-	1.471700311	0	1308.792759	2	654.8997192	-0.456048854	53.60287234
													DCGATWVVLGHSER	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.214	1.235	1.332	1.915852189	0	1815.900933	2	908.4545288	0.46701732	53.853788
													HVFGESDELIGQK	8	1	2xTMT6plex [N-Term; K13]	1.277	1.279	1.325	2.170989037	0	1917.048198	2	959.0275879	-0.155785728	58.56496755
													IIYGGSVTGATCK	16	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.106	1.085	1.039	2.166437626	0	1784.998077	2	893.0015259	-1.289504015	60.76789955
													VVLAYEPVWAIGTGK	10	1	2xTMT6plex [N-Term; K15]	1.164	1.16	1.184	1.663434267	0	2061.214869	3	687.7435303	0.566830916	96.46889501
													SNVSDAVAQSTR	10	1	1xTMT6plex [N-Term]	1.155	1.152	1.12	3.938366175	0	1463.765151	3	488.5921326	-2.258746849	33.87969635
													VIADNVK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.805	1.182066917	0	1216.766544	2	608.8870239	0.186742119	48.44180434
													VAHALAEGLGVIACIGEK	9	1	2xTMT6plex [N-Term; K18]; 1xCarbamidomethyl	1.121	1.038	1.127	2.040527105	0	2266.299344	2	1133.654907	1.409241517	95.56457005
													ELASQPDVDGFLVGGASLKPEFVDIINAK	5	1	3xTMT6plex [N-Term; K19; K29]	1.225	1.266	1.218	2.509169579	0	3717.071789	4	930.0234375	0.035396142	99.21238961
													DCGATWVVLGHSERR	5	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.362	1.317	0.801	1.278415799	1	1972.002044	4	493.7552795	-1.397369717	48.93667571
													TATPQQAQEVHEK	8	1	2xTMT6plex [N-Term; K13]	1.203	1.16	1.222	2.998694181	0	1925.04926	2	963.0270386	-1.277827853	31.56331183
													LDEREAGITEK	3	1	2xTMT6plex [N-Term; K11]	0.441	0.637	0.474	1.402907252	1	1718.968885	3	573.6604004	-1.301354635	48.43437603
													VTNGAFTGEISPGMIK	10	1	2xTMT6plex [N-Term; K16]	1.164	1.275	1.175	1.877611995	0	2080.151283	3	694.0507813	-6.486124405	82.26852933
													VTNGAFTGEISPGMIK	10	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M14]	1.049	1.001	1.092	1.59060204	0	2096.146198	3	699.3886719	2.511635403	71.39372966
													VPADTEVVCAPPTAYIDFAR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.18	1.43	1.192	1.80263865	0	2421.232163	3	807.7495728	0.826959822	90.28569333
													QSLGELIGTLNAAK	7	1	2xTMT6plex [N-Term; K14]	0.995	0.964	0.998	1.989140272	0	1873.115883	3	625.0438232	0.551501683	92.0081417
													IAVAAQNCYK	6	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.063	1.092	1.136	2.150529623	0	1595.897969	2	798.4521484	-0.59452109	55.85268907
27597085	TPM1	tropomyosin alpha-1 chain isoform Tpm1.5cy	31.33802817	11	22	1	284	32.846	4.77	0.852	0.78	-														
													LEEAEK	1	7	2xTMT6plex [N-Term; K6]	-	0.878	-	2.017166138	0	1176.687625	3	392.9006653	-0.15498624	41.91292192
													GTEDELDK	4	2	2xTMT6plex [N-Term; K8]	0.583	0.805	1.254	1.311794758	0	1364.730946	2	682.8690186	-0.13608589	34.22118964
													AELSEGQVR	2	1	1xTMT6plex [N-Term]	0.852	0.78	-	1.122861266	0	1217.668731	2	609.3374023	-0.988152581	35.00910961

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													EDRYEEEIK	1	2	2xTMT6plex [N-Term; K9]	-	0.82	-	2.370535135	1	1668.884487	3	556.9666748	0.589947399	42.30908713
													LVIIESDLERAEER	1	2	1xTMT6plex [N-Term]	-	0.791	-	0.953914762	1	1901.054122	3	634.3561401	-0.133999259	82.70644342
													IQLVEEELDRAQER	4	7	1xTMT6plex [N-Term]	0.969	0.927	0.951	2.073134899	1	1957.055184	3	653.0241089	1.322860069	78.9063161
													IQLVEEELDR	3	7	1xTMT6plex [N-Term]	1.105	1.177	1.143	2.865119457	0	1472.815789	2	736.9111328	-0.543404685	80.91598916
													AADESER	1	7	1xTMT6plex [N-Term]	-	1.45	-	1.525715351	0	1006.500269	2	503.753479	-0.583896702	18.77021725
													AEQAEADK	1	4	2xTMT6plex [N-Term; K8]	-	0.94	-	1.019343853	0	1319.720716	2	660.3639526	-0.066125023	38.78688693
													ATDAEADVASLNRR	1	3	1xTMT6plex [N-Term]	-	0.487	-	1.23306632	1	1717.903041	3	573.3045044	-2.375650027	44.92772155
													ATDAEADVASLNR	3	3	1xTMT6plex [N-Term]	0.629	0.602	0.567	1.565956831	0	1561.80193	2	781.4060059	1.795995187	50.05476099
669633301	TPM1	tropomyosin alpha-1 chain isoform Tpm1.8cy	25	7	12	1	248	28.591	4.79	0.863	-	-														
													LEEAEK	1	7	2xTMT6plex [N-Term; K6]	-	0.878	-	2.017166138	0	1176.687625	3	392.9006653	-0.15498624	41.91292192
													EDRYEEEIK	1	2	2xTMT6plex [N-Term; K9]	-	0.82	-	2.370535135	1	1668.884487	3	556.9666748	0.589947399	42.30908713
													LVIIESDLERAEER	1	2	1xTMT6plex [N-Term]	-	0.791	-	0.953914762	1	1901.054122	3	634.3561401	-0.133999259	82.70644342
													SLQEQADAAEER	1	1	1xTMT6plex [N-Term]	0.863	-	-	0.917227268	0	1575.781195	2	788.3969727	3.473859517	33.62350448
													IQLVEEELDRAQER	4	7	1xTMT6plex [N-Term]	0.969	0.927	0.951	2.073134899	1	1957.055184	3	653.0241089	1.322860069	78.9063161
													IQLVEEELDR	3	7	1xTMT6plex [N-Term]	1.105	1.177	1.143	2.865119457	0	1472.815789	2	736.9111328	-0.543404685	80.91598916
													AADESER	1	7	1xTMT6plex [N-Term]	-	1.45	-	1.525715351	0	1006.500269	2	503.753479	-0.583896702	18.77021725
47519616	TPM2	tropomyosin beta chain isoform Tpm2.1sm/cy	44.71830986	15	35	1	284	32.97	4.67	0.556	0.638	-														
													LEEAEK	1	7	2xTMT6plex [N-Term; K6]	-	0.878	-	2.017166138	0	1176.687625	3	392.9006653	-0.15498624	41.91292192
													TIDDLEETLASAK	1	2	2xTMT6plex [N-Term; K13]	0.556	-	-	1.50959003	0	1864.031545	3	622.0126343	-4.396415926	89.48522413
													LEQAEK	1	2	2xTMT6plex [N-Term; K6]	0.544	-	-	1.051708817	0	1175.703609	2	588.3562622	1.393543449	37.28358869
													IQLVEEELDRAQER	4	7	1xTMT6plex [N-Term]	0.969	0.927	0.951	2.073134899	1	1957.055184	3	653.0241089	1.322860069	78.9063161
													IQLVEEELDR	3	7	1xTMT6plex [N-Term]	1.105	1.177	1.143	2.865119457	0	1472.815789	2	736.9111328	-0.543404685	80.91598916
													AADESER	1	7	1xTMT6plex [N-Term]	-	1.45	-	1.525715351	0	1006.500269	2	503.753479	-0.583896702	18.77021725
													MEIQEMQLK	8	4	2xTMT6plex [N-Term; K9]; 2xOxidation [M1; M6]	0.681	0.494	0.685	1.545297384	0	1639.879936	3	547.2977905	-0.681652323	48.43456965
													LVILEGELER	2	4	1xTMT6plex [N-Term]	0.806	0.829	-	0.976245522	0	1399.835797	2	700.4211426	-0.562947277	82.12667152
													AEQAEADK	1	4	2xTMT6plex [N-Term; K8]	-	0.94	-	1.019343853	0	1319.720716	2	660.3639526	-0.066125023	38.78688693
													ATDAEADVASLNRR	1	3	1xTMT6plex [N-Term]	-	0.487	-	1.23306632	1	1717.903041	3	573.3045044	-2.375650027	44.92772155
													ATDAEADVASLNR	3	3	1xTMT6plex [N-Term]	0.629	0.602	0.567	1.565956831	0	1561.80193	2	781.4060059	1.795995187	50.05476099
													QLEEEQQALQK	4	2	2xTMT6plex [N-Term; K11]	1.029	1.074	0.779	1.456379771	0	1802.005999	3	601.3407593	0.957778183	53.94069781
													GTEDEVEK	4	2	2xTMT6plex [N-Term; K8]	-	-	-	1.336474895	0	1364.730946	2	682.8690186	-0.13608589	34.22118964
													HIAEDSDRK	2	2	2xTMT6plex [N-Term; K9]	-	0.617	0.578	0.99511385	1	1528.848376	2	764.9265137	-1.717139705	27.68533549
													SLMASEEEYSTK	3	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M3]	0.556	0.638	-	1.566384912	0	1848.930116	3	616.9801025	-2.359257807	49.84683113
669033275	TPM2	tropomyosin beta chain isoform Tpm2.3	46.47887324	16	36	1	284	32.795	4.68	-	0.846	-														
													LEEAEK	1	7	2xTMT6plex [N-Term; K6]	-	0.878	-	2.017166138	0	1176.687625	3	392.9006653	-0.15498624	41.91292192
													CGDLEEELK	3	3	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl [C1]	-	1.857	1.385	1.141269088	0	1550.81363	2	775.9090576	-1.800103875	55.36455703
													SLEAQADK	1	1	2xTMT6plex [N-Term; K8]	-	0.846	-	1.087270737	0	1319.757101	2	660.3804321	-2.662461285	39.25033162
													TIDDLEETLASAK	1	2	2xTMT6plex [N-Term; K13]	0.556	-	-	1.50959003	0	1864.031545	3	622.0126343	-4.396415926	89.48522413
													LEQAEK	1	2	2xTMT6plex [N-Term; K6]	0.544	-	-	1.051708817	0	1175.703609	2	588.3562622	1.393543449	37.28358869
													IQLVEEELDRAQER	4	7	1xTMT6plex [N-Term]	0.969	0.927	0.951	2.073134899	1	1957.055184	3	653.0241089	1.322860069	78.9063161
													IQLVEEELDR	3	7	1xTMT6plex [N-Term]	1.105	1.177	1.143	2.865119457	0	1472.815789	2	736.9111328	-0.543404685	80.91598916
													AADESER	1	7	1xTMT6plex [N-Term]	-	1.45	-	1.525715351	0	1006.500269	2	503.753479	-0.583896702	18.77021725
													MEIQEMQLK	8	4	2xTMT6plex [N-Term; K9]; 2xOxidation [M1; M6]	0.681	0.494	0.685	1.545297384	0	1639.879936	3	547.2977905	-0.681652323	48.43456965
													LVILEGELER	2	4	1xTMT6plex [N-Term]	0.806	0.829	-	0.976245522	0	1399.835797	2	700.4211426	-0.562947277	82.12667152
													AEQAEADK	1	4	2xTMT6plex [N-Term; K8]	-	0.94	-	1.019343853	0	1319.720716	2	660.3639526	-0.066125023	38.78688693
													ATDAEADVASLNRR	1	3	1xTMT6plex [N-Term]	-	0.487	-	1.23306632	1	1717.903041	3	573.3045044	-2.375650027	44.92772155
													ATDAEADVASLNR	3	3	1xTMT6plex [N-Term]	0.629	0.602	0.567	1.565956831	0	1561.80193	2	781.4060059	1.795995187	50.05476099
													QLEEEQQALQK	4	2	2xTMT6plex [N-Term; K11]	1.029	1.074	0.779	1.456379771	0	1802.005999	3	601.3407593	0.957778183	53.94069781
													GTEDEVEK	4	2	2xTMT6plex [N-Term; K8]	-	-	-	1.336474895	0	1364.730946	2	682.8690186	-0.13608589	34.22118964
													HIAEDSDRK	2	2	2xTMT6plex [N-Term; K9]	-	0.617	0.578	0.99511385	1	1528.848376	2	764.9265137	-1.717139705	27.68533549
24119203	TPM3	tropomyosin alpha-3 chain isoform Tpm3.1cy	54.03225806	19	58	13	248	29.015	4.78	0.896	1.058	1.015														
													HIAEEADR	4	3	1xTMT6plex [N-Term]	1.252	1.284	1.316	2.25522995	0	1169.611216	3	390.5416565	-0.684191094	26.2660647
													HIAEEADRK	6	3	2xTMT6plex [N-Term; K9]	-	0.933	0.995	1.622165084	1	1526.869111	3	509.6279602	0.14142354	30.35919999
													IQVLQQQADDAEERAER	3	1	1xTMT6plex [N-Term]	0.761	0.785	0.768	1.393939137	1	2228.146853	3	743.387207	0.096471985	57.38202099
													EQAEAEVASLNR	5	1	1xTMT6plex [N-Term]	0.923	0.951	0.981	2.123782396	0	1545.807016	2	773.4064941	-0.843474468	45.75517837
													IQVLQQQADDAEER	4	1	1xTMT6plex [N-Term]	-	0.906	1.011	1.556690335	0	1871.966035	2	936.4863892	-0.284978294	57.77477744
													EQAEAEVASLNRR	1	1	1xTMT6plex [N-Term]	-	-	0.766	1.603372574	1	1701.908126	3	567.9746094	0.674774967	41.03701084
													AREQAEAEVASLNR	2	1	1xTMT6plex [N-Term]	0.746	1.39	-	1.64239943	1	1772.94524	3	591.6517334	-2.590759479	41.29655052
													LVIIEGDLERTEER	1	1	1xTMT6plex [N-Term]	-	0.934	-	1.783801198	1	1901.054122	3	634.355835	-0.61558857	72.35550037
													LVIIEGDLER	2	1	1xTMT6plex [N-Term]	0.989	0.948	-	0.88742125	0	1385.820147	2	693.4126587	-1.519495292	80.00249083
													MLDQTLLDLNEM	3	1	1xTMT6plex [N-Term]; 1xOxidation [M12]	-	1.817	1.729	1.520914674	0	1680.838575	3	560.9502563	-1.403767777	95.04096471
													MLDQTLLDLNEM	6	1	1xTMT6plex [N-Term]; 2xOxidation [M1; M12]	0.704	0.564	0.3	1.387626052	0	1696.83349	3	566.2832642	1.03070247	89.17713424
													TIDDLEDK	1	1	2xTMT6plex [N-Term; K8]	0.968	-	-	1.211070299	0	1406.777896	3	469.5967712	-1.518305983	55.45771382
													EEHLCTQR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C5]	0.864	0.813	0.878	1.465524793	0	1301.64695	3	434.553833	-0.00349293	26.02180297
													LEEAEK	1	7	2xTMT6plex [N-Term; K6]	-	0.878	-	2.017166138	0	1176.687625	3	392.9006653	-0.15498624	41.91292192
													CLSAAEEK	4	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl [C1]	0.952	0.957	0.894	1.516776323	0	1365.744823	2	683.3765259	0.697515229	40.34694634
													LMDQNLK	1	1	2xTMT6plex [N-Term; K7]	-	2.495	-	1.344431639	0	1319.775728	2	660.3917236	0.335046035	55.46314851
													LMDQNLK	2	1	2xTMT6plex [N-Term; K7]; 1xOxidation [M2]	0.52	-	1.277	1.840458632	0	1335.770643	3	445.9279785	-0.94414646	52.45837003
													CREMDEQIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C1]	2.019	-	-	1.204429984	1	1465.708899	3	489.2406311	-1.063321274	26.89043297
													IQLVEEELDRAQER	4	7	1xTMT6plex [N-Term]	0.969	0.927	0.951	2.073134899	1	1957.055184	3	653.0241089	1.322860069	78.9063161
													IQLVEEELDR	3	7	1xTMT6plex [N-Term]	1.105	1.177	1.143	2.865119457	0	1472.815789	2	736.9111328	-0.543404685	80.91598916
													AADESER	1	7	1xTMT6plex [N-Term]	-	1.45	-	1.525715351	0	1006.500269	2	503.753479	-0.583896702	18.77021725
4507651	TPM4	tropomyosin alpha-4 chain isoform Tpm4.2cy	43.9516129	15	43	3	248	28.504	4.69	0.892	0.868	0.886														

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IQALQQQADEAEDR	3	1	1xTMT6plex [N-Term]	0.875	0.769	0.943	1.682123065	0	1843.934735	2	922.4703979	-0.659335463	53.43414449
													AEGDVAALNR	3	1	1xTMT6plex [N-Term]	0.903	0.907	0.822	1.768631935	0	1244.67963	2	622.8430786	-0.602350532	37.57481139
													AEGDVAALNRR	1	1	1xTMT6plex [N-Term]	-	0.854	-	0.698730528	1	1400.780741	3	467.5990906	1.411483223	33.08696805
													HIAEEADR	4	3	1xTMT6plex [N-Term]	1.252	1.284	1.316	2.25522995	0	1169.611216	3	390.5416565	-0.684191094	26.2660647
													HIAEEADRK	6	3	2xTMT6plex [N-Term; K9]	-	0.933	0.995	1.622165084	1	1526.869111	3	509.6279602	0.14142354	30.35919999
													LEEAEK	1	7	2xTMT6plex [N-Term; K6]	-	0.878	-	2.017166138	0	1176.687625	3	392.9006653	-0.15498624	41.91292192
													LVILEGELERAEER	4	2	1xTMT6plex [N-Term]	0.955	1.107	1.012	1.658215284	1	1885.059207	3	629.024353	-0.37211986	85.02254843
													TIDDLEEK	1	2	2xTMT6plex [N-Term; K8]	0.913	-	-	1.618322134	0	1420.793546	2	710.8995361	-1.23227219	55.10616991
													SLEAASEK	3	2	2xTMT6plex [N-Term; K8]	-	1.254	1.237	1.722817421	0	1292.746202	2	646.8796387	4.485268446	38.75782703
													CGDLEEELK	3	3	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.857	1.385	1.141269088	0	1550.81363	2	775.9090576	-1.800103875	55.36455703
													IQLVEEELDRAQER	4	7	1xTMT6plex [N-Term]	0.969	0.927	0.951	2.073134899	1	1957.055184	3	653.0241089	1.322860069	78.9063161
													IQLVEEELDR	3	7	1xTMT6plex [N-Term]	1.105	1.177	1.143	2.865119457	0	1472.815789	2	736.9111328	-0.543404685	80.91598916
													AADESER	1	7	1xTMT6plex [N-Term]	-	1.45	-	1.525715351	0	1006.500269	2	503.753479	-0.583896702	18.77021725
													MEIQEMQLK	8	4	2xTMT6plex [N-Term; K9]; 2xOxidation [M1; M6]	0.681	0.494	0.685	1.545297384	0	1639.879936	3	547.2977905	-0.681652323	48.43456965
													LVILEGELER	2	4	1xTMT6plex [N-Term]	0.806	0.829	-	0.976245522	0	1399.835797	2	700.4211426	-0.562947277	82.12667152
223555975	TPM4	tropomyosin alpha-4 chain isoform Tpm4.1cy	44.01408451	16	47	2	284	32.703	4.73	1.065	1.243	1.24														
													ASDAEGDVAALNRR	3	1	1xTMT6plex [N-Term]	0.893	1.103	1.114	1.184799671	1	1673.876826	3	558.6300049	-0.815443252	42.95093777
													QVEEELTHLQK	3	1	2xTMT6plex [N-Term; K11]	1.262	1.353	1.351	1.744307637	0	1812.026734	3	604.6795044	-1.530985362	59.01171232
													HIAEEADR	4	3	1xTMT6plex [N-Term]	1.252	1.284	1.316	2.25522995	0	1169.611216	3	390.5416565	-0.684191094	26.2660647
													HIAEEADRK	6	3	2xTMT6plex [N-Term; K9]	-	0.933	0.995	1.622165084	1	1526.869111	3	509.6279602	0.14142354	30.35919999
													LEEAEK	1	7	2xTMT6plex [N-Term; K6]	-	0.878	-	2.017166138	0	1176.687625	3	392.9006653	-0.15498624	41.91292192
													GTEDELDK	4	2	2xTMT6plex [N-Term; K8]	0.583	0.805	1.254	1.311794758	0	1364.730946	2	682.8690186	-0.13608589	34.22118964
													LVILEGELERAEER	4	2	1xTMT6plex [N-Term]	0.955	1.107	1.012	1.658215284	1	1885.059207	3	629.024353	-0.37211986	85.02254843
													TIDDLEEK	1	2	2xTMT6plex [N-Term; K8]	0.913	-	-	1.618322134	0	1420.793546	2	710.8995361	-1.23227219	55.10616991
													SLEAASEK	3	2	2xTMT6plex [N-Term; K8]	-	1.254	1.237	1.722817421	0	1292.746202	2	646.8796387	4.485268446	38.75782703
													CGDLEEELK	3	3	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.857	1.385	1.141269088	0	1550.81363	2	775.9090576	-1.800103875	55.36455703
													IQLVEEELDRAQER	4	7	1xTMT6plex [N-Term]	0.969	0.927	0.951	2.073134899	1	1957.055184	3	653.0241089	1.322860069	78.9063161
													IQLVEEELDR	3	7	1xTMT6plex [N-Term]	1.105	1.177	1.143	2.865119457	0	1472.815789	2	736.9111328	-0.543404685	80.91598916
													AADESER	1	7	1xTMT6plex [N-Term]	-	1.45	-	1.525715351	0	1006.500269	2	503.753479	-0.583896702	18.77021725
													MEIQEMQLK	8	4	2xTMT6plex [N-Term; K9]; 2xOxidation [M1; M6]	0.681	0.494	0.685	1.545297384	0	1639.879936	3	547.2977905	-0.681652323	48.43456965
													LVILEGELER	2	4	1xTMT6plex [N-Term]	0.806	0.829	-	0.976245522	0	1399.835797	2	700.4211426	-0.562947277	82.12667152
													AEQAEADK	1	4	2xTMT6plex [N-Term; K8]	-	0.94	-	1.019343853	0	1319.720716	2	660.3639526	-0.066125023	38.78688693
5729770	TPP1	tripeptidyl-peptidase 1 preproprotein	12.96625222	4	6	4	563	61.21	6.48	0.828	0.515	0.982														
													VPIPWVSGTSASTPVFGGILSLINEHR	2	1	1xTMT6plex [N-Term]	0.613	0.515	-	2.570522308	0	3063.682871	3	1021.898499	-0.629505276	104.8469447
													LYQQHGAGLFDVTR	2	1	1xTMT6plex [N-Term]	0.864	-	1.147	1.343232036	0	1833.980898	3	611.9981079	-0.61452632	62.02273331
													LFGGNFAHQASVAR	1	1	1xTMT6plex [N-Term]	-	-	0.902	0.852413714	0	1703.917903	3	568.644165	0.022569859	53.93321197
													LSELVQAVSDPSSPQYGK	1	1	2xTMT6plex [N-Term; K18]	-	-	0.86	1.827155948	0	2363.285862	3	788.4316406	-2.324308324	90.6720038
186972143	TPP2	tripeptidyl-peptidase 2	1.841473179	2	3	2	1249	138.263	6.32	-	1.22	1.19														
													ACIDSNEDGDLSK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	-	0.934	0.845682621	0	1881.926428	2	941.4679565	1.173539998	48.44437739
													VPITAVIAAK	2	1	2xTMT6plex [N-Term; K10]	-	1.22	1.252	0.970441043	0	1440.955407	3	480.9895935	-0.818944442	87.79820861
56676377	TPPP3	tubulin polymerization-promoting protein family member 3	4.545454545	1	1	1	176	18.974	9.13	-	-	2.78														
													FAIHGDPK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.78	0.871047974	0	1342.788342	3	448.2685852	2.130116225	48.99784999
114155142	TPR	nucleoprotein TPR	0.973338976	2	2	2	2363	267.131	5.02	0.679	-	1.489														
													ASTALSNEQQAR	1	1	1xTMT6plex [N-Term]	0.679	-	-	0.740394294	0	1504.7917	2	752.9009399	1.929464931	29.83205048
													EREEQETTSSK	1	1	2xTMT6plex [N-Term; K11]	-	-	1.489	2.166276932	1	1781.928142	3	594.6481934	1.057622965	26.19030161
555943903	TPT1	translationally-controlled tumor protein isoform 1	28.42639594	6	26	6	197	22.559	5.24	3.219	3.23	3.165														
													HILANFK	3	1	2xTMT6plex [N-Term; K7]	3.095	3.175	3.243	1.104980707	0	1300.814163	3	434.2767639	1.211216861	52.56077192
													DLISHDEMFSDIYK	2	1	2xTMT6plex [N-Term; K14]	-	3.035	2.495	1.725288391	0	2171.109477	3	724.3751221	0.615183597	80.04386949
													DLISHDEMFSDIYK	4	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M8]	4.449	4.077	4.348	1.768674016	0	2187.104392	3	729.7064819	0.22871372	69.37187391
													EIADGLCLEVEGK	9	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	3.434	2.939	2.681	2.618913174	0	1891.024685	3	631.0126953	-0.609612613	79.0818044
													IREIADGLCLEVEGK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	2.873	3.092	-	1.667169094	1	2160.20986	3	720.7407227	-1.039552356	79.92902987
													LEEQRPER	3	1	1xTMT6plex [N-Term]	3.496	3.545	3.647	1.212336302	0	1285.706179	3	429.2399292	-0.73506868	23.1048308
													EDGVTPYMIFFK	2	1	2xTMT6plex [N-Term; K12]	1.104	-	1.273	1.334267497	0	1905.023229	2	953.0154419	0.198663752	98.10245237
													EDGVTPYMIFFK	1	1	2xTMT6plex [N-Term; K12]; 1xOxidation [M8]	3.068	-	-	0.979496479	0	1921.018144	3	641.0112305	0.517666246	93.26281079
401461775	TRAPPC3	trafficking protein particle complex subunit 3 isoform 2	4.255319149	1	2	1	188	21.218	5.06	1.095	1.092	-														
													ETADVIAK	2	1	2xTMT6plex [N-Term; K8]	1.095	1.092	-	2.401980639	0	1304.782588	2	652.894165	-1.176036444	50.33067747
118600991	TRAPPC6B	trafficking protein particle complex subunit 6B isoform 1	6.962025316	1	1	1	158	17.971	8.68	-	-	1.187														
													SAEQGEVENGR	1	1	1xTMT6plex [N-Term]	-	-	1.187	1.476082802	0	1404.691651	2	702.8493042	-0.227581307	25.60314019
15208660	TRIM21	E3 ubiquitin-protein ligase TRIM21	2.947368421	1	1	1	475	54.135	6.38	-	-	1.469														
													LGDTQQSIPGNEER	1	1	1xTMT6plex [N-Term]	-	-	1.469	1.048362017	0	1772.897621	2	886.9522095	-0.270164888	46.09862743
5032179	TRIM28	transcription intermediary factor 1-beta	18.68263473	11	23	11	835	88.493	5.77	0.54	0.496	0.537														
													TVYCNVHK	3	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	0.51	0.472	0.557	1.717350841	0	1478.818991	3	493.6119385	1.536130995	36.20816323
													VLVNDAQK	1	1	2xTMT6plex [N-Term; K8]	-	0.431	-	0.846001327	0	1344.825121	2	672.9169312	1.088791891	49.22185932
													QVSDVQK	1	1	2xTMT6plex [N-Term; K7]	-	0.535	-	1.194411755	0	1261.751622	2	631.3792114	-0.377212463	36.17268032
													FASWALESDNNTALLLSK	3	1	2xTMT6plex [N-Term; K18]	0.471	0.448	0.531	3.29167223	0	2438.333146	3	813.4495239	0.357763805	97.24044766
													LSPPYSSPQEFAQDVGR	3	1	1xTMT6plex [N-Term]	0.819	1.039	1.099	1.735567689	0	2107.065749	2	1054.033081	-3.257454414	75.33566259
													LDLDLTADSQPPVFK	3	1	2xTMT6plex [N-Term; K15]	-	0.437	0.385	1.67009151	0	2117.189442	2	1059.098877	0.488891655	93.86018802
													VFPGSTTEDYNLIVIER	3	1	1xTMT6plex [N-Term]	0.613	0.757	0.56	2.145599604	0	2182.159315	3	728.0571899	-1.053349206	91.29653761
													HEPLVLFCESCDTLTCR	2	1	1xTMT6plex [N-Term]; 3xCarbamidomethyl	-	0.965	0.658	1.380695701	0	2366.114039	3	789.3731689	-3.839761699	71.34015892
													FQWDLNAWTK	1	1	2xTMT6plex [N-Term; K10]	-	0.5	-	2.436892509	0	1766.963012	3	589.6601563	1.643333777	94.08018203
													EEDGSLSLDGADSTGVVAK	2	1	2xTMT6plex [N-Term; K19]	-	0.599	0.705	1.888097286	0	2308.192021	2	1154.600708	0.917876678	70.11499235
													IVAERPGTNSTGPAPMAPPR	1	1	1xTMT6plex [N-Term]	-	-	0.808	0.867192686	0	2248.206951	3	750.0747681	1.245489975	49.61796395

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
572874682	TRIP10	cdc42-interacting protein 4 isoform 1	5.324459235	2	2	2	601	68.31	5.73	1.861	-	-														
													ERTEVEQAYAK	1	1	2xTMT6plex [N-Term; K11]	1.95	-	-	1.599725962	1	1781.979784	3	594.6646729	-0.178809724	36.12052489
													FSQQQSFVQILQEVNDFAGQR	1	1	1xTMT6plex [N-Term]	1.28	-	-	2.345761538	0	2698.378644	3	900.1287231	-2.604307006	101.4835878
7705477	TRMT112	multifunctional methyltransferase subunit TRM112-like protein	10.4	1	1	1	125	14.19	5.26	-	1.257	-														
													ICPVEFNPNFVAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.257	-	1.431657195	0	1791.941341	3	597.9857178	0.702484107	86.02431991
31377800	TROVE2	60 kDa SS-A/Ro ribonucleoprotein isoform 2	8.550185874	5	11	5	538	60.631	8.03	1.113	1.1	1.105														
													ALLQEMPLTALLR	5	1	1xTMT6plex [N-Term]	1.118	1.109	1.076	1.512206078	0	1698.018529	3	566.6777344	0.071392036	101.3041746
													AVSEVCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.943	1.191401958	0	1049.561096	2	525.2850952	1.732390516	32.21656784
													LGLENAEALIR	2	1	1xTMT6plex [N-Term]	1.098	-	1.441	1.333410859	0	1427.841945	2	714.4260254	1.981725821	81.2254167
													YLEAVEK	2	1	2xTMT6plex [N-Term; K7]	-	1.206	1.198	1.726006269	0	1309.776774	2	655.3914795	-0.833680705	58.91917285
													ALSVETEK	1	1	2xTMT6plex [N-Term; K8]	-	1.038	-	1.36064744	0	1334.793153	2	667.9012451	1.544077725	49.39569834
115430099	TSHB	thyrotropin subunit beta isoform 1 precursor	10.14492754	1	1	1	138	15.628	7.69	1.976	-	-														
													CNTDYSDCIHEAIK	1	1	2xTMT6plex [N-Term; K14]; 2xCarbamidomethyl	1.976	-	-	2.042032242	0	2184.04656	3	728.6864014	-0.874179366	53.88459042
4759270	TSN	translin isoform 1	30.70175439	6	9	6	228	26.167	6.44	1.3	1.22	1.258														
													EAVTEILGIEPDREK	2	1	2xTMT6plex [N-Term; K15]	1.358	-	1.426	0.949433327	1	2157.21672	3	719.744812	1.466359466	76.01142656
													ETAAACVEK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	1.175	-	-	2.606579542	0	1436.781936	2	718.8950195	0.575022889	38.70801314
													KVEEVVYDLSIR	1	1	2xTMT6plex [N-Term; K1]	1.42	-	-	1.790994167	1	1908.120634	3	636.7122192	0.7703836	79.32664963
													EILTLLQGVHQGAGFQDIPK	1	1	2xTMT6plex [N-Term; K20]	1.085	-	-	0.987175524	0	2622.501943	3	874.8383179	-0.588147026	94.60234161
													THLTSLK	2	1	2xTMT6plex [N-Term; K7]	-	1.317	1.314	1.967148066	0	1257.793093	3	419.9354248	-1.090748506	40.40682597
													EHFGTVK	2	1	2xTMT6plex [N-Term; K7]	-	1.177	1.184	1.83501637	0	1275.746143	3	425.9201965	-0.083535734	36.3355109
5174731	TSNAX	translin-associated protein X	6.551724138	1	3	1	290	33.092	6.55	0.508	0.377	0.36														
													VTPVDYLLGVADLTGELMR	3	1	1xTMT6plex [N-Term]	0.508	0.377	0.36	1.554152966	0	2291.251835	3	764.4226685	0.705649667	110.3976172
960513905	TSTA3	GDP-L-fucose synthase isoform 1	12.8440367	3	8	3	327	36.557	6.6	0.834	0.806	0.778														
													ILVTGGSGLVGK	3	1	2xTMT6plex [N-Term; K12]	0.841	-	0.838	1.802205324	0	1558.993249	3	520.3353271	-1.168135069	75.30688704
													DADLTDTAQTR	2	1	1xTMT6plex [N-Term]	-	-	0.631	1.956736445	0	1435.722617	2	718.3650513	0.145368653	35.12663329
													VVADGAGLPGEDWVFVSSK	3	1	2xTMT6plex [N-Term; K19]	0.821	0.806	0.989	1.385558009	0	2391.296032	3	797.7686157	-1.981566467	94.48842931
4507711	TTC1	tetratricopeptide repeat protein 1	2.739726027	1	1	1	292	33.505	4.84	-	0.79	-														
													DPSIHQAR	1	1	1xTMT6plex [N-Term]	-	0.79	-	1.182767034	0	1152.632286	3	384.8821411	-0.361095348	21.45003759
116812608	TTC38	tetratricopeptide repeat protein 38	1.918976546	1	1	1	469	52.719	5.99	0.891	-	-														
													VLELLLPIR	1	1	1xTMT6plex [N-Term]	0.891	-	-	0.901909947	0	1294.865975	2	647.9364014	-0.346356792	101.5395217
642945631	TTN	titin isoform IC	0.022227779	1	1	1	35991	3992.165	6.39	-	1.449	-														
													SAATSLEK	1	1	2xTMT6plex [N-Term; K8]	-	1.449	-	1.087327123	0	1264.751288	2	632.8800659	1.239299736	33.83467071
17986283	TUBA1A	tubulin alpha-1A chain isoform 1	49.88913525	18	78	6	451	50.104	5.06	1.525	1.565	1.773														
													EDAANNYAR	3	2	1xTMT6plex [N-Term]	1.8	1.824	1.638	1.686783195	0	1252.611945	2	626.8092041	-0.649137092	24.29666798
													FDLMYAK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.419	0.970450878	0	1345.759016	2	673.3822021	-1.403017259	78.39524763
													AVCMLSNTTAIAEAWAR	6	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.38	1.249	1.352	1.997429371	0	2094.067346	3	698.6907349	-4.629688808	93.66528453
													LSVDYGK	1	2	2xTMT6plex [N-Term; K7]	-	1.946	-	1.593729734	0	1239.73491	2	620.3707275	-0.589692094	53.27851236
													AFVHWYVGEGMEEGEFSEAR	3	2	1xTMT6plex [N-Term]; 1xOxidation [M11]	1.167	1.721	-	1.217048764	0	2575.176104	3	859.0632324	-0.3729626	72.99936412
													GHYTIGK	2	2	2xTMT6plex [N-Term; K7]	-	1.544	1.535	1.518168926	0	1233.735578	2	617.3718262	0.646381416	35.21209794
													IHFPLATYAPVISAEK	3	2	2xTMT6plex [N-Term; K16]	1.567	1.618	-	1.325036645	0	2215.289097	3	739.1013184	0.13773287	91.04138744
													DVNAAIATIK	8	1	2xTMT6plex [N-Term; K10]	1.677	1.617	1.703	1.994222641	0	1473.9041	2	737.4559326	0.331523859	66.4275534
													TIGGGDDSFNTFFSETGAGK	13	1	2xTMT6plex [N-Term; K20]	1.46	1.525	1.715	1.994363308	0	2466.218904	2	1233.616821	3.025578188	88.90836189
													TIQFVDWCPTGFK	4	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.743	1.819	-	1.50965035	0	2057.09304	2	1029.046753	-3.310798536	94.27918534
													VGINYQPPTVVPGGDLAK	7	2	2xTMT6plex [N-Term; K18]	1.722	1.757	1.787	1.508440614	0	2283.311289	2	1142.153076	-5.436361792	85.05475495
													FDGALNVDLTEFQTNLVPYPR	6	2	1xTMT6plex [N-Term]	1.781	1.857	1.882	1.53790307	0	2638.371433	3	880.130249	1.804457952	99.07817613
													NLDIERPTYTNLNR	2	2	1xTMT6plex [N-Term]	1.531	-	1.628	1.019389749	0	1948.044954	3	650.0198975	0.094927385	52.31689643
													QLFHPEQLITGK	5	2	2xTMT6plex [N-Term; K12]	1.413	1.264	1.454	1.37087667	0	1869.09984	3	623.7028809	-3.076455176	75.3829213
													EDMAALEK	2	2	2xTMT6plex [N-Term; K8]; 1xOxidation [M3]	2.206	-	2.412	1.666263342	0	1380.744488	3	460.9201965	1.121220923	41.65387508
													AVFVDLEPTVIDEVR	6	1	1xTMT6plex [N-Term]	1.598	1.687	1.667	1.13920629	0	1931.068709	2	966.0380249	0.033051485	94.62719566
													EIIDLVLDR	3	1	1xTMT6plex [N-Term]	1.931	2.002	2.078	1.523844719	0	1314.783033	2	657.8928223	-3.547998897	94.3084799
													EIIDLVLDRIR	3	1	1xTMT6plex [N-Term]	0.625	0.661	0.752	2.037175655	1	1583.968208	3	528.6610107	0.17129546	97.26739559
17921989	TUBA4A	tubulin alpha-4A chain isoform 1	41.07142857	14	51	2	448	49.892	5.06	2.142	1.965	2.021														
													EDAANNYAR	3	2	1xTMT6plex [N-Term]	1.8	1.824	1.638	1.686783195	0	1252.611945	2	626.8092041	-0.649137092	24.29666798
													FDLMYAK	1	2	2xTMT6plex [N-Term; K7]	-	-	1.419	0.970450878	0	1345.759016	2	673.3822021	-1.403017259	78.39524763
													AVCMLSNTTAIAEAWAR	6	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.38	1.249	1.352	1.997429371	0	2094.067346	3	698.6907349	-4.629688808	93.66528453
													LSVDYGK	1	2	2xTMT6plex [N-Term; K7]	-	1.946	-	1.593729734	0	1239.73491	2	620.3707275	-0.589692094	53.27851236
													AFVHWYVGEGMEEGEFSEAR	3	2	1xTMT6plex [N-Term]; 1xOxidation [M11]	1.167	1.721	-	1.217048764	0	2575.176104	3	859.0632324	-0.3729626	72.99936412
													GHYTIGK	2	2	2xTMT6plex [N-Term; K7]	-	1.544	1.535	1.518168926	0	1233.735578	2	617.3718262	0.646381416	35.21209794
													IHFPLATYAPVISAEK	3	2	2xTMT6plex [N-Term; K16]	1.567	1.618	-	1.325036645	0	2215.289097	3	739.1013184	0.13773287	91.04138744
													VGINYQPPTVVPGGDLAK	7	2	2xTMT6plex [N-Term; K18]	1.722	1.757	1.787	1.508440614	0	2283.311289	2	1142.153076	-5.436361792	85.05475495
													FDGALNVDLTEFQTNLVPYPR	6	2	1xTMT6plex [N-Term]	1.781	1.857	1.882	1.53790307	0	2638.371433	3	880.130249	1.804457952	99.07817613
													NLDIERPTYTNLNR	2	2	1xTMT6plex [N-Term]	1.531	-	1.628	1.019389749	0	1948.044954	3	650.0198975	0.094927385	52.31689643
													QLFHPEQLITGK	5	2	2xTMT6plex [N-Term; K12]	1.413	1.264	1.454	1.37087667	0	1869.09984	3	623.7028809	-3.076455176	75.3829213
													AVFVDLEPTVIDEIR	3	1	1xTMT6plex [N-Term]	3.344	1.758	2.495	1.170072675	0	1945.084359	3	649.0332642	0.452325096	96.86607304
													SIQFVDWCPTGFK	7	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.799	1.997	1.978	2.593526363	0	2043.07739	2	1022.039856	-2.425021178	93.75564797
													EDMAALEK	2	2	2xTMT6plex [N-Term; K8]; 1xOxidation [M3]	2.206	-	2.412	1.666263342	0	1380.744488	3	460.9201965	1.121220923	41.65387508
29788785	TUBB	tubulin beta chain isoform b	57.20720721	18	67	4	444	49.639	4.89	1.093	1.345	1.249														
													LTTPTYGDLNHLVSATMSGVTTCLR	3	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.246	-	1.075	1.273100734	0	2937.501143	3	979.8388062	0.245704426	96.0916494
													IMNTFSVVPSPK	3	2	2xTMT6plex [N-Term; K12]	1.191	1.24	1.266	1.248453975	0	1778.028648	3	593.3480835	0.589843298	88.15531932
													EAESCDCLQGFQLTHSLGGGTGSGMGTLLLSK	2	2	2xTMT6plex [N-Term; K32]; 2xCarbamidomethyl	1.066	-	-	1.435678482	0	3769.859951	3	1257.282593	-7.089382639	90.80945656
													LAVNMVPFPR	2	3	1xTMT6plex [N-Term]	1.777	-	1.495	1.382334113	0	1372.797243	2	686.9024658	0.300044764	88.43708121
													LAVNMVPFPR	1	3	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	1.681	-	0.674558938	0	1388.792158	3	463.6019897	-0.534372054	73.80303537

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													ISVYYNEATGGK	3	1	2xTMT6plex [N-Term; K12]	-	2.145	1.766	1.601920962	0	1759.963071	2	880.4844971	-0.769197603	64.5407116
													EIVHLQAGQCGNQIGAK	8	2	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl [C10]	1.928	2.076	-	2.767735481	0	2281.248705	3	761.0875854	-0.220213755	55.99153268
													RISEQFTAMFR	2	2	1xTMT6plex [N-Term]	1.091	1.515	-	1.913401842	1	1614.862362	3	538.9588013	-0.316969061	67.9396602
													ISEQFTAMFR	1	2	1xTMT6plex [N-Term]	3.006	-	-	0.850745142	0	1458.761251	2	729.8833618	-1.23697225	82.54579411
													SGPFGQIFRPDNFVFGQSGAGNNWAK	1	2	2xTMT6plex [N-Term; K26]	1.223	-	-	1.216807842	0	3256.669236	3	1086.227417	-0.472235074	94.20199283
													TAVCDIPPR	7	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C4]	1.663	1.57	1.255	1.668945909	0	1257.682273	2	629.3439331	-1.338691892	44.88625835
													NSSYFVEWIPNNVK	4	3	2xTMT6plex [N-Term; K14]	2.049	-	1.564	1.420004845	0	2155.158811	2	1078.083252	0.19323692	89.85180109
													AILVDLEPGTMDSVR	4	1	1xTMT6plex [N-Term]	0.767	0.695	0.764	1.351261854	0	1844.998915	2	923.0001831	-3.157556904	89.73092912
													AILVDLEPGTMDSVR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	1.799	-	-	1.363316178	0	1860.99383	2	930.9985962	-2.10345522	79.41235498
													GHYTEGAELVDSVLDVVR	4	2	1xTMT6plex [N-Term]	2.234	1.809	2.341	1.827902675	0	2188.144728	3	730.0539551	1.181043622	91.76129899
													GHYTEGAELVDSVLDVVRK	4	2	2xTMT6plex [N-Term; K19]	1.529	1.638	2.297	2.753860712	1	2545.402623	3	849.1366577	-2.829711655	91.35614198
													EVDEQMLNVQNK	5	2	2xTMT6plex [N-Term; K12]	1.616	1.811	1.845	2.321071386	0	1905.015183	3	635.675415	-1.832658786	62.34728113
													EVDEQMLNVQNK	5	2	2xTMT6plex [N-Term; K12]; 1xOxidation [M6]	2.048	1.942	1.841	1.851540327	0	1921.010098	3	641.0078735	-0.536569033	49.25987217
													MAVTFIGNSTAIQELFK	3	1	2xTMT6plex [N-Term; K17]	1.649	1.311	-	1.046237469	0	2328.30376	2	1164.658081	2.201203066	101.0564373
													MAVTFIGNSTAIQELFK	3	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M1]	1.646	1.824	1.906	2.61925745	0	2344.298675	3	782.1051636	0.964916578	98.37185022
													IREEYPDR	1	2	1xTMT6plex [N-Term]	1.573	-	-	0.753647685	1	1306.69528	2	653.8519287	0.995183724	29.27416769
													ALTVPELTQQVFDAK	5	1	2xTMT6plex [N-Term; K15]	1.455	1.499	1.519	1.586950064	0	2118.221077	3	706.7423096	-4.107804968	94.60400686
5174735	TUBB4B	tubulin beta-4B chain	57.07865169	18	61	4	445	49.799	4.89	1.531	1.708	1.828														
													INVYYNEATGGK	3	1	2xTMT6plex [N-Term; K12]	1.924	1.715	2.013	2.033283234	0	1786.97397	2	893.9892578	-1.528452594	60.34332601
													MSATFIGNSTAIQELFK	1	1	2xTMT6plex [N-Term; K17]	-	-	-	0.98443222	0	2316.267375	3	772.7594604	-1.531257739	97.9986051
													MSATFIGNSTAIQELFK	2	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M1]	-	-	-	1.801240325	0	2332.26229	3	778.0935669	1.653987894	94.48591117
													AVLVDLEPGTMDSVR	1	1	1xTMT6plex [N-Term]	1.294	-	-	1.679373622	0	1830.983265	2	915.9945679	-0.76794684	82.49364125
													AVLVDLEPGTMDSVR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M11]	1.286	1.909	1.844	1.459008694	0	1846.97818	3	616.3314209	0.827960681	72.75501197
													ALTVPELTQQMFDAK	3	1	2xTMT6plex [N-Term; K15]	1.612	1.623	1.686	1.590251803	0	2150.193147	3	717.4001465	-3.376997496	95.3787211
													LTTPTYGDLNHLVSATMSGVTTCLR	3	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C23]	1.246	-	1.075	1.273100734	0	2937.501143	3	979.8388062	0.245704426	96.0916494
													IMNTFSVVPSPK	3	2	2xTMT6plex [N-Term; K12]	1.191	1.24	1.266	1.248453975	0	1778.028648	3	593.3480835	0.589843298	88.15531932
													EAESCDCLQGFQLTHSLGGGTGSGMGTLLLSK	2	2	2xTMT6plex [N-Term; K32]; 2xCarbamidomethyl [C5; C7]	1.066	-	-	1.435678482	0	3769.859951	3	1257.282593	-7.089382639	90.80945656
													LAVNMVPFPR	2	3	1xTMT6plex [N-Term]	1.777	-	1.495	1.382334113	0	1372.797243	2	686.9024658	0.300044764	88.43708121
													LAVNMVPFPR	1	3	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	1.681	-	0.674558938	0	1388.792158	3	463.6019897	-0.534372054	73.80303537
													EIVHLQAGQCGNQIGAK	8	2	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl [C10]	1.928	2.076	-	2.767735481	0	2281.248705	3	761.0875854	-0.220213755	55.99153268
													RISEQFTAMFR	2	2	1xTMT6plex [N-Term]	1.091	1.515	-	1.913401842	1	1614.862362	3	538.9588013	-0.316969061	67.9396602
													ISEQFTAMFR	1	2	1xTMT6plex [N-Term]	3.006	-	-	0.850745142	0	1458.761251	2	729.8833618	-1.23697225	82.54579411
													SGPFGQIFRPDNFVFGQSGAGNNWAK	1	2	2xTMT6plex [N-Term; K26]	1.223	-	-	1.216807842	0	3256.669236	3	1086.227417	-0.472235074	94.20199283
													TAVCDIPPR	7	2	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C4]	1.663	1.57	1.255	1.668945909	0	1257.682273	2	629.3439331	-1.338691892	44.88625835
													NSSYFVEWIPNNVK	4	3	2xTMT6plex [N-Term; K14]	2.049	-	1.564	1.420004845	0	2155.158811	2	1078.083252	0.19323692	89.85180109
													GHYTEGAELVDSVLDVVR	4	2	1xTMT6plex [N-Term]	2.234	1.809	2.341	1.827902675	0	2188.144728	3	730.0539551	1.181043622	91.76129899
													GHYTEGAELVDSVLDVVRK	4	2	2xTMT6plex [N-Term; K19]	1.529	1.638	2.297	2.753860712	1	2545.402623	3	849.1366577	-2.829711655	91.35614198
													EVDEQMLNVQNK	5	2	2xTMT6plex [N-Term; K12]	1.616	1.811	1.845	2.321071386	0	1905.015183	3	635.675415	-1.832658786	62.34728113
													EVDEQMLNVQNK	5	2	2xTMT6plex [N-Term; K12]; 1xOxidation [M6]	2.048	1.942	1.841	1.851540327	0	1921.010098	3	641.0078735	-0.536569033	49.25987217
													IREEYPDR	1	2	1xTMT6plex [N-Term]	1.573	-	-	0.753647685	1	1306.69528	2	653.8519287	0.995183724	29.27416769
746815975	TUBB6	tubulin beta-6 chain isoform 1	19.05829596	6	14	4	446	49.825	4.88	1.468	1.253	1.694														
													LAVNMVPFPR	2	3	1xTMT6plex [N-Term]	1.777	-	1.495	1.382334113	0	1372.797243	2	686.9024658	0.300044764	88.43708121
													LAVNMVPFPR	1	3	1xTMT6plex [N-Term]; 1xOxidation [M5]	-	1.681	-	0.674558938	0	1388.792158	3	463.6019897	-0.534372054	73.80303537
													NSSYFVEWIPNNVK	4	3	2xTMT6plex [N-Term; K14]	2.049	-	1.564	1.420004845	0	2155.158811	2	1078.083252	0.19323692	89.85180109
													EVDEQMLAIQSK	2	1	2xTMT6plex [N-Term; K12]	1.294	1.205	-	1.942655683	0	1849.014121	3	617.0089722	-0.950374621	68.31985385
													ALTVPELTQQMFDAR	1	1	1xTMT6plex [N-Term]	1.108	-	-	1.653606772	0	1949.036363	3	650.3470459	-5.017327984	93.12399943
													MASTFIGNSTAIQELFK	1	1	2xTMT6plex [N-Term; K17]	1.636	-	-	1.01205039	0	2316.267375	3	772.7594604	-1.531257739	97.9986051
													MASTFIGNSTAIQELFK	2	1	2xTMT6plex [N-Term; K17]; 1xOxidation [M1]	1.871	-	1.694	1.802452564	0	2332.26229	3	778.0935669	1.653987894	94.48591117
													EIVHIQAGQCGNQIGTK	1	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl [C10]	-	1.394	-	1.817244887	0	2311.25927	3	771.0908813	-0.510253024	53.9699324
334848198	TWF1	twinfilin-1 isoform 1	7.843137255	3	3	1	357	40.993	6.73	-	2.178	-														
													DYDSFVLPLLEDK	1	1	2xTMT6plex [N-Term; K13]	-	2.178	-	1.184542298	0	2012.09923	2	1006.552002	-1.243971327	99.21370668
													YHFFLYK	1	2	2xTMT6plex [N-Term; K7]	-	1.52	-	0.798977077	0	1475.845129	3	492.6205444	1.322205659	70.8168691
													EFGGGHIK	1	2	2xTMT6plex [N-Term; K8]	-	1.63	-	0.666650176	0	1302.757042	3	434.9237366	-0.295898	39.35157772
6005846	TWF2	twinfilin-2	26.07449857	8	14	6	349	39.523	6.84	1.071	1.25	1.19														
													AVLPLLDAQQPCYLLYR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl [C12]	0.91	1.079	-	1.022007465	0	2262.251776	3	754.7550049	-0.581156163	98.05650037
													GPGENGDDS	2	1	1xTMT6plex [N-Term]	-	1.284	-	1.428291798	0	1076.469363	2	538.7381592	-0.298271958	22.63836114
													DELFGTVK	2	1	2xTMT6plex [N-Term; K8]	1.167	1.245	-	1.932564616	0	1366.798238	2	683.902832	0.109344961	65.8478011
													VVIEDEQLVLGASQEPVGR	3	1	1xTMT6plex [N-Term]	1.248	1.586	1.449	2.145546436	0	2267.244442	3	756.4174194	-2.97128492	82.36888922
													TEISVESK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.13	1.406178355	0	1350.788067	2	675.8973999	-0.402731802	46.19616074
													LLDSVEQDFHLEIAK	2	1	2xTMT6plex [N-Term; K15]	-	1.118	1.141	2.678099632	0	2215.237455	3	739.0827637	-1.678025246	95.65356621
													YHFFLYK	1	2	2xTMT6plex [N-Term; K7]	-	1.52	-	0.798977077	0	1475.845129	3	492.6205444	1.322205659	70.8168691
													EFGGGHIK	1	2	2xTMT6plex [N-Term; K8]	-	1.63	-	0.666650176	0	1302.757042	3	434.9237366	-0.295898	39.35157772
10190664	TWSG1	twisted gastrulation protein homolog 1 precursor	4.035874439	1	2	1	223	24.999	5.34	-	0.895	0.997														
													ALCASDVSK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl [C3]	-	0.895	0.997	2.003904343	0	1408.787022	2	704.897522	0.529295984	48.970414
50592994	TXN	thioredoxin isoform 1	75.23809524	6	44	6	105	11.73	4.92	1.107	1.044	1.026														
													YSNVIFLEVDVDDCQDVASECEVK	3	1	2xTMT6plex [N-Term; K24]; 2xCarbamidomethyl [C14; C21]	-	1.184	0.87	1.592354774	0	3291.580131	3	1097.860107	-4.363191478	113.4478214
													CMPTFQFFK	2	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl [C1]	-	0.92	0.958	0.693732917	0	1663.874063	2	832.44104	0.445290988	92.59075118
													CMPTFQFFK	5	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M2]; 1xCarbamidomethyl [C1]	0.835	0.78	0.769	1.511710763	0	1679.868978	3	560.6248779	-5.296252896	79.72952939
													LEATINELV	1	1	1xTMT6plex [N-Term]	1.17	-	-	0.924231231	0	1230.714285	2	615.861145	0.592256929	94.73242071
													LVVVDFSATWCGPCK	15	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl [C11; C14]	1.424	1.412	1.497	2.710534573	0	2197.154988	3	733.0578003	1.756452743	95.62057608
													VGEFSGANK	3	1	2xTMT6plex [N-Term; K9]	-	1.088	1.216	1.319062233	0	1366.773086	2	683.8908081	0.917285357	48.48078269
													TAFQEALDAAGDK	15	1	2xTMT6plex [N-Term; K13]	1.082	1.097	1.072	1.917912006	0	1794.9638	3	598.9924316	-0.589336746	74.17038276

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
7705696	TXNDC12	thioredoxin domain-containing protein 12 precursor	22.6744186	3	7	3	172	19.194	5.4	0.55	0.54	0.56														
													VHPEIINENGNPSYK	2	1	2xTMT6plex [N-Term; K15]	0.859	0.863	-	1.572997808	0	2169.170438	3	723.7280884	-0.334783873	51.22384493
													EAAASGLPLMVIIHK	3	1	2xTMT6plex [N-Term; K15]	0.535	0.498	0.531	2.231811762	0	2008.202924	3	670.0726318	0.20810537	92.62093409
													ILFLDPSGK	2	1	2xTMT6plex [N-Term; K9]	-	0.542	0.572	0.943488479	0	1447.892473	2	724.4491577	-0.990343095	92.39938294
14249348	TXNDC17	thioredoxin domain-containing protein 17	45.52845528	4	13	4	123	13.932	5.52	0.947	0.924	0.963														
													VTAVPTLLK	4	1	2xTMT6plex [N-Term; K9]	0.875	0.908	0.922	0.896003425	0	1399.928858	3	467.3138428	-1.345189562	78.09995974
													LVESECLQANLVEMLFSED	2	1	1xTMT6plex [N-Term]; 1xOxidation [M14];	1.156	-	1.336	1.657260299	0	2471.188309	3	824.4012451	0.353348856	104.2464604
													SWCPDCVQAEPVVR	3	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.207	1.201	1.257	0.779520094	0	1931.930519	2	966.4711914	2.374517331	60.20743648
													YEEVSVSGFEEFHR	4	1	1xTMT6plex [N-Term]	1.087	1.135	0.916	1.199788809	0	1943.933672	3	648.6491699	-0.368291565	64.57371486
42794771	TXNDC5	thioredoxin domain-containing protein 5 isoform 1 precursor	30.55555556	10	29	10	432	47.599	5.97	0.71	0.694	0.725														
													LQPTWNDLGDK	4	1	2xTMT6plex [N-Term; K11]	0.739	0.74	0.761	1.325564265	0	1744.963406	3	582.3260498	0.109179403	71.35563412
													VDCTAHSDVCSAQGVR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	0.78	0.673	-	1.284288287	0	1990.927224	2	995.97052	3.284499294	32.23266842
													IAEVDCTAER	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.809	0.659	0.608	1.333920598	0	1392.699045	2	696.8536377	0.684556099	42.00447804
													GYPTLLLFR	1	1	1xTMT6plex [N-Term]	-	0.455	-	1.522458553	0	1308.787724	2	654.8984985	1.525190278	92.44340903
													ALAPTWEQLALGLEHSETVK	9	1	2xTMT6plex [N-Term; K20]	0.73	0.713	0.736	2.062148094	0	2651.480873	3	884.4992065	0.827246739	95.28207688
													VDCTQHYELCSGNQVR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	0.837	0.681	1.405585051	0	2195.017102	3	732.3448486	1.317014084	42.27575928
													EFPGLAGVK	2	1	2xTMT6plex [N-Term; K9]	0.638	0.708	-	1.602665186	0	1375.834958	3	459.282959	-0.460939643	71.54040176
													TLAPTWEELSK	1	1	2xTMT6plex [N-Term; K11]	-	0.784	-	0.748330355	0	1732.988558	2	866.9998779	2.262836276	80.79374185
													GTVLALTENNFDDTIAEGITFIK	3	1	2xTMT6plex [N-Term; K23]	0.595	0.625	0.675	1.846739769	0	2940.597025	3	980.8704224	-0.105720081	102.593496
													DLDSLHR	2	1	1xTMT6plex [N-Term]	0.688	-	0.761	2.384339571	0	1084.594838	3	362.2033997	0.74455878	36.92713521
4759274	TXNL1	thioredoxin-like protein 1	3.114186851	1	1	1	289	32.231	4.96	-	1.388	-														
													SMDFEEAER	1	1	1xTMT6plex [N-Term]; 1xOxidation [M2]	-	1.388	-	0.828266263	0	1358.609562	2	679.8081665	-0.37199222	43.71035763
148277071	TXNRD1	thioredoxin reductase 1, cytoplasmic isoform 3	37.28813559	16	38	16	649	70.862	7.39	1.386	1.408	1.484														
													SYDYDLIIIGGGSGGLAAAK	2	1	2xTMT6plex [N-Term; K20]	1.477	-	1.203	1.502218604	0	2399.322247	3	800.4431763	-3.030685609	93.60749298
													VMVLDFVTPTPLGTR	3	1	1xTMT6plex [N-Term]	-	1.243	1.58	1.745018721	0	1875.061122	3	625.692688	1.274121049	98.23650241
													EAAQYGK	3	1	2xTMT6plex [N-Term; K7]	-	1.327	1.411	1.921996951	0	1224.698858	2	612.8530273	-0.06556918	31.49750088
													IGEHMEEHGIK	2	1	2xTMT6plex [N-Term; K11]	1.367	-	1.514	1.88591516	0	1737.935811	4	435.2388916	-1.193481219	40.09935365
													VEQIEAGTPGR	4	1	1xTMT6plex [N-Term]	1.338	1.695	1.628	1.663594961	0	1385.758609	2	693.3834229	0.692915143	43.59733123
													FLIATGERPR	2	1	1xTMT6plex [N-Term]	1.299	1.339	-	1.206444144	0	1388.82115	3	463.6117554	-0.314480175	50.22598099
													IPVTDEEQTNVPYIYAIGDILEDK	6	1	2xTMT6plex [N-Term; K24]	1.594	1.485	1.557	2.037261724	0	3193.692047	3	1065.236572	0.975791288	102.6170648
													GFDQDMANK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.442	0.995848715	0	1483.761535	2	742.385498	1.472348284	48.86182407
													LMHQAALLGQALQDSR	1	1	1xTMT6plex [N-Term]	1.384	-	-	1.422157288	0	1981.085045	3	661.0336304	0.652644007	73.25507059
													VVGFHVLGPNAGEVTQGFAAALK	4	1	2xTMT6plex [N-Term; K23]	0.785	1.365	1.272	1.656253695	0	2740.555041	3	914.1900635	0.217554356	93.28988706
													LYAGSTVK	1	1	2xTMT6plex [N-Term; K8]	1.421	-	-	0.805177629	0	1296.792759	2	648.8989258	-1.683991128	49.89774671
													VVYENAYGQFIGPHR	3	1	1xTMT6plex [N-Term]	1.546	1.284	1.496	2.229342699	0	1979.033661	3	660.3514404	3.085707526	65.30825876
													VELTPVAIQAGR	3	1	1xTMT6plex [N-Term]	1.089	1.307	-	2.52383256	0	1482.884144	2	741.9442139	-2.018098068	67.51690786
													VVAQSTNSEEIIEGEYNTVMLAIGR	1	1	1xTMT6plex [N-Term]	-	1.93	-	0.909227014	0	2952.518567	3	984.84729	2.963435111	98.07500688
													WGLGGTCVNVGCIPK	1	1	2xTMT6plex [N-Term; K15]; 2xCarbamidomethyl	1.535	-	-	0.956051767	0	2076.113458	3	692.7087402	-0.862460993	86.35263545
													ALEGTLSELAAETDLPVVFVK	1	1	2xTMT6plex [N-Term; K21]	1.4	-	-	1.652901292	0	2660.516255	4	665.8843384	-0.275030973	104.0342411
384229051	TYMP	thymidine phosphorylase isoform 2	19.71252567	6	19	6	487	50.373	5.53	0.303	0.314	0.329														
													DGPALSGPQSR	3	1	1xTMT6plex [N-Term]	0.437	0.483	0.282	1.423574686	0	1313.701094	2	657.3533325	-1.298324973	32.80133535
													ALPLALVLHELGAGR	2	1	1xTMT6plex [N-Term]	0.246	0.27	-	1.070582628	0	1759.079155	3	587.0316772	0.752352887	99.50742569
													HSTGGVGDK	3	1	2xTMT6plex [N-Term; K9]	0.336	0.351	0.364	1.165359378	0	1315.737035	3	439.2503967	-0.302328233	22.30965457
													LVEGLSALVVDVK	7	1	2xTMT6plex [N-Term; K13]	0.268	0.272	0.265	2.81287241	0	1800.124657	2	900.5656738	-0.325668418	99.54038151
													ALQEALVLSDRAPFAAPSPFAELVLPPQQ	1	1	1xTMT6plex [N-Term]	-	0.202	-	1.667549968	1	3304.814279	4	826.9590454	0.022037736	103.4855047
													DVTATVDSLPLITASILSK	3	1	2xTMT6plex [N-Term; K19]	-	0.334	0.356	1.182063341	0	2402.415813	3	801.4772949	0.632020326	103.7505858
6005926	U2AF2	splicing factor U2AF 65 kDa subunit isoform a	19.15789474	7	13	7	475	53.467	9.09	0.944	0.943	0.99														
													DSATGLSK	3	1	2xTMT6plex [N-Term; K8]	1.127	1.156	0.986	1.235501766	0	1236.719988	2	618.8635864	-0.073952421	38.29321735
													NFAFLEFR	2	1	1xTMT6plex [N-Term]	0.811	0.935	-	1.028127909	0	1272.693824	2	636.8509521	0.631524142	88.44389216
													ELLTSFGPLK	1	1	2xTMT6plex [N-Term; K10]	0.852	-	-	1.300837874	0	1562.955801	2	781.9832153	2.145200818	89.46698721
													QLNENK	1	1	2xTMT6plex [N-Term; K6]	-	1.007	-	1.396700978	0	1203.709757	2	602.3586426	0.20863522	32.67058654
													LGGLTQAPGNPVLAVQINQDK	2	1	2xTMT6plex [N-Term; K21]	0.803	0.795	-	1.378298402	0	2591.492106	4	648.6260986	-3.6819324	87.97548708
													SVDETTQAMAFDGIIFQGQSLK	2	1	2xTMT6plex [N-Term; K22]	0.969	0.732	-	2.556023121	0	2844.485366	3	948.8285522	-5.014042923	95.22376406
													LFIGGLPNYLNDDQVK	2	1	2xTMT6plex [N-Term; K16]	-	-	0.991	1.467814684	0	2264.269089	3	755.4281616	0.371922792	96.23863146
122937227	U2SURP	U2 snRNP-associated SURP motif-containing protein isoform 1	0.777453839	1	1	1	1029	118.219	8.47	-	-	1.016														
													EEHETDEK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.016	1.064408898	0	1474.742573	3	492.2522278	-0.300642565	25.56095247
156627575	UAP1	UDP-N-acetylhexosamine pyrophosphorylase	7.920792079	3	6	3	505	56.992	6.38	1.352	1.267	1.29														
													FVFDIFQFAK	3	1	2xTMT6plex [N-Term; K10]	1.421	1.268	1.29	1.384774923	0	1719.987436	2	860.4992676	2.222607079	104.8900049
													EFHAPLIIDENGVHELVK	1	1	2xTMT6plex [N-Term; K18]	1.344	-	-	1.338034749	0	2518.40698	4	630.3568726	-0.523928672	77.63528304
													TNPTEPVGVVCR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.262	1.265	-	1.463429093	0	1557.825643	2	779.4158936	-0.726878923	46.82559595
23510338	UBA1	ubiquitin-like modifier-activating enzyme 1	36.67296786	27	86	27	1058	117.774	5.76	1.213	1.162	1.156														
													VGPDTER	1	1	1xTMT6plex [N-Term]	1.436	-	-	0.648657441	0	1002.54174	2	501.7748108	0.603428273	23.4458113
													VGEFCHNR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.479	1.522	1.464	1.977890611	0	1247.615256	3	416.5430298	-0.577288974	28.52796441
													NGSEADIDEGLYSR	3	1	1xTMT6plex [N-Term]	1.003	1.176	1.228	1.359436393	0	1754.839438	2	877.9223633	-1.132740385	48.1566989
													YDGQVAVFGSDLQEK	6	1	2xTMT6plex [N-Term; K15]	1.006	1.033	1.023	1.914083958	0	2114.117006	3	705.3779297	1.054942794	74.23814373
													QLYVLGHEAMK	2	1	2xTMT6plex [N-Term; K11]	1.137	1.136	-	1.899265647	0	1746.997683	3	583.0033569	-1.239371546	62.45814534
													QPAENVNQYLTDPK	1	1	2xTMT6plex [N-Term; K14]	1.054	-	-	1.779035091	0	2075.11734	2	1038.060303	-1.93293226	61.80142364
													AAVATFLQSVQVPEFTPK	5	1	2xTMT6plex [N-Term; K18]	0.946	0.954	0.973	2.386089325	0	2391.368803	4	598.5980225	0.609062788	99.06666535
													YFLVGAGAIGCELLK	11	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.368	1.434	1.354	2.941786766	0	2069.18694	3	690.4009399	0.641002605	98.84848773
													SLVASLAEPDFVVTDFAK	6	1	2xTMT6plex [N-Term; K18]	1.313	1.192	1.412	2.404709578	0	2367.321185	2	1184.163696	-0.451392858	99.27437469
													NGFLNLALPFFGFSEPLAAPR	2	1	1xTMT6plex [N-Term]	-	0.949	0.975	1.711894989	0	2507.364832	3	836.4589233	-1.042875945	108.1111812
													GLGVEIAK	2	1	2xTMT6plex [N-Term; K8]	1.275	-	1.283	1.579414487	0	1244.797844	2	622.9030762	0.828723921	62.59317883

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													IYDDDFFQNLDGVANALDNVDAR	4	1	1xTMT6plex [N-Term]	1.293	1.295	1.267	1.41839695	0	2829.352882	2	1415.180054	-0.018173104	100.3844463
													SDTAAAAVR	1	1	1xTMT6plex [N-Term]	-	1.24	-	0.585825384	0	1090.605403	2	545.8062744	-0.119779229	36.70998017
													KPLLESGTLGTK	3	1	3xTMT6plex [N-Term; K1; K12]	0.857	0.845	0.882	1.259727836	0	1931.214424	3	644.4099731	0.487674275	64.27687377
													ALPAVQQNNLDEDLIR	2	1	1xTMT6plex [N-Term]	-	-	1.064	1.609105468	0	2038.113034	3	680.0440063	2.174601161	75.40065614
													LAYVAAGDLAPINAFIGGLAAQEVMK	8	1	2xTMT6plex [N-Term; K26]	1.198	1.245	1.074	2.829811811	0	3061.716034	3	1021.245117	1.555938711	107.06455
													LAYVAAGDLAPINAFIGGLAAQEVMK	4	1	2xTMT6plex [N-Term; K26]; 1xOxidation [M25]	1.047	1.183	1.113	1.374171972	0	3077.710949	4	770.1842041	1.311707407	105.4412005
													LAGTQPLEVLEAVQR	5	1	1xTMT6plex [N-Term]	1.264	1.38	1.36	1.766491652	0	1853.069378	3	618.3595581	-2.836932959	92.6849346
													ATLPSPDK	1	1	2xTMT6plex [N-Term; K8]	1.375	-	-	0.731052399	0	1286.772023	2	643.8893433	-0.476670732	50.27894513
													DNPGVVTCLDEAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	0.896	1.287046909	0	1674.83185	2	837.9208984	1.594145108	53.50814224
													VLGPYTFSICDTSNFSDYIR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.041	1.787066102	0	2584.259106	3	862.0914917	0.315814948	97.65773008
													IHVSDQELQSANASVDDSRLEELK	1	1	2xTMT6plex [N-Term; K24]	1.567	-	-	0.874179125	1	3141.642806	4	786.1660767	-0.104648872	65.42493082
													MYPIDFEK	1	1	2xTMT6plex [N-Term; K8]	-	1.199	-	0.946792901	0	1500.817259	2	750.9113159	-1.268411628	78.01089399
													NEEDAAELVALAQAVNAR	5	1	1xTMT6plex [N-Term]	1.303	1.218	1.25	2.198434591	0	2113.108677	3	705.0400391	-1.472996886	92.28908543
													GNVQVVIPFLTESYSSSQDPPEK	3	1	2xTMT6plex [N-Term; K23]	-	1.304	1.299	1.324633479	0	2979.571538	4	745.6483154	-0.035706896	95.62002638
													AENYDIPSADR	2	1	1xTMT6plex [N-Term]	-	1.193	1.236	1.621478796	0	1479.727703	2	740.3692627	2.396495395	44.88415244
													LQTSSVLVSGLR	1	1	1xTMT6plex [N-Term]	-	0.78	-	2.17066884	0	1488.894708	2	744.9503174	-0.906870289	68.64585687
													ALPAVQQNNLDEDLIRK	1	1	2xTMT6plex [N-Term; K17]	-	1.7	-	1.893726349	1	2395.370929	4	599.597229	-1.604150042	73.34643546
4885649	UBA2	SUMO-activating enzyme subunit 2	0.9375	1	1	1	640	71.179	5.29	-	-	0.938														
													VHLAEK	1	1	2xTMT6plex [N-Term; K6]	-	-	0.938	1.920504212	0	1154.729765	3	385.5811157	-0.840640002	36.96800405
38045942	UBA3	NEDD8-activating enzyme E1 catalytic subunit isoform 1	7.991360691	2	3	2	463	51.819	5.45	0.55	-	0.909														
													IIPAVASTNAVIAAVCATEVFK	2	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	0.382	-	0.909	1.363454103	0	2703.55193	3	901.8548584	-0.705654908	104.8928527
													VLVIGAGGLGCELLK	1	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	0.852	-	-	1.436210632	0	1957.192026	2	979.0999146	0.269192576	96.49282353
150417996	UBA6	ubiquitin-like modifier-activating enzyme 6	0.855513308	1	1	1	1052	117.895	6.14	-	1.84	-														
													AILSNEATK	1	1	2xTMT6plex [N-Term; K9]	-	1.84	-	1.598962903	0	1404.846251	2	702.9272461	0.686763765	50.09336195
55770884	UBAC1	ubiquitin-associated domain-containing protein 1	6.419753086	1	1	1	405	45.31	4.92	-	-	1.092														
													GIDPDSPLFQAILDNPVVQLGLTNPK	1	1	2xTMT6plex [N-Term; K26]	-	-	1.092	1.704910636	0	3219.802935	4	805.7034302	-3.430100257	109.0774531
188497758	UBAP2L	ubiquitin-associated protein 2-like isoform a	0.827966881	1	3	1	1087	114.465	7.11	1.176	1.112	1.283														
													IDLAVLLGK	3	1	2xTMT6plex [N-Term; K9]	1.176	1.112	1.283	1.714263678	0	1399.928858	2	700.4682617	0.277569462	99.89919704
33149324	UBE2D3	ubiquitin-conjugating enzyme E2 D3 isoform 3	23.48993289	2	6	2	149	16.882	7.74	1.195	-	1.206														
													SQWSPALTISK	4	1	2xTMT6plex [N-Term; K11]	1.166	-	1.226	1.781852722	0	1675.978327	3	559.3322144	2.24485982	73.87783723
													VLLSICSLLCDPNPDDPLVPEIAR	2	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	1.426	-	1.096	0.949048102	0	2935.547031	3	979.1862793	-0.935668666	104.3721281
35493996	UBE2I	SUMO-conjugating enzyme UBC9	19.62025316	3	11	3	158	17.995	8.66	1.152	1.192	1.164														
													DDYPSSPPK	3	1	2xTMT6plex [N-Term; K9]	1.135	1.11	1.15	1.358605504	0	1463.778231	2	732.3925781	-0.239879234	41.82380327
													DHPFGFVAVPTK	2	1	2xTMT6plex [N-Term; K12]	1.091	-	1.094	1.58760035	0	1773.009962	3	591.6755371	1.182231442	68.76270257
													GTPWEGGLFK	6	1	2xTMT6plex [N-Term; K10]	1.199	1.217	1.23	1.785838842	0	1549.877885	3	517.2961426	-2.587801054	80.820405
4885417	UBE2K	ubiquitin-conjugating enzyme E2 K isoform 1	27	4	8	4	200	22.393	5.44	0.933	1.073	1.044														
													NAVIVALSSK	4	1	2xTMT6plex [N-Term; K10]	-	1.093	1.044	1.25532639	0	1459.924835	3	487.312439	-1.419111052	74.37527211
													LWAHVYAGAPVSSPEYTK	2	1	2xTMT6plex [N-Term; K18]	0.846	0.861	-	2.158451796	0	2434.317102	3	812.1107788	0.279715317	75.72144576
													IPETYPFNPPK	1	1	2xTMT6plex [N-Term; K11]	0.895	-	-	1.207751393	0	1760.998729	2	881.0019531	-1.191903189	75.39232227
													GEIAGPPDTPYEGGR	1	1	1xTMT6plex [N-Term]	1.197	-	-	0.563757002	0	1744.870344	2	872.9379883	-0.942211842	49.24326184
373432684	UBE2L3	ubiquitin-conjugating enzyme E2 L3 isoform 4	41.03773585	6	21	6	212	23.989	8.75	1.297	1.3	1.302														
													TDQVIQSLIALVNDPQPEHPLR	6	1	1xTMT6plex [N-Term]	1.141	1.131	1.051	2.266485453	0	2712.488194	3	904.8328857	-1.507852991	100.2535294
													IYHPNIDEK	2	1	2xTMT6plex [N-Term; K9]	1.341	1.405	-	1.693827748	0	1586.894264	3	529.6364136	0.267139825	49.13463088
													IEINFPAEYPFKPPK	5	1	3xTMT6plex [N-Term; K12; K15]	1.366	1.358	1.346	1.982154489	0	2477.44113	3	826.4820557	-3.841034888	93.09651319
													ADLAEEYSK	3	1	2xTMT6plex [N-Term; K9]	1.268	1.355	1.321	1.332309484	0	1483.804445	2	742.4047852	-1.450182675	55.53988816
													NAEEFTK	2	1	2xTMT6plex [N-Term; K7]	-	1.163	1.292	1.366674304	0	1296.719988	2	648.8638916	0.400158191	51.67625691
													NIQVDEANLLTWQGLIVPDNPPYDK	3	1	2xTMT6plex [N-Term; K25]	1.149	-	1.293	1.989916205	0	3310.772363	3	1104.261353	-0.863488183	100.212672
4759282	UBE2L6	ubiquitin/ISG15-conjugating enzyme E2 L6 isoform 1	21.56862745	2	5	2	153	17.757	7.88	0.399	0.36	0.369														
													TCQVLEALNVLVNRPNIR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.284	0.36	0.326	2.251149178	0	2338.32265	3	780.1077271	-5.996459753	94.90122998
													MDLADLLTQNPELFR	2	1	1xTMT6plex [N-Term]	0.544	-	0.476	2.071050644	0	2005.062578	3	669.0257568	0.069393252	100.7022068
4507791	UBE2M	NEDD8-conjugating enzyme Ubc12	19.12568306	4	8	4	183	20.887	7.69	1.144	1.294	1.266														
													KEEESAGGTK	2	1	3xTMT6plex [N-Term; K1; K10]	1.173	-	1.253	1.44741261	1	1722.98409	3	574.9992676	-0.487906783	26.35546568
													TCDISFSDPDDLLNFK	2	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	-	1.422	1.096	1.531011343	0	2345.173534	3	782.3962402	0.269964297	94.76887238
													DINELNLPK	2	1	2xTMT6plex [N-Term; K9]	1.062	-	1.323	1.855771899	0	1513.899015	3	505.3046875	0.32675231	70.35181024
													EEESAGGTK	2	1	2xTMT6plex [N-Term; K9]	-	1.242	1.318	1.515462041	0	1365.726195	2	683.3664551	-0.411241837	28.75132809
4507793	UBE2N	ubiquitin-conjugating enzyme E2 N	48.02631579	6	25	6	152	17.127	6.57	1.293	1.338	1.332														
													LELFLPEEYPMAAPK	8	1	2xTMT6plex [N-Term; K15]	1.31	1.315	1.317	1.659716249	0	2206.223385	4	552.3110962	-0.376224085	98.99240684
													LELFLPEEYPMAAPK	4	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M11]	1.271	1.324	1.376	1.578619003	0	2222.2183	3	741.4074097	-4.780883181	95.9098042
													YFHVVIAGPQDSPFEGGTFK	3	1	2xTMT6plex [N-Term; K20]	1.278	1.18	1.294	2.345516682	0	2654.401894	3	885.473877	1.952676942	89.1636684
													IYHPNVDK	1	1	2xTMT6plex [N-Term; K8]	1.294	-	-	0.975292027	0	1443.83602	3	481.9504089	0.452320507	42.80488075
													AEPDESNAR	3	1	1xTMT6plex [N-Term]	-	1.208	1.4	1.290563226	0	1217.59596	2	609.3015747	-0.071843157	20.97752356
													TNEAQAIETAR	4	1	1xTMT6plex [N-Term]	1.156	1.384	1.188	1.92392242	0	1432.759337	2	716.8824463	-1.201277723	35.41312884
													LLAEPVPGIK	2	1	2xTMT6plex [N-Term; K10]	-	1.404	-	1.863028288	0	1494.965972	2	747.9856567	-1.2944331	80.35414024
4507797	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	13.10344828	2	5	2	145	16.352	8.09	1.569	1.366	1.564														
													YPEAPPSVR	1	1	1xTMT6plex [N-Term]	-	1.112	-	0.974662423	0	1244.683653	2	622.8453369	-0.205620018	44.66630855
													LLEELEEGQK	4	1	2xTMT6plex [N-Term; K10]	1.569	1.493	1.564	1.660584331	0	1645.941273	3	549.3186646	0.101572484	78.28487924
193083197	UBLCP1	ubiquitin-like domain-containing CTD phosphatase 1	3.144654088	1	3	1	318	36.781	6.46	0.828	0.833	0.791														
													LDDFLDLNHK	3	1	2xTMT6plex [N-Term; K10]	0.828	0.833	0.791	1.72999239	0	1687.941942	3	563.3158569	-5.287154135	81.3079833
16753203	UBQLN1	ubiquilin-1 isoform 1	5.093378608	2	2	2	589	62.479	5.11	-	-	1.066														
													SHTDQLVLIFAGK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.24	1.138885975	0	1887.110404	3	629.7080688	-0.397908373	81.50341987
													ALSNLESIPGGYNALRR	1	1	1xTMT6plex [N-Term]	-	-	0.923	1.498624086	1	2060.145003	3	687.3855591	-1.397267621	68.48695318
82659109	UBR4	E3 ubiquitin-protein ligase UBR4	1.562801466	5	7	5	5183	573.476	6.04	1.258	1.458	1.146														

Patil et. al., 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													LEQVSSDEGIGTLAENLLEALR	3	1	1xTMT6plex [N-Term]	1.226	1.161	1.255	1.098129392	0	2586.382392	3	862.8001099	1.308712066	105.8269257
													HASTSSPADK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.14	0.712990105	0	1458.795278	3	486.9368896	0.574381701	25.33817671
													IISLDLPVAEVYK	1	1	2xTMT6plex [N-Term; K13]	1.566	-	-	1.268019199	0	1918.166522	3	640.0604858	0.199257743	98.32126957
													AVWLPGSQTELAIVTADFVK	1	1	2xTMT6plex [N-Term; K20]	1.054	-	-	2.031626463	0	2603.484896	3	868.4969482	-3.304906225	102.4162
													LLTSLFQDLQVEALHK	1	1	2xTMT6plex [N-Term; K16]	-	1.503	-	2.002244711	0	2313.358239	3	771.7921143	1.53487401	102.2073735
21361091	UCHL1	ubiquitin carboxyl-terminal hydrolase isozyme L1	33.1838565	6	17	6	223	24.808	5.48	3.441	4.099	3.043														
													GQEVSPK	2	1	2xTMT6plex [N-Term; K7]	-	4.28	4.332	1.985855937	0	1202.714508	2	601.861084	0.318378757	30.56002062
													NEAIQAAHDAVAQEGQCR	6	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	4.364	2.978	3.09	1.770029187	0	2197.061743	3	733.0272217	2.44342658	48.57789316
													FSAVALCK	2	1	2xTMT6plex [N-Term; K8]; 1xCarbamidomethyl	3.332	-	3.499	1.977150083	0	1353.796464	2	677.4011841	-1.013952964	67.83455863
													QTIGNSCGTIGLIHAVANNQDK	4	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	2.013	4.639	1.649	1.916689515	0	2769.471782	3	923.8289185	0.151762187	71.33350392
													EFTEREQGEVR	1	1	1xTMT6plex [N-Term]	-	-	1.945	1.058410645	1	1608.817915	3	536.9442139	0.108036815	32.71547012
													QFLSETEK	2	1	2xTMT6plex [N-Term; K8]	4.45	4.168	-	2.244174719	0	1439.814616	3	480.6095581	-0.343942608	57.0595621
5174741	UCHL3	ubiquitin carboxyl-terminal hydrolase isozyme L3 isoform 2	21.30434783	3	7	3	230	26.166	4.92	1.646	2.06	1.912														
													WLPLEANPEVTNQFLK	5	1	2xTMT6plex [N-Term; K16]	1.962	2.06	2.107	1.874768376	0	2357.326939	2	1179.166016	-0.926498554	97.97683846
													QTISNACGTIGLIHAIANNK	1	1	2xTMT6plex [N-Term; K20]; 1xCarbamidomethyl	-	-	1.656	1.253615022	0	2554.417562	3	852.1443481	0.363931727	79.73122023
													FLEESVSMSPEER	1	1	1xTMT6plex [N-Term]	1.226	-	-	0.894449592	0	1768.862481	2	884.9313965	-3.937587757	68.8749445
7706753	UCHL5	ubiquitin carboxyl-terminal hydrolase isozyme L5 isoform 1	5.167173252	1	1	1	329	37.583	5.33	-	1.037	-														
													GAQVEEIWSLEPENFEK	1	1	2xTMT6plex [N-Term; K17]	-	1.037	-	1.011731505	0	2463.280776	3	821.7640991	-1.230926149	92.76388029
29501813	UFD1L	ubiquitin fusion degradation protein 1 homolog isoform A	4.885993485	1	2	1	307	34.478	6.7	1.548	1.658	-														
													FQPQSPDFLDITNPK	2	1	2xTMT6plex [N-Term; K15]	1.548	1.658	-	1.617957592	0	2205.19559	3	735.7362671	-0.608649171	90.70562447
7705300	UFM1	ubiquitin-fold modifier 1 isoform 1 precursor	50.58823529	2	8	2	85	9.112	9.31	1.19	1.02	1.153														
													VPAATSAIITNDGIGINPAQTAGNVFLK	4	1	2xTMT6plex [N-Term; K28]	1.186	0.878	1.16	2.947966576	0	3211.809083	3	1071.272583	-1.833015727	96.77539397
													VLSVPESTPFTAVLK	4	1	2xTMT6plex [N-Term; K15]	1.197	1.035	1.143	1.69530654	0	2046.225099	2	1023.610107	-5.943273911	96.39462032
9910280	UGGT1	UDP-glucose:glycoprotein glucosyltransferase 1 precursor	5.78778135	8	10	8	1555	177.078	5.63	0.894	0.86	1.136														
													ILASPVELALVVMK	2	1	2xTMT6plex [N-Term; K14]	1.021	1.64	-	1.762188554	0	1941.222263	2	971.1137695	-1.030478343	106.6871233
													EISYENTQISR	2	1	1xTMT6plex [N-Term]	0.955	-	1.136	1.321878076	0	1568.811767	2	784.9089355	-0.747104449	45.53306226
													LGIEGLSLHNVLK	1	1	2xTMT6plex [N-Term; K13]	0.849	-	-	0.958137393	0	1851.14679	3	617.7220459	2.590143223	85.6850698
													FLFVDADQIVR	1	1	1xTMT6plex [N-Term]	0.889	-	-	0.983224928	0	1551.873245	2	776.4390259	-1.591336274	94.54235443
													AITTSLTTK	1	1	2xTMT6plex [N-Term; K9]	-	0.937	-	0.946977079	0	1393.866652	2	697.4360962	-1.245526023	55.8244342
													EVFESSK	1	1	2xTMT6plex [N-Term; K7]	-	0.71	-	1.427925229	0	1283.724739	2	642.3668213	1.267591156	46.49523218
													TEVEENQK	1	1	2xTMT6plex [N-Term; K8]	-	1.224	-	1.493328333	0	1434.784044	2	717.8952637	-0.553160772	30.16109089
													YVLEPEISFTSDNSFAK	1	1	2xTMT6plex [N-Term; K17]	-	0.856	-	1.239305615	0	2405.264064	3	802.4266357	0.536492679	92.55084173
48255966	UGP2	UTP--glucose-1-phosphate uridylyltransferase isoform	16.92913386	8	18	8	508	56.905	8.15	1.682	1.368	1.638														
													AHVDEFK	2	1	2xTMT6plex [N-Term; K7]	1.585	1.614	-	1.403497696	0	1303.741058	3	435.2524719	1.384478516	38.59038171
													TLDGGLNVIQLETAVGAAIK	3	1	2xTMT6plex [N-Term; K20]	1.666	1.633	1.594	1.518268108	0	2441.437946	3	814.4836426	-0.643508318	100.6050989
													GGTLTQYEGK	2	1	2xTMT6plex [N-Term; K10]	1.542	-	1.736	1.435512185	0	1511.846979	2	756.4273682	0.317960833	50.72964423
													REFPTVPLVK	1	1	2xTMT6plex [N-Term; K10]	2.159	-	-	1.847292185	1	1644.024884	3	548.6798096	-0.005072345	66.28687696
													LVEIAQVPK	3	1	2xTMT6plex [N-Term; K9]	-	1.522	1.683	0.903285623	0	1454.934672	2	727.9719238	1.305327508	76.03376508
													NENTFLDLTVQQIEHLNK	5	1	2xTMT6plex [N-Term; K18]	1.599	1.085	1.592	1.937814713	0	2614.424086	3	872.1411743	-5.782015573	94.8019573
													EFPTVPLVK	1	1	2xTMT6plex [N-Term; K9]	-	0.751	-	1.575420618	0	1487.923773	2	744.4640503	-1.98187173	84.12459607
													GLPDNISSVLNK	1	1	2xTMT6plex [N-Term; K12]	-	-	1.486	1.810386777	0	1715.010356	3	572.3432007	2.736409588	82.68702265
313151226	UIMC1	BRCA1-A complex subunit RAP80 isoform 1	1.668984701	1	3	1	719	79.678	5.45	-	0.846	0.596														
													ADQGDGPEGSGR	3	1	1xTMT6plex [N-Term]	-	0.846	0.596	1.155707717	0	1374.644701	2	687.8250122	-1.421084252	20.39246288
13376824	ULBP2	NKG2D ligand 2 preproprotein	4.471544715	1	1	1	246	27.35	7.3	0.624	-	-														
													EVVDILTEQLR	1	1	1xTMT6plex [N-Term]	0.624	-	-	1.272681117	0	1543.889289	3	515.2993774	-3.698151042	91.39169653
566006139	UPP1	uridine phosphorylase 1 isoform a	10	3	6	3	310	33.912	7.88	0.504	0.503	0.502														
													AESHNDCPVR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.539	0.503	0.488	1.623212576	0	1413.674228	3	471.8959656	-0.625435102	18.9739133
													HNFPALFGDVK	2	1	2xTMT6plex [N-Term; K11]	0.447	-	0.512	2.08978653	0	1702.968097	3	568.3270264	-0.922705739	72.26560139
													AEFEQIVLGK	1	1	2xTMT6plex [N-Term; K10]	0.512	-	-	0.948974311	0	1591.945965	2	796.4768677	0.310294177	84.55890973
197333811	URB2	unhealthy ribosome biogenesis protein 2 homolog	0.721784777	1	1	1	1524	170.435	7.31	-	1.266	-														
													GSIDDLPTVLK	1	1	2xTMT6plex [N-Term; K11]	-	1.266	-	1.265218496	0	1615.967094	3	539.328125	1.687948975	83.69402604
71051616	UROD	uroporphyrinogen decarboxylase	13.35149864	5	9	5	367	40.761	6.14	0.776	0.977	0.963														
													QMLDDFGPHR	1	1	1xTMT6plex [N-Term]	0.707	-	-	0.806750715	0	1444.720449	3	482.2452698	0.558444488	51.72384929
													FALPYIR	1	1	1xTMT6plex [N-Term]	-	1.031	-	1.243950129	0	1108.671632	2	554.8399048	0.812621417	83.28056196
													LRDPEVVASELGYVFQAITLTR	3	1	1xTMT6plex [N-Term]	0.856	0.895	0.953	1.535292983	1	2706.502781	3	902.8395996	0.540959402	103.5022183
													AAQDFFSTCR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.973	-	-	0.546301901	0	1431.688815	2	716.3468018	-1.737950558	55.75033362
													DPEVVASELGYVFQAITLTR	3	1	1xTMT6plex [N-Term]	1.008	1.197	1.198	2.586776018	0	2437.317607	3	813.1100464	-0.829054793	109.0532239
586798211	USO1	general vesicular transport factor p115 isoform 1	4.419321686	3	5	3	973	109.127	4.89	1.051	0.985	1.23														
													TLEQHDNIVTHYK	2	1	2xTMT6plex [N-Term; K13]	1.056	-	1.268	1.016728163	0	2056.12276	4	514.7861938	0.090379149	44.82420938
													EQDDLLVLLADQDQK	2	1	2xTMT6plex [N-Term; K15]	1.034	-	1.085	1.038107395	0	2201.206549	3	734.406189	-1.151679959	93.81629943
													QSEDLGSQFTEIFIK	1	1	2xTMT6plex [N-Term; K15]	-	0.985	-	0.905861676	0	2200.19017	3	734.0678711	-0.504687624	94.40423644
4827050	USP14	ubiquitin carboxyl-terminal hydrolase 14 isoform a	18.62348178	8	24	8	494	56.033	5.3	1.203	1.141	1.153														
													ETDSSSASAATPSK	6	1	2xTMT6plex [N-Term; K14]	1.193	1.121	1.22	2.201208591	0	1796.927808	2	898.9680176	0.529062017	31.85867685
													AQLFALTGVQPAR	4	1	1xTMT6plex [N-Term]	1.205	1.248	-	1.766833067	0	1600.937242	2	800.9703369	-2.401525665	79.6957287
													VNQQPNTSDK	5	1	2xTMT6plex [N-Term; K10]	1.115	1.077	1.066	1.68951273	0	1588.869505	3	530.2949829	0.560266571	30.53577412
													VSIVTPEDILR	2	1	1xTMT6plex [N-Term]	1.333	-	1.277	1.003513455	0	1470.87291	2	735.9370728	-4.107378785	89.11413723
													CTESEEEEVTK	1	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	1.557	-	-	1.138939738	0	1798.878081	2	899.9413452	-1.482585363	37.28293198
													DDDWGNIK	1	1	2xTMT6plex [N-Term; K8]	1.304	-	-	1.810537577	0	1420.747265	2	710.8768921	-0.533135154	55.91057425
													ENQLQLSCFINQEVK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	1.094	1.075	-	1.572109699	0	2308.237138	3	770.079834	-5.280647589	87.93109429
													LEAIEDDSVK	3	1	2xTMT6plex [N-Term; K10]	1.228	1.199	-	1.868626714	0	1576.883424	2	788.9456177	0.33910025	63.73133018
260064009	USP24	ubiquitin carboxyl-terminal hydrolase 24	0.458015267	1	1	1	2620	294.178	6.14	-	1.285	-														
													QDSSSEVGENGR	1	1	1xTMT6plex [N-Term]	-	1.285	-	1.575843453	0	1493.702944	2	747.3554077	0.397977181	21.12087563

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
56550051	USP39	U4/U6.U5 tri-snRNP-associated protein 2 isoform 1	2.831858407	1	2	1	565	65.34	8.91	0.396	-	0.517														
													EQLIIPQVPLFNILAK	2	1	2xTMT6plex [N-Term; K16]	0.396	-	0.517	1.613724828	0	2294.425196	3	765.4790039	-1.193218787	105.9702039
148727331	USP5	ubiquitin carboxyl-terminal hydrolase 5 isoform 1	3.146853147	3	4	3	858	95.725	5.03	0.877	0.952	-														
													HAFSLK	1	1	2xTMT6plex [N-Term; K6]	0.866	-	-	1.75702095	0	1160.7192	3	387.5782471	0.851188589	45.33819673
													IVILPDYLEIAR	2	1	1xTMT6plex [N-Term]	0.963	0.884	-	1.65308249	0	1643.99336	2	822.500061	-0.312847789	98.20616283
													ETGYPLAVK	1	1	2xTMT6plex [N-Term; K9]	-	0.982	-	1.396000743	0	1435.856087	2	718.4319458	0.367572744	59.75279387
145309309	USP9X	probable ubiquitin carboxyl-terminal hydrolase FAF-X isoform	0.544747082	2	3	2	2570	292.094	5.8	1.384	1.38	-														
													GAYLNALK	1	1	2xTMT6plex [N-Term; K8]	-	-	-	1.397998929	0	1307.808743	2	654.4080811	0.10883042	57.72612435
													AIDIIK	4	1	2xTMT6plex [N-Term; K6]	1.384	1.38	-	2.148501396	0	1130.754917	2	565.8810425	-0.095873174	59.25646543
14043026	VAMP8	vesicle-associated membrane protein 8	10	1	3	1	100	11.431	7.34	0.544	0.5	0.507														
													NLQSEVEGVK	3	1	2xTMT6plex [N-Term; K10]	0.544	0.5	0.507	2.019159317	0	1560.899743	2	780.9550781	2.009622985	53.73318197
94721250	VAPA	vesicle-associated membrane protein-associated protein A	7.823129252	2	4	2	294	32.593	8.91	0.403	0.428	0.391														
													GPFTDVVTTNLK	3	1	2xTMT6plex [N-Term; K12]	0.403	0.408	0.391	2.185599327	0	1750.015107	3	584.0077515	-3.660377241	80.39803253
													CVFEMPNENDK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M5];	-	0.509	-	0.650340378	0	1856.892292	2	928.9504395	0.705870909	51.59845612
4507869	VASP	vasodilator-stimulated phosphoprotein	6.578947368	2	5	2	380	39.805	8.94	-	0.473	0.789														
													RQQPGPSEHIER	4	1	1xTMT6plex [N-Term]	-	0.473	0.917	1.584666371	1	1662.887332	4	416.4770203	-0.649680403	21.13791394
													EEIIEAFVQELRK	1	1	2xTMT6plex [N-Term; K13]	-	-	0.682	1.300377488	1	2062.194862	3	688.0705566	1.093345695	99.40330929
18379349	VAT1	synaptic vesicle membrane protein VAT-1 homolog	11.19592875	2	2	2	393	41.893	6.29	-	0.883	-														
													EVAEAATGEDASSPPPK	1	1	2xTMT6plex [N-Term; K17]	-	0.937	-	1.625479698	0	2114.101749	3	705.3716431	-0.649633246	46.72177228
													TEAASDPQHPAASEGAAAAAASPPLLR	1	1	1xTMT6plex [N-Term]	-	0.802	-	1.694931984	0	2786.42705	3	929.4793701	-1.253622785	53.25085644
746816135	VBP1	prefoldin subunit 3 isoform 2	24.46351931	5	6	5	233	26.519	9.01	1.11	1.021	1.177														
													LHLGIPEAVFVEDVDSFMK	1	1	2xTMT6plex [N-Term; K19]	-	1.044	-	1.316141009	0	2604.414767	3	868.8093262	-0.515292108	100.7495187
													ESTNSMETR	2	1	1xTMT6plex [N-Term]	1.354	-	1.363	1.007487297	0	1283.609896	2	642.3092041	0.962779369	21.83252507
													FLLADNLYCK	1	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.09	-	-	1.190755963	0	1714.960235	3	572.3253174	0.678720366	91.1234296
													QPGNETADTVLK	1	1	2xTMT6plex [N-Term; K12]	-	1.008	-	1.017800093	0	1730.968885	2	865.9869385	-1.319825501	51.22580522
													NLSTATK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.164	1.238391876	0	1192.730158	2	596.8682251	-0.825764889	36.79682502
21361116	VCAN	versican core protein isoform 1 precursor	0.853945819	3	4	3	3396	372.59	4.51	0.846	0.726	-														
													DPEAAEAR	1	1	1xTMT6plex [N-Term]	-	0.733	-	0.834003687	0	1087.558118	2	544.2822876	-0.753720352	23.54920441
													YTLNFEAAQK	1	1	2xTMT6plex [N-Term; K10]	1.022	-	-	1.617088199	0	1642.920478	2	821.963623	-0.309690126	67.07838102
													AQCGGGLLGVR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	0.795	0.722	-	0.963622272	0	1316.73062	2	658.8689575	0.013692294	49.19540331
7669550	VCL	vinculin isoform meta-VCL	35.89065256	36	97	36	1134	123.722	5.66	1.071	1.105	1.071														
													GLVAEGHR	1	1	1xTMT6plex [N-Term]	-	-	1.162	2.166984558	0	1067.615908	3	356.5431824	-0.856245071	22.95678946
													LTDELAPPKPPLPEGEVPPPRPPPPEEK	1	1	3xTMT6plex [N-Term; K9; K28]	-	-	1.297	0.90291518	0	3711.097609	4	928.5296021	-0.277838792	82.31604669
													ELLPVLISAMK	8	1	2xTMT6plex [N-Term; K11]	1.099	1.092	1.112	1.986679554	0	1672.048321	3	558.0211792	0.39652422	101.0371454
													ELLPVLISAMK	1	1	2xTMT6plex [N-Term; K11]; 1xOxidation [M10]	1.136	-	-	2.048180342	0	1688.043236	3	563.350708	-3.356292327	94.7355268
													GILSGTSDLLLTFDEAEVRK	2	1	2xTMT6plex [N-Term; K20]	0.963	-	1.005	1.559054017	1	2622.475453	3	874.8306274	0.71531431	96.75116405
													ELTPQVVSAAR	2	1	1xTMT6plex [N-Term]	1.08	-	1.082	1.308996916	0	1399.810644	2	700.4086304	-0.471726526	52.52065028
													AIPDLTAPVAAVQAAVSNLVR	5	1	1xTMT6plex [N-Term]	0.852	0.935	1.047	1.654227495	0	2305.344096	3	769.1202393	0.897195105	106.4760262
													GVGQAAIR	3	1	1xTMT6plex [N-Term]	1.25	1.304	1.376	2.044942856	0	1000.610094	2	500.8084717	-0.427379883	31.01795621
													IPTISTQLK	2	1	2xTMT6plex [N-Term; K9]	0.796	-	0.887	1.023672223	0	1458.929586	2	729.9684448	0.018204057	72.13697301
													AQQVSQGLDVLTAK	8	1	2xTMT6plex [N-Term; K14]	1.101	0.884	0.872	2.097538471	0	1916.121697	3	639.3788452	0.148902093	77.17812499
													LLAVAATAPPDAPNREEVFDER	1	1	1xTMT6plex [N-Term]	1.087	-	-	1.203203201	1	2610.372496	3	870.7957153	0.037219245	73.53651264
													AAAVGTANK	4	1	2xTMT6plex [N-Term; K9]	1.006	0.914	0.916	1.38273859	0	1260.767607	2	630.8876953	0.402449268	43.65477422
													DPSASPGDAGEQAIR	2	1	1xTMT6plex [N-Term]	1.557	-	1.289	1.845569134	0	1699.844857	2	850.427002	1.099980532	37.64864281
													QILDEAGK	4	1	2xTMT6plex [N-Term; K8]	0.952	1.066	1.104	1.485090852	0	1331.793487	3	444.6026306	-0.111401879	58.80347938
													ETVQTTEDQILK	2	1	2xTMT6plex [N-Term; K12]	-	1.087	-	1.553463697	0	1863.047529	3	621.6876831	0.519040116	64.25578259
													SLLDASEEAIK	3	1	2xTMT6plex [N-Term; K11]	1.001	1.192	1.097	1.361190438	0	1633.941273	2	817.4747925	0.633511715	75.90141863
													MTGLVDEAIDTK	1	1	2xTMT6plex [N-Term; K12]	1.114	-	-	1.258370042	0	1750.966108	2	875.9863892	-0.346111604	77.92648424
													REVENSEDPK	1	1	2xTMT6plex [N-Term; K10]	-	0.93	-	1.8552351	1	1660.890635	3	554.3027344	1.815450661	27.34050353
													AANFENHSGK	4	1	2xTMT6plex [N-Term; K10]	1.064	1.006	1.078	1.559240699	0	1532.822161	3	511.6121216	-0.228176442	32.03971602
													QVATALQNLQTK	7	1	2xTMT6plex [N-Term; K12]	1.049	1.06	1.043	2.409564972	0	1773.063454	3	591.6914673	-2.033432319	65.92715292
													ALASQLQDSLK	3	1	2xTMT6plex [N-Term; K11]	0.918	1.026	0.956	1.838543296	0	1631.973242	2	816.4906616	0.492987364	69.51164693
													CDRVDQLTAQLADLAAR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	-	1.16	0.921986639	1	2145.128366	3	715.7139893	-0.443771374	83.41779946
													DYLIDGSR	1	1	1xTMT6plex [N-Term]	-	1.092	-	0.939583123	0	1167.620719	2	584.3139648	-0.056064867	50.25535802
													STVEGIQASVK	5	1	2xTMT6plex [N-Term; K11]	1.047	1.144	1.118	3.005936146	0	1576.931043	2	788.9681396	-1.293812519	53.97865934
													QQELTHQEHR	3	1	1xTMT6plex [N-Term]	-	0.907	0.961	1.966985703	0	1534.792369	3	512.269043	0.134934376	21.15095085
													EVENSEDPK	4	1	2xTMT6plex [N-Term; K9]	1.396	1.332	-	1.753816247	0	1504.789524	3	502.2676086	-0.83132707	33.98495456
													EAEAASIK	1	1	2xTMT6plex [N-Term; K8]	-	1.201	-	1.629434586	0	1276.751288	2	638.8791504	-0.206499694	41.36751855
													GQGSSPVAMQK	2	1	2xTMT6plex [N-Term; K11]	2.611	2.253	-	1.463334203	0	1547.861583	2	774.4334106	-1.317011133	41.28865608
													DEEFPEQK	2	1	2xTMT6plex [N-Term; K8]	-	1.231	1.149	1.526072741	0	1479.773145	2	740.390564	0.477066157	50.94002163
													GWLRDPSASPGDAGEQAIR	1	1	1xTMT6plex [N-Term]	-	1.043	-	1.361981273	1	2212.130809	3	738.0480347	-0.56878015	56.68867087
													AVAGNISDPGLQK	4	1	2xTMT6plex [N-Term; K13]	1.125	1.089	1.078	1.397565126	0	1728.005605	3	576.6729126	-0.821905338	58.20344912
													GILSGTSDLLLTFDEAEVR	2	1	1xTMT6plex [N-Term]	-	1.092	1.135	1.843036413	0	2265.217558	3	755.7437744	-0.347970026	99.93864833
													AAVHLEGK	1	1	2xTMT6plex [N-Term; K8]	-	1.132	-	1.531625032	0	1282.788342	3	428.2668152	-1.909717511	38.15416367
													AASDELSK	1	1	2xTMT6plex [N-Term; K8]	-	1.053	-	1.136155486	0	1278.730552	2	639.8679199	-1.555547606	39.00578614
													NPGNQAAYEHFETMK	1	1	2xTMT6plex [N-Term; K15]; 1xOxidation [M14]	-	0.69	-	1.183740735	0	2211.090474	3	737.7034302	2.380575289	47.86509009
													GNDIIAAAK	2	1	2xTMT6plex [N-Term; K9]	-	1.086	1.11	1.715784311	0	1330.809471	2	665.9082642	-0.165079744	56.14068917
													VLQLTSWDEDAWASK	1	1	2xTMT6plex [N-Term; K15]	-	-	1.056	1.192792058	0	2207.174855	3	736.3952026	-1.721698594	93.73681015
6005942	VCP	transitional endoplasmic reticulum ATPase	59.92555831	41	152	41	806	89.266	5.26	1.219	1.252	1.262														
													MDELQLFR	1	1	1xTMT6plex [N-Term]	-	1.252	-	0.649392843	0	1280.687024	2	640.8474121	0.408873316	80.34244919
													EMVELPLRHPALFK	1	1	2xTMT6plex [N-Term; K14]; 1xOxidation [M2]	1.178	-	-	1.065710068	1	2154.250938	4	539.3182983	0.197729692	67.99414813
													GVLFYGPPGCGK	8	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.439	1.511	1.422	1.618508339	0	1709.944919	2	855.4755859	-0.598835078	72.56499135

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Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													AIANECQANFISIK	2	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.58	1.528	-	1.409130454	0	2037.120317	3	679.7120361	0.607705115	73.73651432
													LGDVISIQPCPDVK	7	1	2xTMT6plex [N-Term; K14]; 1xCarbamidomethyl	1.057	1.055	0.995	1.656203508	0	1999.129819	2	1000.069519	0.971535675	86.40258084
													IVSQLLTLMDGLK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.183	1.962676525	0	1889.154577	3	630.3903198	0.968175224	103.1538348
													IVSQLLTLMDGLK	4	1	2xTMT6plex [N-Term; K13]; 1xOxidation [M9]	1.135	1.18	1.138	2.720360041	0	1905.149492	3	635.7212524	-0.151230012	97.95677465
													AIGVKPPR	2	1	2xTMT6plex [N-Term; K5]	1.379	1.711	-	0.989826322	0	1295.856362	2	648.4311523	-1.029444728	49.87451931
													HPALFK	2	1	2xTMT6plex [N-Term; K6]	1.218	-	1.211	1.002782464	0	1170.739935	3	390.918457	0.753723114	44.69440274
													AHVIVMAATNRPNSIDPALR	1	1	1xTMT6plex [N-Term]	0.897	-	-	1.479855537	0	2375.317898	4	594.5849609	0.04868822	56.94345748
													VVETDPSPYCIVAPDTVIHCEGEPIK	1	1	2xTMT6plex [N-Term; K26]; 2xCarbamidomethyl	-	-	1.48	1.564450502	0	3383.726735	3	1128.580322	-0.09514454	84.93176232
													RELQELVQYPVEHPDK	2	1	2xTMT6plex [N-Term; K16]	1.007	0.871	-	1.426324368	1	2438.34438	3	813.4523926	-0.719789887	64.57150096
													LEILQIHTK	5	1	2xTMT6plex [N-Term; K9]	1.339	1.445	1.453	1.239786625	0	1552.982685	3	518.3318481	-1.090460584	71.31410792
													GPELLTMWFGESEANVR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	1.116	1.267	1.327	1.634416342	0	2181.08477	3	727.7004395	0.91453088	98.09719229
													LIVDEAINEDNSVVSLSQPK	8	1	2xTMT6plex [N-Term; K20]	1.263	1.326	1.143	1.745645404	0	2628.449632	3	876.8212891	-0.12112939	90.62875312
													RDHFEEAMR	1	1	1xTMT6plex [N-Term]	1.145	-	-	1.610334992	1	1419.700048	4	355.6804199	-0.139735503	27.38018931
													RDHFEEAMR	1	1	1xTMT6plex [N-Term]; 1xOxidation [M8]	-	1.753	-	1.549640179	1	1435.694963	4	359.6791077	-0.252425443	21.16365275
													ESIESEIR	1	1	1xTMT6plex [N-Term]	-	1.117	-	1.179698586	0	1191.641848	2	596.324646	0.140580987	51.74076428
													KYEMFAQTLQQSR	1	1	2xTMT6plex [N-Term; K1]	-	-	0.576	0.631846666	1	2088.131216	3	696.7159424	0.9855695	62.83730621
													ELQELVQYPVEHPDK	3	1	2xTMT6plex [N-Term; K15]	0.493	0.463	0.505	2.225703955	0	2282.243269	3	761.4193726	0.129611854	75.63191961
													GGNIGDGGGAADR	8	1	1xTMT6plex [N-Term]	1.369	1.412	1.399	2.136879444	0	1345.665771	2	673.3357544	-1.143627913	23.68306179
													REDEEESLNEVGYDDIGGCR	3	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	2.319	2.389	1.818	1.6938169	1	2571.146655	3	857.7197266	-0.788804674	52.04814016
													FDREVDIGIPDATGR	1	1	1xTMT6plex [N-Term]	-	1.142	-	1.279974699	1	1889.991856	3	630.6678467	-1.51812344	67.75763973
													LAGESESNLRK	2	1	2xTMT6plex [N-Term; K11]	-	1.698	1.587	1.2658602	1	1661.958655	2	831.480835	-2.564033776	40.23698228
													QTNPSAMEVEEDDPVPEIR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	0.973	1.073	-	0.918319643	0	2401.13905	3	801.0499268	-1.592234553	60.42467634
													YEMFAQTLQQSR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	0.507	1.268	1.142	1.4487257	0	1746.868236	3	582.9604492	-0.825210351	61.7934977
													WALSQSNPSALR	3	1	1xTMT6plex [N-Term]	1.049	1.09	-	2.050662756	0	1558.853906	2	779.9298096	-1.003095523	63.29837898
													EAVCIVLSDDTCSDEK	5	1	2xTMT6plex [N-Term; K16]; 2xCarbamidomethyl	1.237	0.89	1.017	1.859383702	0	2299.119784	3	767.0445557	-0.291741134	71.57043457
													DVDLEFLAK	3	1	2xTMT6plex [N-Term; K9]	1.29	-	1.229	1.39016521	0	1507.877217	2	754.4398804	-3.138450373	89.30795561
													LDQLIYIPLPDEK	12	1	2xTMT6plex [N-Term; K13]	1.28	1.311	1.318	2.84781909	0	2015.1829	2	1008.09491	-0.177469778	99.70415099
													AVANETGAFFFLINGPEIMSK	3	1	2xTMT6plex [N-Term; K21]	1.121	1.1	1.062	2.383345127	0	2714.46278	3	905.4924316	-0.014149439	103.5427025
													AVANETGAFFFLINGPEIMSK	1	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M19]	-	1.016	-	1.937609434	0	2730.457695	3	910.8233643	-0.789448804	100.5366881
													NAPAIIFIDELDAIAPK	17	1	2xTMT6plex [N-Term; K17]	1.334	1.359	1.372	2.147548437	0	2269.320791	2	1135.163818	-0.189744549	104.2509842
													ESIESEIRR	1	1	1xTMT6plex [N-Term]	-	-	1.398	0.889235675	1	1347.742959	2	674.3746948	-0.627554058	39.66225881
													LAGESESNLR	1	1	1xTMT6plex [N-Term]	-	0.965	-	1.807343245	0	1304.70076	2	652.8534546	-0.86387649	38.5907941
													VINQILTEMDGMSTK	6	1	2xTMT6plex [N-Term; K15]	1.21	1.266	1.145	2.909499884	0	2138.160133	3	713.3914795	-0.115741302	97.79175344
													ETVVEVPQVTWEDIGGLEDVK	9	1	2xTMT6plex [N-Term; K21]	1.434	1.385	1.435	2.14012146	0	2800.502062	3	934.1712036	-1.072725565	96.59611956
													QAAPCVLFFDELDSIAK	7	1	2xTMT6plex [N-Term; K17]; 1xCarbamidomethyl	1.344	1.331	1.318	3.176690102	0	2382.27794	2	1191.638672	-3.304710953	101.940542
													FGMTPSK	2	1	2xTMT6plex [N-Term; K7]	-	1.351	1.297	1.32004571	0	1225.701501	2	613.354248	-0.229653182	52.86990719
													EVDIGIPDATGR	2	1	1xTMT6plex [N-Term]	-	1.179	-	1.042550683	0	1471.795388	2	736.4025269	1.62307951	69.58085005
													MTNGFSGADLTEICQR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	1.194	-	2.26311779	0	2028.968026	3	676.9943848	0.283374044	73.60220633
													AFEEAEK	1	1	2xTMT6plex [N-Term; K7]	-	1.029	-	1.473268747	0	1281.709089	2	641.3585815	0.622454771	45.13363412
													EVDIGIPDATGRLEILQIHTK	1	1	2xTMT6plex [N-Term; K21]	-	0.68	-	0.778391063	1	2776.5973	4	694.9046021	-0.25977007	88.46796393
													GLLLYGPPGTGK	6	1	2xTMT6plex [N-Term; K12]	1.128	1.195	1.151	1.019674897	0	1630.993249	3	544.3354492	-0.892035421	76.24281855
62414289	VIM	vimentin	39.69957082	18	59	18	466	53.619	5.12	0.801	0.781	0.83														
													EMEENFAVEAANYQDTIGR	4	1	1xTMT6plex [N-Term]	0.924	1.032	1.022	1.469353676	0	2416.12882	3	806.0446777	-3.865504521	75.29309675
													EMEENFAVEAANYQDTIGR	5	1	1xTMT6plex [N-Term]; 1xOxidation [M2]	1.149	1.138	1.094	2.022143126	0	2432.123735	3	811.3796387	0.258315651	67.62071998
													DGQVINETSQHHDDLE	1	1	1xTMT6plex [N-Term]	0.468	-	-	1.335339427	0	2065.962406	3	689.3250732	-0.842103144	39.03223051
													KVESLQEEIAFLK	1	1	3xTMT6plex [N-Term; K1; K13]	-	0.122	-	2.374416113	1	2221.341081	3	741.1193237	1.051896724	88.54354368
													ISLPLPNFSSLNLR	3	1	1xTMT6plex [N-Term]	0.548	0.522	0.553	1.412346363	0	1800.058085	2	900.5317993	-0.979522384	99.55373777
													EEAENTLQSFR	5	1	1xTMT6plex [N-Term]	0.87	0.838	0.889	1.437926412	0	1552.780466	2	776.8934937	-0.486698106	50.30677
													QQYESVAAK	1	1	2xTMT6plex [N-Term; K9]	0.76	-	-	0.95312947	0	1481.836414	3	494.6170959	0.216118185	41.28241989
													LQDEIQNMK	3	1	2xTMT6plex [N-Term; K9]	0.843	0.87	0.893	1.534080744	0	1576.876899	2	788.9416504	-0.554734964	62.14375483
													QVQSLTCEVDALK	1	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	-	0.847	-	1.58112061	0	1949.077784	2	975.0410156	-1.554083693	73.61622986
													RQVDQLTNDK	2	1	2xTMT6plex [N-Term; K10]	-	0.853	-	0.936418474	1	1674.953904	2	837.9799194	-0.800823718	45.93301948
													QVDQLTNDK	3	1	2xTMT6plex [N-Term; K9]	-	0.81	0.835	1.020779848	0	1518.852793	2	759.9293213	-0.939308853	53.27550272
													ETNLDSLPLVDTHSK	2	1	2xTMT6plex [N-Term; K15]	0.738	0.715	-	1.714367509	0	2127.169769	3	709.729126	1.43633561	72.05687234
													ILLAELEQLK	4	1	2xTMT6plex [N-Term; K10]	0.743	0.711	0.676	1.055559993	0	1628.039865	2	814.5238647	0.361018302	99.24320785
													QDVDNASLAR	5	1	1xTMT6plex [N-Term]	0.928	0.965	0.794	1.463932157	0	1317.696009	2	659.3510132	-0.955366643	32.64225863
													VESLQEEIAFLK	2	1	2xTMT6plex [N-Term; K12]	0.937	1.045	-	3.042647362	0	1864.083186	2	932.5437622	-1.57641352	94.24273072
													EYQDLLNVK	7	1	2xTMT6plex [N-Term; K9]	0.81	0.824	0.847	2.106770754	0	1579.909579	2	790.4576416	-0.995409418	72.53251242
													GTNESLER	3	1	1xTMT6plex [N-Term]	-	0.855	0.799	1.715691447	0	1134.595232	2	567.8005371	-1.264275761	23.72163635
													VELQELNDR	3	1	1xTMT6plex [N-Term]	-	0.768	0.725	1.344953418	0	1344.73206	2	672.8703613	1.030879155	52.91768644
													NLQEAEEWYK	4	1	2xTMT6plex [N-Term; K10]	0.971	1.077	1.105	1.750862002	0	1767.931771	2	884.46875	-0.875474962	66.26095425
531990854	VPS29	vacuolar protein sorting-associated protein 29 isoform 3	10.74766355	2	2	2	214	23.965	8.18	0.968	-	1.676														
													IQHILCTGNLCTK	1	1	2xTMT6plex [N-Term; K13]; 2xCarbamidomethyl	0.968	-	-	1.077123046	0	2016.113458	3	672.708252	-1.614696143	64.14843092
													TLAGDVHIVR	1	1	1xTMT6plex [N-Term]	-	-	1.676	0.737885714	0	1309.77895	3	437.26474	0.546848537	51.65558927
17999541	VPS35	vacuolar protein sorting-associated protein 35	6.030150754	3	8	3	796	91.649	5.49	1.74	1.847	1.901														
													QIVLTGILEQVVNCR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	-	2.291	2.192	1.593702435	0	1971.125847	3	657.7133789	-0.133903804	99.4498665
													LFDIFSQQVATVIQSR	5	1	1xTMT6plex [N-Term]	1.574	1.68	1.767	1.760465384	0	2081.159256	3	694.3912964	0.038560315	102.2360622
													VADLYELVQYAGNIIPR	1	1	1xTMT6plex [N-Term]	1.954	-	-	1.153364182	0	2163.20112	3	721.7379761	-0.806890921	105.6740495
88853069	VTN	vitronectin precursor	1.882845188	1	3	1	478	54.271	5.8	0.999	0.993	1.169														
													CTEGFNVDK	3	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	0.999	0.993	1.169	0.991148055	0	1527.78775	2	764.3964233	-1.42678871	50.17737044
118918435	VWA3B	von Willebrand factor A domain-containing protein 3B	0.772797527	1	1	1	1294	145.656	7.33	-	-	2.215														
													IIQFIQEQLK	1	1	2xTMT6plex [N-Term; K10]	-	-	2.215	1.642980099	0	1718.061663	3	573.3589478	0.364848208	101.3992367

Patil et. al. , 2018. Secretome analysis of oral keratinocytes chronically exposed to shisha

Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
47419914	WARS	tryptophan--tRNA ligase, cytoplasmic isoform a	29.29936306	10	23	10	471	53.132	6.23	0.926	0.947	1.022														
													DEIDSAVK	3	1	2xTMT6plex [N-Term; K8]	0.872	0.851	0.925	1.247145891	0	1334.756767	2	667.8817139	-0.46147406	46.5697104
													DIIACGFDINK	2	1	2xTMT6plex [N-Term; K11]; 1xCarbamidomethyl	-	0.853	0.672	1.246870279	0	1723.945313	2	862.4754639	-0.964053565	83.70390754
													ISFPAIQAAPSFSNSFPQIFR	5	1	1xTMT6plex [N-Term]	0.594	0.616	0.618	2.042307615	0	2554.36556	3	852.1265259	-0.209634552	101.3035191
													WLQDVFNVPLVIQMTDDEK	3	1	2xTMT6plex [N-Term; K19]	0.967	0.86	0.926	1.642393589	0	2748.468259	3	916.8289795	1.501158527	106.1514238
													GIFGFTDSDCIGK	5	1	2xTMT6plex [N-Term; K13]; 1xCarbamidomethyl	1.182	1.659	1.195	1.777063012	0	1874.972256	3	625.6624756	0.32932104	86.74832506
													DMNQVLDAYENK	1	1	2xTMT6plex [N-Term; K12]	-	0.973	-	1.727813721	0	1897.972984	3	633.3297729	0.938705488	73.45241558
													DYTSGAMLTGELK	1	1	2xTMT6plex [N-Term; K13]	-	-	2.913	0.852952421	0	1843.987571	2	922.5006104	3.455914359	71.61642111
													ALIEVLQPLIAEHQAR	1	1	1xTMT6plex [N-Term]	-	0.853	-	1.326456428	0	2030.195976	3	677.4038696	0.532011063	95.1287701
													HVTFNQVK	1	1	2xTMT6plex [N-Term; K8]	-	0.985	-	1.451984644	0	1430.852005	3	477.622345	0.333194564	44.06736334
													MSASDPNSSIFLTDTAK	1	1	2xTMT6plex [N-Term; K17]	-	0.746	-	1.216620445	0	2243.162969	3	748.3924561	-0.068856316	76.42679721
24430132	WBP2	WW domain-binding protein 2	3.831417625	1	1	1	261	28.068	5.91	1.169	-	-														
													QPVFGANYIK	1	1	2xTMT6plex [N-Term; K10]	1.169	-	-	0.747635186	0	1594.935734	2	797.9696655	-2.307325137	66.45734679
9257257	WDR1	WD repeat-containing protein 1 isoform 1	33.00330033	14	35	14	606	66.152	6.65	1.384	1.53	1.522														
													YAPSGFYIASGDVSGK	5	1	2xTMT6plex [N-Term; K16]	1.237	1.24	1.345	1.318333507	0	2077.100627	2	1039.055786	1.76611358	74.06220338
													FTIGDHSR	3	1	1xTMT6plex [N-Term]	1.45	1.465	1.516	1.529133439	0	1161.621387	3	387.8789368	0.748766116	36.67199371
													FGAVFLWDSGSSVGEITGHNK	2	1	2xTMT6plex [N-Term; K21]	1.504	1.322	-	2.164265394	0	2666.397872	3	889.4706421	-0.186994024	93.57131191
													LATGSDDNCAAFFEGPPFK	6	1	2xTMT6plex [N-Term; K19]; 1xCarbamidomethyl	1.379	1.398	1.379	2.94062686	0	2502.237532	4	626.314209	-1.00929367	92.08886501
													VINSVDIK	2	1	2xTMT6plex [N-Term; K8]	-	1.568	1.573	1.203096628	0	1345.845523	2	673.4255981	-1.190976907	59.98932063
													YEYQPFAGK	2	1	2xTMT6plex [N-Term; K9]	-	1.552	1.677	1.872294903	0	1560.846251	2	780.927124	0.461709073	59.43006104
													IWDTTQK	1	1	2xTMT6plex [N-Term; K7]	-	1.763	-	1.228036642	0	1349.782922	2	675.3947754	-0.48017999	58.92763541
													GPVTDVAYSHDGAFLAVCDASK	2	1	2xTMT6plex [N-Term; K22]; 1xCarbamidomethyl	1.473	-	1.791	1.373645067	0	2738.385987	3	913.4663086	-0.589405131	73.42483442
													LDVQPK	1	1	2xTMT6plex [N-Term; K6]	-	-	1.625	1.089633703	0	1157.72943	2	579.3682861	-0.116274469	48.6846304
													DYSGQGVVK	3	1	2xTMT6plex [N-Term; K9]	1.392	1.527	1.359	1.120955944	0	1410.799301	2	705.902832	-0.647255424	51.66121878
													VVTVFSVADGYSENNVFYGHHAK	3	1	2xTMT6plex [N-Term; K23]	1.269	1.358	1.298	1.563796282	0	2998.546327	4	750.3933716	1.777470662	80.39139997
													VFASLPQVER	3	1	1xTMT6plex [N-Term]	1.327	1.357	1.435	2.053721189	0	1374.794266	2	687.9009399	0.24520237	68.7443062
													CFSIDNPGYEPEVVAVHPGGDTVAIGGVDGNVR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.082	-	-	1.480961323	0	3626.774675	3	1209.59668	0.223452674	81.99111437
													SIQCLTVHK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	1.667	-	1.467419505	0	1543.903054	3	515.3059082	0.075723262	51.12477473
13324688	WDR11	WD repeat-containing protein 11	0.653594771	1	1	1	1224	136.598	6.92	-	-	2.522														
													SASTTAPK	1	1	2xTMT6plex [N-Term; K8]	-	-	2.522	1.025505066	0	1220.725073	2	610.866394	0.359111111	31.59920488
16554627	WDR5	WD repeat-containing protein 5	2.395209581	1	1	1	334	36.565	8.27	0.434	-	-														
													KPETEAAR	1	1	2xTMT6plex [N-Term; K1]	0.434	-	-	1.101455569	0	1359.799635	3	453.9371948	-1.914794854	25.44381047
24308444	WDR92	WD repeat-containing protein 92 isoform 1	7.282913165	1	1	1	357	39.715	8.09	1.15	-	-														
													EIINAIDGIGGLGIGEGAPEIVTGSR	1	1	1xTMT6plex [N-Term]	1.15	-	-	1.012542367	0	2737.493339	3	913.1697998	0.550600084	97.64605764
91823271	XDH	xanthine dehydrogenase/oxidase	2.775693923	3	5	2	1333	146.33	7.66	0.358	0.387	0.498														
													LDPTFASATLLFQK	1	1	2xTMT6plex [N-Term; K14]	0.317	-	-	1.096138954	0	2010.167585	3	670.7272949	-0.125931975	98.89646557
													ITYEELPAIITIEDAIK	3	1	2xTMT6plex [N-Term; K17]	0.471	0.387	0.498	1.616152883	0	2390.38345	3	797.4655151	-0.610052686	103.1026655
													ALYASK	2	2	2xTMT6plex [N-Term; K6]	-	1.691	-	1.394925117	0	1110.692317	2	555.8504639	1.201596838	45.6278382
264681563	XPNPEP1	xaa-Pro aminopeptidase 1 isoform 1	8.708708709	5	9	5	666	74.751	5.88	-	1.46	1.667														
													TLSLDEVYLIDSGAQYK	2	1	2xTMT6plex [N-Term; K17]	-	1.211	1.63	1.038266182	0	2373.295364	3	791.7709961	1.294125163	94.21449192
													ETQPISK	1	1	2xTMT6plex [N-Term; K7]	-	0.994	-	1.061632752	0	1260.756373	2	630.8814087	-0.66027601	37.95541074
													IENVVLVVPVK	3	1	2xTMT6plex [N-Term; K11]	-	1.559	1.678	1.145922184	0	1667.08715	2	834.0466919	-0.625342795	93.31985753
													SILSELK	1	1	2xTMT6plex [N-Term; K7]	-	1.584	-	1.398621321	0	1247.79751	2	624.401001	-2.231473339	74.41278082
													GSLTFEPLTLVPIQTK	2	1	2xTMT6plex [N-Term; K16]	-	1.705	1.657	1.760437608	0	2202.314977	3	734.7752686	-1.691241251	98.9798857
4507943	XPO1	exportin-1	7.189542484	6	10	6	1071	123.306	6.06	1.813	1.831	1.813														
													YYGLQILENVIK	3	1	2xTMT6plex [N-Term; K12]	0.823	1.477	2.277	1.454054594	0	1911.135556	2	956.0734863	2.166108122	99.52172691
													AVGHPFVIQLGR	2	1	1xTMT6plex [N-Term]	1.955	2.156	-	0.930552542	0	1522.905548	3	508.306488	-0.418317914	65.11300492
													MAQEVLTHLK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.374	1.071467042	0	1627.960569	3	543.3252563	0.397314887	72.04978379
													YMLLPNQVWDSIIQQATK	2	1	2xTMT6plex [N-Term; K18]	-	1.405	1.928	1.879595757	0	2606.441651	3	869.4860229	0.715472628	104.6148763
													LHNQVNGTEWSWK	1	1	2xTMT6plex [N-Term; K13]	-	1.592	-	2.053492546	0	2057.096879	3	686.3682861	-3.195854132	61.97746852
													SAFPHLQDAQVK	1	1	2xTMT6plex [N-Term; K12]	-	-	2.091	1.779795766	0	1799.021589	3	600.3460693	1.148139536	53.22692367
8051636	XPOT	exportin-T	1.559251559	1	4	1	962	109.893	5.39	2.608	2.829	2.857														
													DLQEFIPLINQITAK	4	1	2xTMT6plex [N-Term; K15]	2.608	2.829	2.857	1.654342771	0	2201.294576	3	734.4353638	-1.380056735	102.9845187
10863945	XRCC5	X-ray repair cross-complementing protein 5	20.08196721	11	33	11	732	82.652	5.81	1.214	1.249	1.298														
													FFMGNQVLK	1	1	2xTMT6plex [N-Term; K9]	-	0.958	-	1.668673873	0	1541.891427	3	514.6352539	-0.141651511	86.27422707
													YAPTEAQLNAVDALIDSMSLAK	3	1	2xTMT6plex [N-Term; K22]	1.584	1.507	1.222	1.74146235	0	2779.495202	3	927.1702271	0.33301455	104.0797969
													ETVYCLNDDDETEVLK	6	1	2xTMT6plex [N-Term; K16]; 1xCarbamidomethyl	1.183	1.552	1.528	1.870504379	0	2401.184493	3	801.0657349	-0.76692156	70.97405382
													TLFPLIEAK	2	1	2xTMT6plex [N-Term; K9]	1.151	1.243	-	1.441188455	0	1489.939423	2	745.4740601	0.953459695	93.84047249
													EEASGSSVTAEEAK	6	1	2xTMT6plex [N-Term; K14]	1.299	1.323	1.311	2.526683331	0	1852.954023	3	618.3218994	-1.552967736	45.88137006
													LGGHGPSFPLK	3	1	2xTMT6plex [N-Term; K11]	1.287	1.367	1.311	1.750927925	0	1567.936069	3	523.3171387	0.506350763	58.80195577
													QLNHFWEIVVQDGITLITK	1	1	2xTMT6plex [N-Term; K19]	0.392	-	-	0.839607835	0	2712.548893	3	904.8549194	0.483711385	106.0373264
													SQLDIIIHSLK	2	1	2xTMT6plex [N-Term; K11]	1.383	1.372	-	1.409691215	0	1725.067477	3	575.6942139	0.354502981	89.30293409
													HLMLPDFDLLEDIESK	3	1	2xTMT6plex [N-Term; K16]	1.182	1.188	1.243	1.670159578	0	2373.277605	3	791.7659912	2.450279226	98.74054554
													HLMLPDFDLLEDIESK	2	1	2xTMT6plex [N-Term; K16]; 1xOxidation [M3]	-	1.542	1.899	1.336338043	0	2389.27252	3	797.0960083	0.398222612	98.43358022
													ANPQVGVAFPHIK	3	1	2xTMT6plex [N-Term; K13]	0.945	0.995	1.057	2.356372356	0	1836.089609	3	612.7006226	-1.249837811	65.75939625
													QVFAENK	1	1	2xTMT6plex [N-Term; K7]	-	1.418	-	0.783602774	0	1293.756708	2	647.381958	-0.052702625	53.75545086
4503841	XRCC6	X-ray repair cross-complementing protein 6 isoform 1	46.96223317	24	57	24	609	69.799	6.64	1.213	1.173	1.18														
													DSLIFLVDASK	4	1	2xTMT6plex [N-Term; K11]	2.388	1.366	1.317	1.992061138	0	1665.982744	2	833.4949951	-0.018322894	94.51896518
													TEGDEEAEEEQEENLEASGDYK	2	1	2xTMT6plex [N-Term; K22]	1.484	1.35	-	2.121681213	0	2959.32165	3	987.112793	0.735150317	56.23466061
													NIYVLQELDNPGAK	7	1	2xTMT6plex [N-Term; K14]	1.242	1.204	1.299	2.387619972	0	2032.147912	3	678.0501099	-5.971740583	84.12765976
													IISSDRDLLAVVFYGTEK	2	1	2xTMT6plex [N-Term; K18]	-	1.379	1.512	1.513154507	1	2484.411396	3	828.8104248	2.143237658	97.89747058
													SQIYGSR	2	1	1xTMT6plex [N-Term]	1.074	1.099	-	0.932772696	0	1039.573374	2	520.2910156	1.327602297	26.99975317

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
													SDSFENPVLQQHFR	3	1	1xTMT6plex [N-Term]	1.296	1.299	1.302	1.254802704	0	1932.97654	3	644.9978638	1.292161877	57.73041458
													FTVPMLK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.186	1.642652512	0	1293.800487	2	647.40448	0.924888304	88.54138062
													IMLFTNEDNPHGNDSAK	1	1	2xTMT6plex [N-Term; K17]	-	1.112	-	0.966816723	0	2361.190915	3	787.7355347	0.480826815	71.05122826
													ETNEPVK	1	1	2xTMT6plex [N-Term; K7]	1.306	-	-	1.039891481	0	1274.735638	2	637.871582	0.195877869	31.36642214
													VEYSEEELK	2	1	2xTMT6plex [N-Term; K9]	1.31	1.18	-	1.457221627	0	1583.856875	2	792.4309692	-1.397262261	53.1227774
													ELVYPPDYNPEGK	3	1	2xTMT6plex [N-Term; K13]	1.228	1.219	1.241	1.230010748	0	1979.052614	2	990.0304565	0.516406653	68.25300936
													KQELLEALTK	4	1	3xTMT6plex [N-Term; K1; K10]	1.153	1.189	-	2.047783136	1	1860.177311	3	620.7298584	-1.23035835	75.10746889
													DIISIAEDEDLR	1	1	1xTMT6plex [N-Term]	1.125	-	-	1.773484826	0	1617.853297	2	809.4313965	1.371817058	77.42133783
													IQVTPPGFQLVFLPFADDK	4	1	2xTMT6plex [N-Term; K19]	1.115	1.116	-	1.200722575	0	2590.468517	2	1295.740723	2.181548419	105.9191671
													RLGSLVDEFK	1	1	2xTMT6plex [N-Term; K10]	1.56	-	-	0.693409264	1	1621.967763	3	541.3266602	-1.439980068	67.88373674
													TFNTSTGGLLLPSDTK	3	1	2xTMT6plex [N-Term; K16]	0.915	0.966	1.125	1.960799217	0	2110.179606	2	1055.592285	-1.0956828	78.23538849
													LGSLVDEFK	3	1	2xTMT6plex [N-Term; K9]	0.99	0.977	1.09	1.378159642	0	1465.866652	2	733.4384766	2.063383457	88.5944819
													ILELDQFK	1	1	2xTMT6plex [N-Term; K8]	0.94	-	-	1.34559691	0	1463.887387	3	488.6339722	-0.016439853	89.49683527
													NIPPYFVALVPQEEELDDQK	4	1	2xTMT6plex [N-Term; K20]	1.065	1.026	1.254	1.924994707	0	2802.496582	3	934.8365479	-0.532452143	97.21069452
													EETEELK	1	1	2xTMT6plex [N-Term; K7]	1.407	-	-	1.354709268	0	1335.740783	2	668.3726807	-2.019801978	39.92307755
													KHDNEGSGSK	2	1	3xTMT6plex [N-Term; K1; K10]	-	0.92	0.806	1.311459303	1	1745.974922	4	437.2493286	0.321953722	23.51454172
													DTGIFLDLMHLK	3	1	2xTMT6plex [N-Term; K12]	1.274	1.283	1.321	1.431217432	0	1861.065762	3	621.0274048	1.020316158	97.1646269
													NLEALALDLMEPEQAVDLTLPK	1	1	2xTMT6plex [N-Term; K22]	-	1.096	-	0.728627503	0	2881.599667	3	961.2035522	-1.236751156	105.9522408
													IQVTPPGFQLVFLPFADDKR	1	1	2xTMT6plex [N-Term; K19]	-	-	0.34	0.780618906	1	2746.569628	3	916.1948853	0.172612307	101.6743206
4507947	YARS	tyrosine--tRNA ligase, cytoplasmic	10.98484848	6	11	6	528	59.106	7.05	1.234	1.258	1.222														
													TVVSGLVQFVPK	3	1	2xTMT6plex [N-Term; K12]	1.234	1.302	1.307	1.679012418	0	1732.077313	3	578.0317993	2.03885773	92.47771295
													NSVEVALNK	3	1	2xTMT6plex [N-Term; K9]	-	1.232	1.048	1.684375525	0	1431.85715	2	716.4332886	1.502055172	59.71555221
													NSEPEEVIPSR	1	1	1xTMT6plex [N-Term]	-	1.055	-	1.239794493	0	1485.774653	2	743.3903809	-0.785914101	42.73343886
													IFTFAEK	1	1	2xTMT6plex [N-Term; K7]	-	-	1.043	1.139078498	0	1313.786945	2	657.3970947	-0.024560204	78.85829467
													APWELLELR	1	1	1xTMT6plex [N-Term]	-	0.965	-	1.958280206	0	1355.788453	2	678.3973999	-0.685464838	95.2972328
													SEFVILRDEK	2	1	2xTMT6plex [N-Term; K10]	-	1.351	1.191	1.469095945	1	1693.988892	3	565.3346558	0.308086528	63.20261321
34098946	YBX1	nuclease-sensitive element-binding protein 1	37.03703704	9	34	7	324	35.903	9.88	0.94	0.991	0.979														
													ENQGDETQGQQPPQR	9	1	1xTMT6plex [N-Term]	1.146	1.061	0.998	2.536059141	0	1940.925961	3	647.6466675	-0.26380635	21.54184279
													ENQGDETQGQQPPQRR	5	1	1xTMT6plex [N-Term]	0.892	0.765	0.791	1.862543464	1	2097.027072	3	699.6800537	-0.698272906	28.72035692
													NEGSESAPEGQAQQR	6	1	1xTMT6plex [N-Term]	1.121	1.119	1.109	2.036416292	0	1816.862298	2	908.9344482	-0.373454623	21.41696808
													GAEAANVTGPGGVPVQGSK	4	1	2xTMT6plex [N-Term; K19]	0.831	0.851	0.835	3.553401947	0	2154.191902	2	1077.602417	2.625385589	51.34058736
													AADPPAENSSAPEAEQGGAE	2	1	1xTMT6plex [N-Term]	0.747	-	1.201	1.372065544	0	2126.967551	3	709.6601563	-0.768991515	37.80433117
													EDGNEEDK	1	1	2xTMT6plex [N-Term; K8]	-	1.059	-	1.065965295	0	1393.684724	2	697.3453979	-0.864601256	26.80163471
													NYQQNYQNSESGEK	2	1	2xTMT6plex [N-Term; K14]	-	1.027	1.015	2.380713701	0	2147.040546	3	716.3515015	-0.277090933	34.19816923
													EDVFVHQTAIK	2	2	2xTMT6plex [N-Term; K11]	-	0.842	0.806	1.459929943	0	1744.999791	3	582.338562	0.768833992	53.01606876
													SVGDGETVEFDVVEGEK	3	2	2xTMT6plex [N-Term; K17]	0.838	1.091	0.869	0.91219604	0	2254.149093	2	1127.579468	1.13814427	72.94246971
224586882	YBX3	Y-box-binding protein 3 isoform a	11.55913978	3	8	1	372	40.066	9.77	-	1.109	0.913														
													ENQQATSGPNQPSVR	3	1	1xTMT6plex [N-Term]	-	1.109	0.913	1.541707277	0	1841.930318	3	614.6477661	-0.854158347	25.91603034
													EDVFVHQTAIK	2	2	2xTMT6plex [N-Term; K11]	-	0.842	0.806	1.459929943	0	1744.999791	3	582.338562	0.768833992	53.01606876
													SVGDGETVEFDVVEGEK	3	2	2xTMT6plex [N-Term; K17]	0.838	1.091	0.869	0.91219604	0	2254.149093	2	1127.579468	1.13814427	72.94246971
481026555	YTHDF3	YTH domain-containing family protein 3 isoform b	1.530612245	1	2	1	588	64.454	8.24	0.891	-	1.028														
													DTQEVPLEK	2	1	2xTMT6plex [N-Term; K9]	0.891	-	1.028	1.081882596	0	1516.862295	2	758.9341431	-0.84726029	51.46195911
4507949	YWHAB	14-3-3 protein beta/alpha	50.81300813	11	39	6	246	28.065	4.83	2.163	1.659	2.158														
													QTTVSNSQQAYQEAFEISK	5	1	2xTMT6plex [N-Term; K19]	1.3	1.403	1.917	1.832004547	0	2617.350981	3	873.1212158	-0.720850615	68.72834311
													YLIPNATQPESK	1	1	2xTMT6plex [N-Term; K12]	2.477	-	-	0.972771525	0	1819.036571	2	910.0215454	-0.415796856	62.03317551
													YLSEVASGDNK	4	1	2xTMT6plex [N-Term; K11]	2.095	1.622	2.171	2.153118134	0	1640.889572	3	547.6361694	2.671136959	54.23190588
													AVTEQGHELSNEER	3	1	1xTMT6plex [N-Term]	-	2.287	1.841	2.554457664	0	1827.903435	2	914.4547119	-0.704480253	29.7015312
													TAFDEAIAELDTLNEESYK	3	1	2xTMT6plex [N-Term; K19]	2.203	1.502	2.631	2.488008976	0	2617.328514	3	873.1148682	0.587282865	98.49476367
													SELVQK	1	1	2xTMT6plex [N-Term; K6]	-	-	1.925	1.446038961	0	1161.724345	2	581.3660889	0.478817869	43.53812813
													EMQPTHPIR	5	3	1xTMT6plex [N-Term]	-	1.684	1.618	1.860845089	0	1337.719721	3	446.5787964	1.580944142	29.94108234
													EMQPTHPIR	2	3	1xTMT6plex [N-Term]; 1xOxidation [M2]	1.519	-	1.57	0.744327426	0	1353.714636	3	451.9094238	-0.677997859	22.32521703
													NLLSVAYK	1	7	2xTMT6plex [N-Term; K8]	-	1.188	-	1.075092196	0	1365.850608	3	455.9557495	1.52823826	71.58478445
													DSTLIMQLLR	4	7	1xTMT6plex [N-Term]	1.039	0.894	0.994	2.131600857	0	1418.823852	2	709.9155273	-0.051896858	95.43981712
													DSTLIMQLLR	1	7	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.047	-	-	1.10160768	0	1434.818767	3	478.9444885	0.101494471	90.24588607
													YDDMAAAMK	1	2	2xTMT6plex [N-Term; K9]; 1xOxidation [M4]	1.702	-	-	1.373501658	0	1489.743108	2	745.3746338	-0.749835236	45.66950727
													YDDMAAAMK	1	2	2xTMT6plex [N-Term; K9]; 2xOxidation [M4; M8]	-	1.158	-	0.765371621	0	1505.738023	2	753.3709106	-2.310063825	37.50899553
													VISSIEQK	14	5	2xTMT6plex [N-Term; K8]	0.734	0.796	0.917	1.822836995	0	1361.840437	3	454.6186218	0.642577861	59.0559677
5803225	YWHAE	14-3-3 protein epsilon	53.7254902	12	57	10	255	29.155	4.74	1.232	1.208	1.239														
													HLIPAANTGESK	8	1	2xTMT6plex [N-Term; K12]	1.242	1.193	1.275	1.613277674	0	1695.97939	3	565.9977417	-0.423491198	43.64358466
													YLAEFATGNDRK	2	1	2xTMT6plex [N-Term; K12]	-	1.095	-	0.682600379	1	1843.011418	3	615.0081787	-0.778913887	56.65488932
													LICCDILDVLDK	5	1	2xTMT6plex [N-Term; K12]; 2xCarbamidomethyl	1.273	1.326	1.331	2.172771454	0	1935.069528	2	968.0383301	-0.074412701	99.95847123
													EAAENSLVAYK	6	1	2xTMT6plex [N-Term; K11]	1.149	1.195	1.171	1.939767003	0	1652.925958	2	826.9665527	-0.077850583	55.37480251
													YDEMVESMK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M4]	1.449	-	-	0.892587364	0	1605.790452	2	803.3977661	-1.367833166	51.27818844
													IISSIEQK	1	1	2xTMT6plex [N-Term; K8]	1.2	-	-	0.89548713	0	1375.856087	3	459.2893066	-1.977334803	64.7649913
													AASDIAMTELPPTHPIR	5	1	1xTMT6plex [N-Term]	1.279	1.2	1.099	2.106622696	0	2049.100026	3	683.7042847	-0.842070212	62.78915544
													AASDIAMTELPPTHPIR	8	1	1xTMT6plex [N-Term]; 1xOxidation [M7]	1.167	1.146	1.276	2.148443937	0	2065.094941	3	689.0367432	0.355916899	54.53082312
													DNLTLWTSDMQGDGEEQNK	5	1	2xTMT6plex [N-Term; K19]; 1xOxidation [M10]	1.215	1.042	1.082	1.435007691	0	2655.260846	3	885.7588501	0.433627066	68.04820361
													YLAEFATGNDR	3	1	1xTMT6plex [N-Term]	1.145	1.123	-	1.666718721	0	1485.753523	3	495.9223938	-0.602605682	64.1119387
													AAFDDAIAELDTLSEESYK	7	1	2xTMT6plex [N-Term; K19]	1.329	1.281	1.328	2.237777233	0	2546.2914	3	849.4367676	1.708015184	99.41630974
													NLLSVAYK	1	7	2xTMT6plex [N-Term; K8]	-	1.188	-	1.075092196	0	1365.850608	3	455.9557495	1.52823826	71.58478445
													DSTLIMQLLR	4	7	1xTMT6plex [N-Term]	1.039	0.894	0.994	2.131600857	0	1418.823852	2	709.9155273	-0.051896858	95.43981712
													DSTLIMQLLR	1	7	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.047	-	-	1.10160768	0	1434.818767	3	478.9444885	0.101494471	90.24588607

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
21464101	YWHAG	14-3-3 protein gamma	61.53846154	14	52	10	247	28.285	4.89	1.13	1.16	1.049														
													RATVVESSEK	3	1	2xTMT6plex [N-Term; K10]	0.948	-	1.1	1.549083948	1	1563.910642	3	521.9740601	-1.927804657	29.27178447
													NVTELNEPLSNEER	4	1	1xTMT6plex [N-Term]	1.105	1.19	1.141	1.544642806	0	1872.950051	2	936.9803467	1.797164518	52.40370676
													LGLALNYSVFYYEIQNAPEQACHLAK	1	1	2xTMT6plex [N-Term; K26]; 1xCarbamidomethyl	-	0.703	-	0.996617556	0	3470.818268	4	868.4598389	-0.213851949	98.84269868
													EHMQPTHPIR	4	1	1xTMT6plex [N-Term]	1.178	1.141	1.012	2.211569786	0	1474.778633	4	369.4503479	0.629831177	34.36855401
													EHMQPTHPIR	3	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	0.882	-	0.933	1.408778787	0	1490.773548	3	497.5958252	-0.419596969	19.20951693
													NCSETQYESK	5	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.008	-	0.695	1.21355927	0	1703.831071	2	852.4212646	2.454202735	32.74961985
													AYSEAHEISK	1	1	2xTMT6plex [N-Term; K10]	1.249	-	-	1.014193773	0	1592.868443	3	531.6275024	-0.306752126	36.73436771
													ATVVESSEK	1	1	2xTMT6plex [N-Term; K9]	1.167	-	-	0.957362175	0	1407.809531	2	704.4083862	-0.024889065	38.80272106
													YLAEVATGEK	6	1	2xTMT6plex [N-Term; K10]	1.198	1.222	1.21	2.447344303	0	1538.88303	2	769.9441528	-1.3003626	62.29444734
													TAFDDAIAELDTLNEDSYK	8	1	2xTMT6plex [N-Term; K19]	1.212	1.2	1.254	2.16575408	0	2589.297214	2	1295.154419	1.678934578	98.02108835
													TSADGNEK	1	1	2xTMT6plex [N-Term; K8]	-	1.058	-	1.12194705	0	1279.689416	2	640.3480835	-0.410590106	23.2892216
													NLLSVAYK	1	7	2xTMT6plex [N-Term; K8]	-	1.188	-	1.075092196	0	1365.850608	3	455.9557495	1.52823826	71.58478445
													DSTLIMQLLR	4	7	1xTMT6plex [N-Term]	1.039	0.894	0.994	2.131600857	0	1418.823852	2	709.9155273	-0.051896858	95.43981712
													DSTLIMQLLR	1	7	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.047	-	-	1.10160768	0	1434.818767	3	478.9444885	0.101494471	90.24588607
													YDDMAAAMK	1	2	2xTMT6plex [N-Term; K9]; 1xOxidation [M4]	1.702	-	-	1.373501658	0	1489.743108	2	745.3746338	-0.749835236	45.66950727
													YDDMAAAMK	1	2	2xTMT6plex [N-Term; K9]; 2xOxidation [M4; M8]	-	1.158	-	0.765371621	0	1505.738023	2	753.3709106	-2.310063825	37.50899553
													VISSIEQK	14	5	2xTMT6plex [N-Term; K8]	0.734	0.796	0.917	1.822836995	0	1361.840437	3	454.6186218	0.642577861	59.0559677
4507951	YWHAH	14-3-3 protein eta	45.93495935	11	27	8	246	28.201	4.84	1.437	1.464	1.287														
													YDDMASAMK	1	1	2xTMT6plex [N-Term; K9]; 1xOxidation [M4]	-	-	-	0.763827026	0	1505.738023	2	753.3709106	-2.309798176	37.50899553
													NSVVEASEAAYK	4	1	2xTMT6plex [N-Term; K12]	1.522	1.502	1.562	1.695645928	0	1725.942336	2	863.475647	0.974253472	52.17870088
													NCNDFQYESK	2	1	2xTMT6plex [N-Term; K10]; 1xCarbamidomethyl	1.545	1.408	-	0.955150604	0	1762.847056	2	881.9260254	-1.294155805	46.44291154
													EAFEISK	1	1	2xTMT6plex [N-Term; K7]	1.392	-	-	1.036763072	0	1281.745474	2	641.3759766	-0.622334946	58.8606881
													EQMQPTHPIR	2	1	1xTMT6plex [N-Term]; 1xOxidation [M3]	-	0.969	1.054	1.944179177	0	1481.773213	3	494.5966797	1.533515709	22.4634265
													ELETVCNDVLSLLDK	2	1	2xTMT6plex [N-Term; K15]; 1xCarbamidomethyl	-	1.599	-	1.705536366	0	2206.204106	2	1103.60498	-0.644506325	101.1770322
													AVTELNEPLSNEDR	1	1	1xTMT6plex [N-Term]	-	-	1.26	1.59721303	0	1815.928587	2	908.4676514	-0.308897403	53.06582788
													YLAEVASGEK	1	1	2xTMT6plex [N-Term; K10]	-	-	1.338	2.199739218	0	1524.86738	2	762.9378662	0.705446185	62.74672056
													NLLSVAYK	1	7	2xTMT6plex [N-Term; K8]	-	1.188	-	1.075092196	0	1365.850608	3	455.9557495	1.52823826	71.58478445
													DSTLIMQLLR	4	7	1xTMT6plex [N-Term]	1.039	0.894	0.994	2.131600857	0	1418.823852	2	709.9155273	-0.051896858	95.43981712
													DSTLIMQLLR	1	7	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.047	-	-	1.10160768	0	1434.818767	3	478.9444885	0.101494471	90.24588607
													VISSIEQK	14	5	2xTMT6plex [N-Term; K8]	0.734	0.796	0.917	1.822836995	0	1361.840437	3	454.6186218	0.642577861	59.0559677
5803227	YWHAQ	14-3-3 protein theta	49.3877551	10	58	6	245	27.747	4.78	1.292	1.661	1.77														
													YLAEVACGDDR	2	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.463	-	1.439	1.229567885	0	1497.720509	2	749.3633423	-0.735203718	52.27681436
													QTIDNSQGAYQEAFDISK	8	1	2xTMT6plex [N-Term; K18]	1.664	1.472	1.532	2.452783585	0	2473.261103	3	825.0911255	-0.921922539	71.57387715
													AVTEQGAELSNEER	7	1	1xTMT6plex [N-Term]	1.385	1.695	1.441	2.525393724	0	1761.881637	3	587.9641113	-2.188646243	39.12062893
													YLIANATNPESK	7	1	2xTMT6plex [N-Term; K12]	1.599	1.483	1.76	2.206108093	0	1779.00527	2	890.0049438	-1.494854867	61.80765214
													TAFDEAIAELDTLNEDSYK	8	1	2xTMT6plex [N-Term; K19]	0.785	1.515	1.659	2.040841818	0	2603.312864	2	1302.15686	-2.466083491	98.66288739
													SICTTVLELLDK	6	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	2.066	1.95	1.988	2.73325491	0	1850.070907	2	925.5397339	0.693877966	99.10299956
													EMQPTHPIR	5	3	1xTMT6plex [N-Term]	-	1.684	1.618	1.860845089	0	1337.719721	3	446.5787964	1.580944142	29.94108234
													EMQPTHPIR	2	3	1xTMT6plex [N-Term]; 1xOxidation [M2]	1.519	-	1.57	0.744327426	0	1353.714636	3	451.9094238	-0.677997859	22.32521703
													NLLSVAYK	1	7	2xTMT6plex [N-Term; K8]	-	1.188	-	1.075092196	0	1365.850608	3	455.9557495	1.52823826	71.58478445
													DSTLIMQLLR	4	7	1xTMT6plex [N-Term]	1.039	0.894	0.994	2.131600857	0	1418.823852	2	709.9155273	-0.051896858	95.43981712
													DSTLIMQLLR	1	7	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.047	-	-	1.10160768	0	1434.818767	3	478.9444885	0.101494471	90.24588607
													VISSIEQK	14	5	2xTMT6plex [N-Term; K8]	0.734	0.796	0.917	1.822836995	0	1361.840437	3	454.6186218	0.642577861	59.0559677
208973244	YWHAZ	14-3-3 protein zeta/delta	49.3877551	10	63	7	245	27.728	4.79	1.626	1.61	1.595														
													YLAEVAAGDDK	8	1	2xTMT6plex [N-Term; K11]	1.483	1.607	1.457	2.096291304	0	1609.883758	3	537.2997437	0.571051808	61.49666645
													GIVDQSQQAYQEAFEISK	6	1	2xTMT6plex [N-Term; K18]	1.687	1.637	1.218	1.652379155	0	2499.313139	4	625.5831299	-0.979988746	82.11114622
													FLIPNASQAESK	4	1	2xTMT6plex [N-Term; K12]	1.545	1.57	1.67	2.139163017	0	1763.010356	3	588.3411865	-0.765457607	71.29956205
													DICNDVLSLLEK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	1.834	-	1.908	1.75983429	0	1877.045421	2	939.0275269	1.255244498	98.05082089
													SVTEQGAELSNEER	12	1	1xTMT6plex [N-Term]	1.531	1.513	1.501	2.851879597	0	1777.876551	3	593.2984009	2.304950091	39.51046468
													VVSSIEQK	4	1	2xTMT6plex [N-Term; K8]	1.535	1.426	-	1.642646551	0	1347.824787	3	449.9458313	-1.369935865	50.27983158
													TAFDEAIAELDTLSEESYK	13	1	2xTMT6plex [N-Term; K19]	1.562	1.78	1.678	2.366649389	0	2590.317615	3	864.1096191	-1.278193881	101.5988144
													EMQPTHPIR	5	3	1xTMT6plex [N-Term]	-	1.684	1.618	1.860845089	0	1337.719721	3	446.5787964	1.580944142	29.94108234
													EMQPTHPIR	2	3	1xTMT6plex [N-Term]; 1xOxidation [M2]	1.519	-	1.57	0.744327426	0	1353.714636	3	451.9094238	-0.677997859	22.32521703
													NLLSVAYK	1	7	2xTMT6plex [N-Term; K8]	-	1.188	-	1.075092196	0	1365.850608	3	455.9557495	1.52823826	71.58478445
													DSTLIMQLLR	4	7	1xTMT6plex [N-Term]	1.039	0.894	0.994	2.131600857	0	1418.823852	2	709.9155273	-0.051896858	95.43981712
													DSTLIMQLLR	1	7	1xTMT6plex [N-Term]; 1xOxidation [M6]	1.047	-	-	1.10160768	0	1434.818767	3	478.9444885	0.101494471	90.24588607
46195755	ZBED9	SCAN domain-containing protein 3	1.20754717	1	1	1	1325	151.57	6.73	-	1.403	-														
													FCVGVCSDGAASMTGK	1	1	2xTMT6plex [N-Term; K16]; 2xCarbamidomethyl	-	1.403	-	1.835613489	0	2105.022988	2	1053.014526	-0.575697098	31.0662345
126723060	ZC3H4	zinc finger CCCH domain-containing protein 4	0.844205679	1	1	1	1303	140.169	6.27	-	0.767	-														
													AGADGGTPTDR	1	1	1xTMT6plex [N-Term]	-	0.767	-	0.799114823	0	1246.622509	2	623.8140259	-1.391136591	21.84228373
57863248	ZCCHC11	terminal uridylyltransferase 4 isoform a	0.547112462	1	1	1	1645	185.135	7.97	-	-	1.96														
													SSDVNIDIK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.96	1.451696515	0	1448.83608	3	483.6173096	0.894159771	50.23675529
254826809	ZGRF1	protein ZGRF1	1.045627376	1	1	1	2104	236.453	6.16	0.75	-	-														
													QYWNPRNSSELSGLVNTISILK	1	1	2xTMT6plex [N-Term; K22]	0.75	-	-	1.2846874	1	2977.651126	4	745.168396	0.210936187	66.88994816
4508011	ZMYM2	zinc finger MYM-type protein 2	0.944081336	1	1	1	1377	154.81	6.34	-	-	1.226														
													QLDEDLLVLDELK	1	1	2xTMT6plex [N-Term; K13]	-	-	1.226	1.216471553	0	2001.151994	3	667.7216187	-0.845204649	102.7569905
296010959	ZNF185	zinc finger protein 185 isoform 1	3.46740638	2	2	2	721	76.81	7.05	-	-	1.986														
													RVEVVEEDGPSEK	1	1	2xTMT6plex [N-Term; K13]	-	-	2.62	1.49951005	1	1931.048592	3	644.3532104	-1.819515241	42.53367123
													QSSPSGSEQLVR	1	1	1xTMT6plex [N-Term]	-	-	1.138	1.544906259	0	1503.796451	2	752.4024048	0.719578978	33.39765611
148612835	ZNF207	BUB3-interacting and GLEBS motif-containing protein ZNF207 isoform c	1.417004049	1	1	1	494	52.659	9.1	-	-	0.839														
													ILIQHQK	1	1	2xTMT6plex [N-Term; K7]	-	-	0.839	0.552917957	0	1337.866927	3	446.6274109	0.562594082	43.99447894

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Supplementray Table 1: List of proteins identified and quantified in OKF6/TERT1-Shisha secretome and OKF6/TERT1-Parental secretome using TMT-based quantitative proteomics approach

Accession	Gene_Symbol	Description	Coverage	Peptides	PSMS	Unique_Peptides	AAs	MW	calc_pI	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Sequence	PSMSs	Proteins	Modifications	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R1	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R2	Abundance Ratio: (OKF6/TERT1-Shisha / OKF6/TERT1-Parental) R3	Xcorr	Missed_Cleavages	Theo_MH+	m/z [Da]	DeltaM [ppm]	Deltam/z [Da]	RT [min]
32698678	ZNF213	zinc finger protein 213	4.139433551	1	1	1	459	51.231	6.95	0.771	-	-														
													EQHPGSGEEAVALVEDLQK	1	1	2xTMT6plex [N-Term; K19]	0.771	-	-	1.004708409	0	2494.318953	3	832.1116943	0.632307994	56.17034444
7657196	ZNF330	zinc finger protein 330 isoform 1	2.8125	1	1	1	320	36.177	6.16	-	-	1.499														
													CGHETQETK	1	1	2xTMT6plex [N-Term; K9]; 1xCarbamidomethyl	-	-	1.499	0.86012888	0	1547.788812	3	516.6013794	0.499062655	21.38259374
134133288	ZNF407	zinc finger protein 407 isoform 1	0.934163701	1	1	1	2248	247.211	6.49	1.072	-	-														
													CDDCGFLADGLSGLNVHIAMK	1	1	2xTMT6plex [N-Term; K21]; 1xOxidation [M20];	1.072	-	-	1.152221799	0	2767.361763	3	923.1278687	2.634117855	85.67816186
409264581	ZNF598	zinc finger protein 598	1.327433628	1	1	1	904	98.605	8.4	1.086	-	-														
													RSEDQEEGGRPK	1	1	2xTMT6plex [N-Term; K12]	1.086	-	-	1.381866693	1	1845.981909	3	615.9984741	-0.563400277	18.89574971
39753953	ZNF800	zinc finger protein 800	1.054216867	1	2	1	664	75.189	9.47	-	1.052	0.934														
													QDSESPK	2	1	2xTMT6plex [N-Term; K7]	-	1.052	0.934	1.337612391	0	1248.683602	3	416.8993835	-0.003832223	27.2035492
31791053	ZNF804B	zinc finger protein 804B	1.260192735	2	2	2	1349	152.477	8.54	-	0.767	1.324														
													CNSGNISCLLK	1	1	2xTMT6plex [N-Term; K11]; 2xCarbamidomethyl	-	0.767	-	1.050706148	0	1723.923532	2	862.4644165	-1.146055582	67.17219904
													SAILIK	2	1	2xTMT6plex [N-Term; K6]	-	-	1.324	1.171014905	0	1102.760002	2	551.883606	-0.060626009	62.78095791
4508021	ZPR1	zinc finger protein ZPR1 isoform 1	4.793028322	2	3	2	459	50.893	4.73	1.904	1.774	1.87														
													IPELDFEIPAFSQK	2	1	2xTMT6plex [N-Term; K14]	1.904	1.774	-	1.574335337	0	2092.173064	3	698.0610352	-2.15646656	99.4288607
													LVQIPHFK	1	1	2xTMT6plex [N-Term; K8]	-	-	1.87	1.003155351	0	1439.913877	3	480.6421204	-1.436951229	71.79642846
548961129	ZSCAN32	zinc finger and SCAN domain-containing protein 32 isoform a	1.291248207	1	1	1	697	78.678	8.06	-	-	1.001														
													NSPGESEEK	1	1	2xTMT6plex [N-Term; K9]	-	-	1.001	0.902179599	0	1434.747659	2	717.8775635	0.133447247	31.12697384
110578655	ZWILCH	protein zwilch homolog isoform 1	2.538071066	1	1	1	591	67.172	6.27	-	2.126	-														
													SAVELVQEFLNDLNK	1	1	2xTMT6plex [N-Term; K15]	-	2.126	-	1.098381877	0	2177.221805	3	726.4103394	-2.45271914	108.0005204
4508047	ZYX	zyxin	8.566433566	4	6	4	572	61.238	6.67	0.997	0.651	1.583														
													FSPGAPGGSGSQPNQK	2	1	2xTMT6plex [N-Term; K16]	0.73	0.651	-	0.571782947	0	1974.044509	2	987.5261841	0.294909289	45.14610054
													QNVAVNELCGR	1	1	1xTMT6plex [N-Term]; 1xCarbamidomethyl	1.046	-	-	0.97496742	0	1488.779027	2	744.8926392	-0.688705086	46.23730161
													SPGAPGPLTLK	2	1	2xTMT6plex [N-Term; K11]	1.095	-	1.619	1.329470158	0	1495.924835	3	499.3141785	2.103521725	64.27776387
													CNTCGEPITDR	1	1	1xTMT6plex [N-Term]; 2xCarbamidomethyl	-	-	1.246	0.688531578	0	1551.709293	2	776.3575439	-0.954740287	32.70368902
4502067	AMBP	protein AMBP preproprotein	3.409090909	1	3	1	352	38.974	6.25	-	0.977	1.08														
													GVCEETSGAYEK	3	1	2xTMT6plex [N-Term; K12]; 1xCarbamidomethyl	-	0.977	1.08	0.989859879	0	1787.888586	2	894.4478149	-0.130157544	46.58460544