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**Table E1. Size exclusion chromatography analysis (Superdex 200)**

| Sample injected   | Number of peaks | V <sub>R</sub> peak 1 [ml] | Components peak 1*  | V <sub>R</sub> peak 2 [ml] | Components peak 2*                                  |
|---|-----------------|----------------------------|---|----------------------------|---|
| Mpp6  | 1               | 1.48                       | Mpp6  |                            |   |
| Mtr4  | 1               | 1.24                       | Mtr4  |                            |   |
| Mtr4 + Mpp6   | 2               | 1.23                       | Mtr4  | 1.46                       | Mpp6  |
| Rrp6 <sub>ΔNLS</sub> /Rrp47                                   | 1               | 1.20                       | Rrp6 <sub>ΔNLS</sub> /Rrp47                                 |                            |   |
| Mtr4 + Rrp6 <sub>ΔNLS</sub> /Rrp47 + Mpp6                     | 2               | 1.13                       | Mtr4/Rrp6 <sub>ΔNLS</sub> /Rrp47                            | 1.46                       | Mpp6  |
| Rrp6 <sub>ΔN</sub>  | 1               | 1.25                       | Rrp6 <sub>ΔN</sub>  |                            |   |
| Exo-9   | 1               | 1.13                       | Exo-9   |                            |   |
| Exo-9 + Rrp6 <sub>ΔN</sub> + Mtr4                             | 2               | 1.08                       | Exo-9/Rrp6 <sub>ΔN</sub>                                    | 1.23                       | Mtr4  |
| Exo-9 + Rrp6 <sub>ΔNLS</sub> /Rrp47                           | 1               | 1.05                       | Exo-9/Rrp6 <sub>ΔNLS</sub> /Rrp47                           |                            |   |
| Exo-9 + Rrp6 <sub>ΔNLS</sub> /Rrp47 + Mtr4                    | 1               | 1.02                       | Exo-9/Rrp6 <sub>ΔNLS</sub> /Rrp47/Mtr4                      |                            |   |
| Rrp44   | 1               | 1.31                       | Rrp44   |                            |   |
| Exo-9 + Mtr4 + Mpp6   | 2               | 1.09                       | Exo-9/Mpp6  | 1.21                       | Mtr4  |
| Exo-9 + Rrp6 <sub>ΔNLS</sub> /Rrp47 + Mtr4 + Mpp6             | 1               | 1.01                       | Exo-9/Rrp6 <sub>ΔNLS</sub> /Rrp47/Mtr4/Mpp6                 |                            |   |
| Exo-9 + Rrp44 + Rrp6 <sub>ΔNLS</sub> /Rrp47 + Mtr4 + Mpp6     | 1               | 1.01                       | Exo-9/Rrp44/Rrp6 <sub>ΔNLS</sub> /Rrp47/Mtr4/Mpp6           |                            |   |
| Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>                        | 1               | 1.52                       | Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>                      |                            |   |
| Mtr4 <sub>Δ80</sub>   | 1               | 1.31                       | Mtr4 <sub>Δ80</sub>   |                            |   |
| Mtr4 <sub>Δ80</sub> + Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>  | 2               | 1.31                       | Mtr4 <sub>Δ80</sub>   | 1.51                       | Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>              |
| Mtr4 + Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>                 | 2               | 1.22                       | Mtr4/Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>                 | 1.51                       | Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub> <sup>†</sup> |
| Mtr4 <sub>80</sub>  | 1               | 1.57                       | Mtr4 <sub>80</sub>  |                            |   |
| Mtr4 <sub>80</sub> + Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>   | 1               | 1.43                       | Mtr4 <sub>80</sub> /Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub>  |                            |   |
| Rrp6 <sub>N</sub>   | 1               | 1.56                       | Rrp6 <sub>N</sub>   |                            |   |
| Rrp47 <sub>ΔC</sub>   | 1               | 1.46                       | Rrp47 <sub>ΔC</sub>   |                            |   |
| Mtr4 + Rrp6 <sub>N</sub>                                      | 2               | 1.23                       | Mtr4  | 1.56                       | Rrp6 <sub>N</sub>                                   |
| Mtr4 + Rrp47 <sub>ΔC</sub>                                    | 2               | 1.24                       | Mtr4  | 1.46                       | Rrp47 <sub>ΔC</sub>                                 |
| <i>N.crassa</i> Mtr4  | 1               | 1.20                       | <i>N.crassa</i> Mtr4  |                            |   |
| <i>N.crassa</i> Mtr4 + Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub> | 2               | 1.18                       | <i>N.crassa</i> Mtr4/Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub> | 1.50                       | Rrp6 <sub>N</sub> /Rrp47 <sub>ΔC</sub> <sup>†</sup> |

\* identified by SDS-PAGE

† excessive free component