Supplementary Material

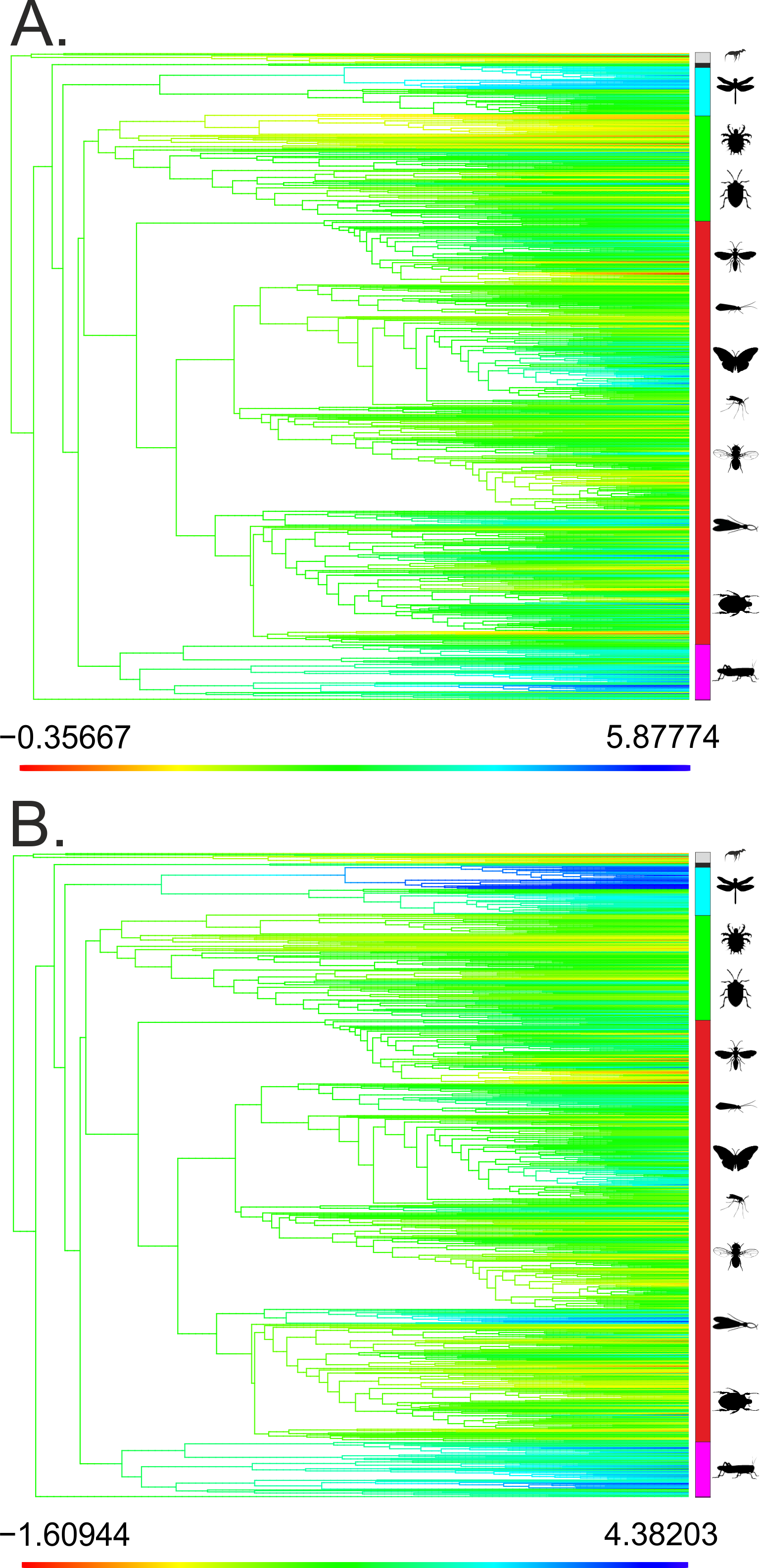


Figure S1. Phylogenetic plot of (log) size traits. A) log maximum body length; B) log minimum body length. Ancestral reconstruction of internal nodes based on a BM process (ancML) (Revel 2013). Lower bars denote the minimum and maximum values of observed traits (ln(mm)); coloration on a red to blue scale. Terminal bars denote membership of major clades; colors as in Figure 1.

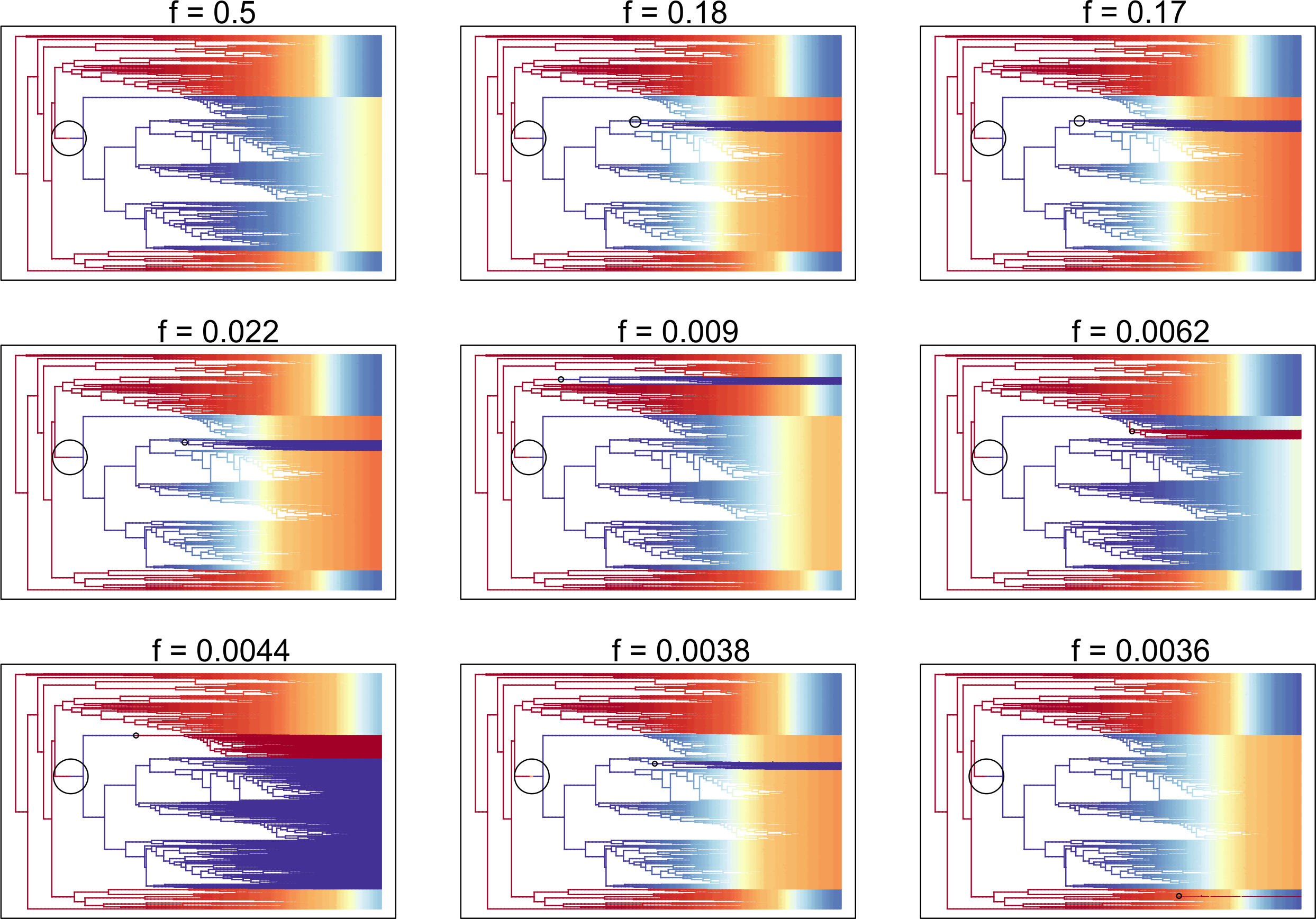


Figure S2. Maximum credible model set from Bayesian Analysis of Macroevolutionary Mixtures (BAMM) corresponding to 95% of the overall model likelihood. Models are listed in order of frequency (f) of obtaining model in the post burnin set corresponding to their inferred probability (listed from top, left to right). Coloration and tree orientation are as in Figure 4.

Table S1. Compiled body length data for included terminal groups with references. Species richness estimates taken from (Rainford *et al.*, 2014); SI. Where multiple references are given they refer respectively to the minimum /maximum values. Taxonomic alterations from (Rainford *et al.*, 2014) are listed in notes.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Taxon | Richness | Length Data | | Raw Data | | Reference | Notes |
| Min (mm) | Max (mm) | Min (mm) | Max (mm) |
| Archaeognatha | 495 | 10 | 12 |  |  | (Arnett, 2000) |  |
| Blattodea Blaberidae | 1198 | 2.5 | 75 |  |  | (Arnett, 2000)/(Hogue, 1993) |  |
| Blattodea Blattidae | 2381 | 18 | 45 |  |  | (Arnett, 2000) |  |
| Blattodea Cryptocercidae | 594 | 24 | 29 |  |  | (Arnett, 2000) |  |
| Blattodea Ectobiidae | 12 | 8 | 18 |  |  | (Arnett, 2000) |  |
| Blattodea Corydiidae | 247 | 15 | 24 |  |  | (Arnett, 2000) | Includes Nocticolidae |
| Coleoptera Amphizoidae | 5 | 11 | 16 |  |  | (Parker, 1982) |  |
| Coleoptera Aspidytidae | 2 | 4.8 | 7 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Carabidae | 40000 | 1 | 85 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Dytiscidae | 4015 | 1 | 48 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Gyrinidae | 882 | 3 | 15 |  |  | (Parker, 1982) |  |
| Coleoptera Haliplidae | 218 | 2 | 6 |  |  | (Parker, 1982) |  |
| Coleoptera Hygrobiidae | 5 | 8 | 10 |  |  | (Parker, 1982) |  |
| Coleoptera Noteridae | 250 | 1 | 5.8 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Trachypachidae | 6 | 3.8 | 7 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Cupedidae | 31 | 5 | 22 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Micromalthidae | 1 | 1.5 | 2.5 |  |  | (Parker, 1982) |  |
| Coleoptera Ommatidae | 6 | 6 | 27 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Lepiceridae | 1 | 1.5 | 2 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Hydroscaphidae | 22 | 1 | 2 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Sphaeriusidae | 19 | 0.5 | 1.2 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Torridincolidae | 60 | 1 | 2.7 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Aderidae | 900 | 1 | 4 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Agyrtidae | 70 | 4 | 14 |  |  | (Arnett et al., eds, 2000) |  |
| Coleoptera Alexiidae | 50 | 1.2 | 1.7 |  |  | (Shockley, 2008) |  |
| Coleoptera Anobiidae | 2084 | 1 | 9 |  |  | (Parker, 1982) |  |
| Coleoptera Anthicidae | 3000 | 1.5 | 15 |  |  | (Parker, 1982) |  |
| Coleoptera Anthribidae | 3900 | 1 | 20 |  |  | (Parker, 1982) |  |
| Coleoptera\_Polyphaga\_ Artematopodidae | 45 | 2.5 | 10 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Attelabidae | 2500 | 1 | 18 |  |  | (Parker, 1982) |  |
| Coleoptera Belidae | 375 | 4.5 | 20 |  |  | (Parker, 1982) |  |
| Coleoptera Biphyllidae | 200 | 1.5 | 8 |  |  | (Parker, 1982) |  |
| Coleoptera Boridae | 4 | 8 | 25 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Bostrichidae | 570 | 1 | 50 |  |  | (Parker, 1982) |  |
| Coleoptera Bothrideridae | 400 | 1.5 | 13 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Brachyceridae | 385 | 1.5 | 6 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Brentidae | 4000 | 3 | 80 |  |  | (Parker, 1982) |  |
| Coleoptera Buprestidae | 14700 | 1.5 | 60 |  |  | (Parker, 1982) |  |
| Coleoptera Byrrhidae | 430 | 1.5 | 10 |  |  | (Parker, 1982) |  |
| Coleoptera Byturidae | 24 | 2.5 | 8 |  |  | (Parker, 1982) |  |
| Coleoptera Callirhipidae | 150 | 9 | 23 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Cantharidae | 5100 | 1.5 | 30 |  |  | (Parker, 1982) |  |
| Coleoptera Cephaloidae | 19 | 4.2 | 22 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Cerambycidae | 30079 | 2 | 200 |  |  | (Parker, 1982) |  |
| Coleoptera Ceratocanthidae | 120 | 2 | 9 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Cerylonidae | 450 | 1 | 4 |  |  | (Parker, 1982) |  |
| Coleoptera Chelonariidae | 250 | 2.5 | 10 |  |  | (Parker, 1982) |  |
| Coleoptera Chrysomelidae | 32500 | 1 | 40 |  |  | (Parker, 1982) |  |
| Coleoptera Ciidae | 650 | 0.5 | 7 |  |  | (Parker, 1982) |  |
| Coleoptera Clambidae | 170 | 0.7 | 2 |  |  | (Parker, 1982) |  |
| Coleoptera Cleridae | 3400 | 2 | 25 |  |  | (Parker, 1982) |  |
| Coleoptera Coccinellidae | 6000 | 1 | 10 |  |  | (Parker, 1982) |  |
| Coleoptera Corylophidae | 200 | 0.7 | 2.3 |  |  | (Parker, 1982) |  |
| Coleoptera Cryptophagidae | 600 | 1 | 4 |  |  | (Parker, 1982) |  |
| Coleoptera Cucujidae | 44 | 2.5 | 25 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Curculionidae | 50615 | 1 | 55 |  |  | (Parker, 1982) |  |
| Coleoptera Dascillidae | 80 | 6 | 20 |  |  | (Parker, 1982) |  |
| Coleoptera Dermestidae | 1200 | 1 | 12 |  |  | (Parker, 1982) |  |
| Coleoptera Derodontidae | 30 | 1.5 | 4 |  |  | (Parker, 1982) |  |
| Coleoptera Discolomatidae | 400 | 1.1 | 8 |  |  | (Parker, 1982) |  |
| Coleoptera Drilidae | 120 | 3 | 10 |  |  | (Parker, 1982) |  |
| Coleoptera Dryopidae | 300 | 2 | 8 |  |  | (Parker, 1982) |  |
| Coleoptera Elateridae | 10000 | 1.5 | 60 |  |  | (Parker, 1982) |  |
| Coleoptera Elmidae | 1500 | 1 | 8 |  |  | (Parker, 1982) |  |
| Coleoptera Endomychidae | 1800 | 1 | 18 |  |  | (Parker, 1982) |  |
| Coleoptera Epimetopidae | 27 | 1 | 4 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Erotylidae | 2500 | 2.5 | 25 |  |  | (Parker, 1982) |  |
| Coleoptera Eucinetidae | 53 | 0.8 | 4 |  |  | (Parker, 1982) |  |
| Coleoptera Eucnemidae | 1500 | 1.5 | 40 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Eulichadidae | 30 | 15 | 25 |  |  | (Parker, 1982) |  |
| Coleoptera Georissidae | 77 | 1 | 3 |  |  | (Parker, 1982) |  |
| Coleoptera Geotrupidae | 920 | 5 | 45 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Glaphyridae | 204 | 6 | 20 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Glaresidae | 57 | 2.5 | 6 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Helophoridae | 183 | 2 | 9 |  |  | (Beutel & Leschen, 2005) |  |
| Coleoptera Helotidae | 107 | 6 | 16 |  |  | (Parker, 1982) |  |
| Coleoptera Heteroceridae | 300 | 1 | 8 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Histeridae | 4300 | 0.5 | 20 |  |  | Parker et al 82 |  |
| Coleoptera Hybosoridae | 572 | 5 | 7 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Hydraenidae | 1600 | 1.2 | 3 |  |  | (Parker, 1982) |  |
| Coleoptera Hydrochidae | 164 | 2 | 4 |  |  | (Jäch & Balke, 2003) |  |
| Coleoptera Hydrophilidae | 3400 | 1 | 40 |  |  | (Parker, 1982) |  |
| Coleoptera Ithyceridae | 6 | 12 | 15 |  |  | (Parker, 1982) |  |
| Coleoptera Kateretidae | 95 | 1.3 | 6 |  |  | (Hisamatsu, 2011) |  |
| Coleoptera Laemophloeidae | 430 | 1 | 5 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Lampyridae | 2200 | 4 | 30 |  |  | (Parker, 1982) |  |
| Coleoptera Languriidae | 1000 | 1.2 | 25 |  |  | (Parker, 1982) |  |
| Coleoptera Latridiidae | 1000 | 1 | 3 |  |  | (Shockley *et al.*, 2011) |  |
| Coleoptera Leiodidae | 3700 | 1 | 7 |  |  | (Parker, 1982) |  |
| Coleoptera Limnichidae | 390 | 0.8 | 3 |  |  | (Parker, 1982) |  |
| Coleoptera Lucanidae | 1489 | 4 | 80 |  |  | (Parker, 1982) |  |
| Coleoptera Lutrochidae | 11 | 3 | 5 |  |  | (Parker, 1982) |  |
| Coleoptera Lycidae | 4600 | 3 | 22 |  |  | (Parker, 1982) |  |
| Coleoptera Lymexylidae | 70 | 5 | 40 |  |  | (Parker, 1982) |  |
| Coleoptera Mauroniscidae | 26 | 2 | 4.5 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Melandryidae | 420 | 1.2 | 19 |  |  | (Parker, 1982) |  |
| Coleoptera Meloidae | 3000 | 5 | 33 |  |  | (Parker, 1982) |  |
| Coleoptera Melyridae | 6000 | 1 | 20 |  |  | (Parker, 1982) |  |
| Coleoptera Monotomidae | 250 | 1.3 | 5 |  |  | (Parker, 1982) |  |
| Coleoptera Mordellidae | 1500 | 2 | 15 |  |  | (Parker, 1982) |  |
| Coleoptera Mycetophagidae | 130 | 0.8 | 6.5 |  |  | (Parker, 1982) |  |
| Coleoptera Nemonychidae | 70 | 4 | 6 |  |  | (Parker, 1982) |  |
| Coleoptera Nitidulidae | 4500 | 0.9 | 14 |  |  | (Parker, 1982) |  |
| Coleoptera Nosodendridae | 50 | 2.5 | 9 |  |  | (Parker, 1982) |  |
| Coleoptera Ochodaeidae | 110 | 3 | 10 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Oedemeridae | 500 | 5 | 20 |  |  | (Parker, 1982) |  |
| Coleoptera Omalisidae | 8 | 3 | 9 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Omethidae | 33 | 3 | 12 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Orsodacnidae | 40 | 4 | 15 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Passalidae | 800 | 18 | 80 |  |  | (Parker, 1982) |  |
| Coleoptera Passandridae | 109 | 3 | 35 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Perimylopidae | 19 | 6 | 10 |  |  | (Parker, 1982) |  |
| Coleoptera Phalacridae | 640 | 1.2 | 4.5 |  |  | (Parker, 1982) |  |
| Coleoptera Phengodidae | 250 | 3 | 65 |  |  | (Parker, 1982) |  |
| Coleoptera Phloeostichidae | 14 | 2.4 | 15 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Phloiophilidae | 1 | 2 | 3 |  |  | (Parker, 1982) |  |
| Coleoptera Pleocomidae | 50 | 15 | 45 |  |  | (Parker, 1982) |  |
| Coleoptera Prionoceridae | 160 | 5.5 | 20 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Propalticidae | 30 | 1.2 | 1.8 |  |  | (Parker, 1982) |  |
| Coleoptera Prostomidae | 30 | 5 | 10 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Protocucujidae | 7 | 3.5 | 5.8 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Psephenidae | 290 | 2 | 7 |  |  | (Parker, 1982) |  |
| Coleoptera Ptiliidae | 650 | 0.3 | 2 |  |  | (Parker, 1982) |  |
| Coleoptera Ptilodactylidae | 500 | 2 | 16 |  |  | (Parker, 1982) |  |
| Coleoptera Ptinidae | 500 | 1 | 5 |  |  | (Parker, 1982) |  |
| Coleoptera Pyrochroidae | 167 | 7 | 18 |  |  | (Parker, 1982) |  |
| Coleoptera Pythidae | 23 | 3 | 20 |  |  | (Parker, 1982) |  |
| Coleoptera Rhipiceridae | 70 | 10 | 25 |  |  | (Parker, 1982) |  |
| Coleoptera Ripiphoridae | 400 | 2 | 38 |  |  | (Parker, 1982) |  |
| Coleoptera Salpingidae | 300 | 1.5 | 12 |  |  | (Parker, 1982) |  |
| Coleoptera Scarabaeidae | 27000 | 1 | 160 |  |  | (Parker, 1982) |  |
| Coleoptera Scirtidae | 800 | 1.5 | 12 |  |  | (Parker, 1982) |  |
| Coleoptera Scraptiidae | 500 | 1.3 | 15 |  |  | (Parker, 1982) |  |
| Coleoptera Scydmaenidae | 4586 | 0.5 | 7 |  |  | (Parker, 1982) |  |
| Coleoptera Silphidae | 200 | 7 | 45 |  |  | (Parker, 1982) |  |
| Coleoptera Silvanidae | 500 | 2 | 15 |  |  | (Arnett *et al.*, 2010) |  |
| Coleoptera Spercheidae | 19 | 3 | 7 |  |  | (Darilmaz & Kiyak, 2011) |  |
| Coleoptera Sphaeritidae | 5 | 4 | 6 |  |  | (Parker, 1982) |  |
| Coleoptera Sphindidae | 59 | 1.5 | 3.5 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Staphylinidae | 56000 | 0.5 | 50 |  |  | (Parker, 1982) |  |
| Coleoptera Synchroidae | 8 | 7 | 13 |  |  | (Parker, 1982) |  |
| Coleoptera Tenebrionidae | 20000 | 1 | 50 |  |  | (Parker, 1982) |  |
| Coleoptera Tetratomidae | 150 | 2.8 | 15 |  |  | (Parker, 1982) |  |
| Coleoptera Throscidae | 150 | 1.2 | 6 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Trictenotomidae | 13 | 32 | 80 |  |  | (Leschen *et al.*, 2010) |  |
| Coleoptera Trogossitidae | 600 | 1 | 50 |  |  | (Parker, 1982) |  |
| Coleoptera Zopheridae | 1700 | 2 | 40 |  |  | (Parker, 1982) |  |
| Collembola Entomobryidae | 2189 | 1 | 10 |  |  | (Arnett, 2000) | Includes Paronellidae- |
| Collembola Hypogastruridae | 682 | 0.8 | 3 |  |  | (Arnett, 2000) |  |
| Collembola Isotomidae | 1346 | 0.7 | 6 |  |  | (Arnett, 2000) |  |
| Collembola Neanuridae | 1546 | 2 | 3.5 |  |  | (Arnett, 2000) | includes Brachystomellidae |
| Collembola Neelidae | 33 | 0.3 | 0.7 |  |  | (Arnett, 2000) |  |
| Collembola Onychiuridae | 913 | 0.5 | 3 |  |  | (Arnett, 2000) | includes Odontellidae + Tullbergiidae |
| Collembola Poduridae | 1 | 1.3 | 2 |  |  | (Arnett, 2000)/(Hopkin, 1997) |  |
| Collembola Sminthuridae | 742 | 0.4 | 2.7 |  |  | (Arnett, 2000) | includes Bourletiellidae, Dicyrtomidae and Oncopoduridae |
| Collembola Tomoceridae | 354 | 6 | 10 |  |  | (Arnett, 2000) | includes Katiannidae |
| Dermaptera Anisolabididae | 38 | 9 | 13 |  |  | (Arnett, 2000) |  |
| Dermaptera Apachyidae | 15 | 11 | 25 |  |  | (Boeseman, 1954) |  |
| Dermaptera Chelisochidae | 95 | 16 | 20 |  |  | (Arnett, 2000) |  |
| Dermaptera Forficulidae | 485 | 10 | 18 |  |  | (Arnett, 2000) |  |
| Dermaptera Labiduridae | 64 | 18 | 80 |  |  | (Arnett, 2000)/(Berenbaum, 2007) |  |
| Dermaptera Labiidae | 495 | 4 | 7 |  |  | (Arnett, 2000) |  |
| Dermaptera Pygidicranidae | 181 | 9 | 45 |  |  | (Parker, 1982) |  |
| Diplura Campodeidae | 448 | 8 | 10 |  |  | (Arnett, 2000) |  |
| Diplura Japygoidea | 590 | 8 | 50 |  |  | (Arnett, 2000) |  |
| Diptera Acartophthalmidae | 6 | 2.5 | 3 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Acroceridae | 400 | 2 | 21 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Agromyzidae | 3017 | 0.9 | 6.5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Anisopodidae | 196 | 2 | 18 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Anthomyiidae | 1941 | 2 | 12 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Anthomyzidae | 100 | 1.1 | 3.4 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Apioceridae | 143 | 7.5 | 35 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Apsilocephalidae | 7 | 4.5 | 5.5 |  |  | (Nagatomi *et al.*, 1991) |  |
| Diptera Asilidae | 7531 | 3 | 60 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Asteiidae | 138 | 1 | 5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Atelestidae | 22 | 1.5 | 4 |  |  | (Wiegmann, 1989)/(Capinera, 2008) |  |
| Diptera Athericidae | 133 | 7 | 10 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Aulacigastridae | 19 | 1.5 | 4 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Australimyzidae | 9 | 1.3 | 2.6 |  |  | (Brake & Mathis, 2007) |  |
| Diptera Austroleptidae | 8 | 3.1 | 5.3 |  |  | (Nagatomi & Nagatomi, 1987) |  |
| Diptera Axymyiidae | 8 | 4 | 7 | 5 | 8 | (Schneeberg *et al.*, 2013) | Data given as wing length |
| Diptera Bibionidae | 1382 | 2 | 15 |  |  | (Brown *et al.*, 2009) | Includes Pleciidae |
| Diptera Blephariceridae | 331 | 3 | 13 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Bombyliidae | 5382 | 4 | 40 |  |  | (Arnett, 2000) |  |
| Diptera\_Braulidae | 7 | 1 | 1.7 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Calliphoridae | 1525 | 4 | 16 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Canthyloscelidae | 14 | 2 | 3.5 |  |  | Manual of Neoarctic diptera |  |
| Diptera Carnidae | 92 | 1 | 3 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Cecidomyiidae | 6296 | 1 | 8 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Ceratopogonidae | 5902 | 1 | 6 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Chaoboridae | 89 | 1.4 | 10 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Chironomidae | 7290 | 1 | 13 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Chloropidae | 2885 | 1 | 7 |  |  | (Karpa, 2001) |  |
| Diptera Chyromyidae | 139 | 0.5 | 4.5 |  |  | (Brown *et al.*, 2009)/ (McAlpine *et al.*, eds, 1987) |  |
| Diptera Clusiidae | 363 | 1.8 | 7.5 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Coelopidae | 35 | 3 | 16 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Conopidae | 831 | 2.5 | 30 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Corethrellidae | 111 | 0.6 | 2.5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Culicidae | 3725 | 3 | 9 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Deuterophlebiidae | 14 | 2 | 4 |  |  | (Arnett, 2000) |  |
| Diptera Diadocidiidae | 39 | 3 | 10 |  |  | (Bechev & Chandler, 2011) |  |
| Diptera Diopsidae | 194 | 4 | 12 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Dixidae | 197 | 4.5 | 7 |  |  | (Arnett, 2000) |  |
| Diptera Dolichopodidae | 7358 | 0.8 | 9 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Drosophilidae | 4017 | 1 | 7 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Dryomyzidae | 30 | 4 | 18 |  |  | (Mathis & Sueyoshi, 2011) |  |
| Diptera Empididae | 3142 | 2 | 12 |  |  | (Capinera, 2008) |  |
| Diptera Ephydridae | 1994 | 0.6 | 11 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Fanniidae | 359 | 3.5 | 7.5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Fergusoninidae | 29 | 2 | 3 |  |  | (Nelson *et al.*, 2011) |  |
| Diptera Glossinidae | 25 | 6 | 14 |  |  | (Wall & Shearer, 2008) |  |
| Diptera Helcomyzidae | 12 | 3 | 16 |  |  | (Mathis, 2011a) |  |
| Diptera Helosciomyzidae | 23 | 5 | 11 |  |  | (Barnes, 1981) |  |
| Diptera Hesperinidae | 10 | 4.7 | 12 |  |  | (Papp, 2010) |  |
| Diptera Heterocheilidae | 2 | 4.2 | 6.5 |  |  | (Mathis, 2011b) |  |
| Diptera Hilarimorphidae | 36 | 1.8 | 7.2 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Hippoboscidae | 271 | 1.5 | 12 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Hybotidae | 2005 | 1 | 9 |  |  | (Capinera, 2008) |  |
| Diptera Keroplatidae | 993 | 2.8 | 8.8 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Lauxaniidae | 1900 | 2 | 11 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Lonchaeidae | 504 | 3 | 6 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Lonchopteridae | 65 | 2 | 4 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Lygistorrhinidae | 44 | 3 | 5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Marginidae | 3 | 1.5 | 2 |  |  | (McAlpine, 1991) |  |
| Diptera Micropezidae | 583 | 5 | 17 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Milichiidae | 288 | 1 | 7 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Muscidae | 5218 | 2 | 20 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Mycetophilidae | 4525 | 2.2 | 13.3 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Mydidae | 498 | 9 | 60 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Mythicomyiidae | 350 | 0.8 | 3 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Nemestrinidae | 300 | 4 | 16 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Neurochaetidae | 22 | 1.5 | 4.1 |  |  | (McAlpine, 1993) |  |
| Diptera Nycteribiidae | 274 | 1.5 | 5.5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Odiniidae | 65 | 2.5 | 6 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Oestridae | 176 | 8 | 25 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Opomyzidae | 61 | 2 | 4.4 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Pachyneuridae | 8 | 5 | 6 |  |  | (Arnett, 2000) |  |
| Diptera Pallopteridae | 71 | 3 | 5 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Pelecorhynchidae | 49 | 4 | 18 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Periscelididae | 91 | 2.5 | 5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Perissommatidae | 9 | 1 | 2 |  |  | (Colless, 1969) |  |
| Diptera Phoridae | 4200 | 0.5 | 6 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Piophilidae | 83 | 3 | 8 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Pipunculidae | 1428 | 2 | 11.5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Platypezidae | 277 | 1.4 | 10 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Platystomatidae | 1164 | 2.5 | 20 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Psilidae | 322 | 3 | 12 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Psychodidae | 3026 | 1 | 5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Ptychopteridae | 156 | 7 | 14 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Pyrgotidae | 351 | 5 | 30 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Rhagionidae | 756 | 4 | 12 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Rhinophoridae | 174 | 3.5 | 8 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Richardiidae | 178 | 3 | 15 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Sarcophagidae | 3094 | 5 | 25 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Scathophagidae | 419 | 3 | 13 |  |  | (McAlpine *et al.*, eds, 1987) |  |
| Diptera Scatopsidae | 407 | 0.6 | 4.1 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Scenopinidae | 420 | 1 | 8.5 |  |  | (Oosterbroek, 1998) |  |
| Diptera Sciaridae | 2455 | 1 | 11 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Sciomyzidae | 618 | 2 | 13 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Sepsidae | 345 | 2 | 7 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Simuliidae | 2121 | 1 | 5.5 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Somatiidae | 7 | 3.5 | 5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Sphaeroceridae | 1571 | 0.7 | 6 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Stratiomyidae | 2690 | 2 | 28 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Streblidae | 237 | 0.7 | 5.5 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Strongylophthalmyiidae | 45 | 2 | 6 |  |  | (Palaczyk *et al.*, 2013) |  |
| Diptera Synneuridae | 3 | 2 | 3.5 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Syrphidae | 6107 | 4 | 25 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Tabanidae | 4434 | 6 | 30 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Tachinidae | 9626 | 3 | 25 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Tanyderidae | 55 | 11 | 23 | 20 | 42 | (Arnett, 2000) | Data given as wingspan |
| Diptera Tephritidae | 4716 | 2 | 35 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Thaumaleidae | 183 | 2 | 4.5 |  |  | (Arnett, 2000) |  |
| Diptera Therevidae | 1143 | 2.5 | 15 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Tipulidae | 15770 | 6 | 60 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Trichoceridae | 183 | 3 | 9 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Ulidiidae | 678 | 2 | 14 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Vermileonidae | 61 | 7 | 12 |  |  | (Brown *et al.*, 2009) |  |
| Diptera Xenasteiidae | 13 | 1.2 | 2 |  |  | (Evenhius, 2011) |  |
| Diptera Xylomyidae | 138 | 5 | 15 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Diptera Xylophagidae | 145 | 2 | 25 |  |  | (McAlpine *et al.*, eds, 1981) |  |
| Embioptera | 337 | 4 | 22 |  |  | (Arnett, 2000) | Represents Order |
| Ephemeroptera Ameletidae | 56 | 7 | 21 |  |  | (Zloty & Pritchard, 1997) |  |
| Ephemeroptera Ameletopsidae | 6 | 15.5 | 22 |  |  | (Mercado & Elliot, 2005) |  |
| Ephemeroptera Ametropodidae | 3 | 13 | 15 | 13 | 15 | (Edmunds *et al.*, 1976) | Data as forewing length |
| Ephemeroptera Baetidae | 860 | 3 | 10 |  |  | (Arnett, 2000) |  |
| Ephemeroptera Baetiscidae | 12 | 8 | 16 | 8 | 16 | (Edmunds *et al.*, 1976) | Data as forewing length |
| Ephemeroptera Behningiidae | 7 | 12 | 18 |  |  | (Parker, 1982) |  |
| Ephemeroptera Caenidae | 211 | 2 | 6 |  |  | (Arnett, 2000) |  |
| Ephemeroptera Coloburiscidae | 6 | 13 | 18 |  |  | (Marsh, 2004) |  |
| Ephemeroptera Dipteromimidae | 2 | 13 | 23.5 |  |  | (Tojo & Matsukawa, 2003) |  |
| Ephemeroptera Ephemerellidae | 91 | 5 | 12 |  |  | (Arnett, 2000) |  |
| Ephemeroptera Ephemeridae | 160 | 10 | 32 |  |  | (Parker, 1982) |  |
| Ephemeroptera Euthyplociidae | 19 | 11 | 16 |  |  | (Gillies, 1980) |  |
| Ephemeroptera Heptageniidae | 529 | 4 | 14 |  |  | (Arnett, 2000) |  |
| Ephemeroptera Ichthybotidae | 2 | 19 | 22 |  |  | (Phillips, 1930) |  |
| Ephemeroptera Isonychiidae | 30 | 9 | 16 |  |  | (Arnett, 2000) |  |
| Ephemeroptera Leptohyphidae | 157 | 2 | 10 |  |  | (Dominguez *et al.*, 2006) |  |
| Ephemeroptera Leptophlebiidae | 623 | 4 | 12 | 4 | 14 | (Edmunds *et al.*, 1976) | Data as forewing length |
| Ephemeroptera Metretopodidae | 13 | 9 | 16 | 9 | 16 | (Edmunds *et al.*, 1976) | Data as forewing length |
| Ephemeroptera\_Neoephemeridae | 7 | 6 | 13 |  |  | (Bae & McCafferty, 1998) |  |
| Ephemeroptera Nesameletidae | 11 | 10.5 | 16.5 |  |  | (Hitchings & Staniczek, 2003) |  |
| Ephemeroptera Oligoneuriidae | 54 | 6 | 10 | 6 | 10 | (Edmunds *et al.*, 1976) | Data as forewing length |
| Ephemeroptera Oniscigastridae | 8 | 10 | 11 |  |  | (Heckman, 2002) |  |
| Ephemeroptera Palingeniidae | 32 | 15 | 35 |  |  | (Parker, 1982) |  |
| Ephemeroptera Polymitarcyidae | 84 | 12 | 35 |  |  | (Parker, 1982) |  |
| Ephemeroptera Potamanthidae | 23 | 8 | 25 |  |  | (Parker 1982) |  |
| Ephemeroptera Prosopistomatidae | 19 | 1.5 | 4.5 |  |  | (Pearson & Penridge 1979) |  |
| Ephemeroptera Rallidentidae | 1 | 10.5 | 12 |  |  | (Penniket 1966) |  |
| Ephemeroptera Siphlaenigmatidae | 1 | 8 | 9 |  |  | (Penniket 1962) |  |
| Ephemeroptera Siphlonuridae | 49 | 9 | 13 |  |  | (Arnett 2000) |  |
| Ephemeroptera Tricorythidae | 34 | 4 | 6.5 |  |  | (Edmunds et al. 1976) | Data as forewing length |
| Grylloblattidae | 27 | 10 | 30 |  |  | (Arnett 2000) |  |
| Hemiptera Acanthosomatidae | 200 | 6 | 18 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Achilidae | 503 | 3 | 13 |  |  | (Capinera 2008) |  |
| Hemiptera Achilixiidae | 24 | 4 | 8 |  |  | (Capinera 2008) |  |
| Hemiptera Aetalionidae | 42 | 3 | 30 |  |  | (Deitz et al. 2010) |  |
| Hemiptera Aleyrodoidea | 1560 | 1 | 4 |  |  | (Capinera 2008) |  |
| Hemiptera Alydidae | 250 | 8 | 20 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Anthocoridae | 600 | 1.4 | 4.5 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Aphelocheiridae | 400 | 3.5 | 11.5 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Aphidoidea | 4375 | 1 | 8 |  |  | (Capinera 2008) | Includes Phylloxeroidea |
| Hemiptera Aradidae | 2000 | 3 | 11 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Belostomatidae | 150 | 9 | 110 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Berytidae | 100 | 2.5 | 11 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Caliscelidae | 202 | 1 | 5 |  |  | (Capinera 2008) |  |
| Hemiptera Canopidae | 8 | 5 | 7 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Cercopidae | 2410 | 5 | 20 |  |  | (Arnett 2000) | Includes Aphrophoridae, Clastopteridae, Machaerotidae |
| Hemiptera Cicadellidae | 20000 | 1.7 | 28 |  |  | (Evans 1966) |  |
| Hemiptera Cicadidae | 1300 | 10 | 100 |  |  | (Capinera 2008) |  |
| Hemiptera Cimicidae | 100 | 2 | 12 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Cixiidae | 2223 | 3 | 13 |  |  | (Capinera 2008) |  |
| Hemiptera Coccoidea | 8000 | 0.6 | 35 |  |  | (Arnett 2000) |  |
| Hemiptera Colobathristidae | 90 | 6 | 20 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Coreidae | 1900 | 7 | 45 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Corixidae | 600 | 2.5 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Cydnidae | 617 | 2 | 20 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Delphacidae | 2029 | 2 | 10 |  |  | (Capinera 2008) |  |
| Hemiptera Derbidae | 1700 | 4 | 11 |  |  | (Capinera 2008)/ (Arnett 2000) |  |
| Hemiptera Dictyopharidae | 731 | 3 | 33 |  |  | (Capinera 2008) |  |
| Hemiptera Dinidoridae | 90 | 9 | 27 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Dipsocoridae | 30 | 0.8 | 3 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Enicocephalidae | 400 | 2 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Eurybrachyidae | 189 | 7 | 29 |  |  | (Capinera 2008) |  |
| Hemiptera Flatidae | 1446 | 4 | 32 |  |  | (Capinera 2008) |  |
| Hemiptera Fulgoridae | 687 | 4 | 100 |  |  | (Capinera 2008) |  |
| Hemiptera Gelastocoridae | 100 | 7 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Gerridae | 620 | 1.6 | 36 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Hebridae | 150 | 1.3 | 3.7 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Hermatobatidae | 8 | 2.5 | 4 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Hydrometridae | 110 | 2.7 | 22 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Hyocephalidae | 3 | 8 | 15 |  |  | Resh and Carde 2009 |  |
| Hemiptera Idiostolidae | 4 | 5 | 7 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Issidae | 924 | 2 | 19 |  |  | (Capinera 2008) |  |
| Hemiptera Joppeicidae | 1 | 2.5 | 3 |  |  | (Schuh & Slater 1995) | Modified to avoid zero variance |
| Hemiptera Largidae | 120 | 7 | 55 |  |  | (Arnett 2000)/ (Schuh & Slater 1995) |  |
| Hemiptera Leptopodidae | 40 | 1.8 | 7 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Lestoniidae | 2 | 3.5 | 5.6 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Lophopidae | 138 | 5 | 15 |  |  | (Capinera 2008) |  |
| Hemiptera Lyctocoridae | 27 | 2 | 6 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Lygaeidae | 4400 | 1.2 | 12 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Macroveliidae | 3 | 2.5 | 5.6 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Malcidae | 20 | 3 | 4 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Meenoplidae | 158 | 3 | 7 |  |  | (Capinera 2008) |  |
| Hemiptera Membracidae | 3450 | 2 | 24 |  |  | (Deitz et al. 2010) |  |
| Hemiptera Mesoveliidae | 35 | 1.2 | 4.2 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Microphysidae | 30 | 1.5 | 3 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Miridae | 10000 | 2 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Nabidae | 400 | 7 | 11 |  |  | (Arnett 2000) |  |
| Hemiptera Naucoridae | 500 | 5 | 20 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Nepidae | 225 | 15 | 45 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Nogodinidae | 286 | 4 | 17 |  |  | (Capinera 2008) |  |
| Hemiptera Notonectidae | 350 | 5 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Ochteridae | 50 | 4.5 | 9 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Paraphrynoveliidae | 2 | 1.7 | 2.4 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Peloridiidae | 12 | 2 | 5 |  |  | (Resh & Cardé 2009) |  |
| Hemiptera Pentatomidae | 4500 | 4 | 20 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Phloeidae | 3 | 20 | 30 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Piesmatidae | 40 | 2.5 | 5 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Plataspidae | 500 | 2 | 20 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Pleidae | 40 | 1.5 | 3 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Plokiophilidae | 6 | 1.2 | 3 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Psylloidea | 2500 | 1 | 8 |  |  | (Capinera 2008) |  |
| Hemiptera Pyrrhocoridae | 225 | 8 | 30 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Reduviidae | 6700 | 7 | 40 |  |  | (Schuh & Slater 1995) | Includes Phymatidae |
| Hemiptera Rhopalidae | 200 | 4 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Ricaniidae | 417 | 4 | 12 |  |  | (Capinera 2008) |  |
| Hemiptera Saldidae | 265 | 2.3 | 7.4 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Schizopteridae | 120 | 0.8 | 2 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Scutelleridae | 500 | 5 | 20 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Stenocephalidae | 30 | 8 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Termitaphididae | 9 | 2 | 3 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Tessaratomidae | 250 | 15 | 40 |  |  | (Foottit & Adler 2009) |  |
| Hemiptera Tettigometridae | 73 | 3 | 11 |  |  | (Capinera 2008) |  |
| Hemiptera Thaumastocoridae | 19 | 2 | 4.6 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Tingidae | 2000 | 2 | 8 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Tropiduchidae | 575 | 5 | 13 |  |  | (Capinera 2008) |  |
| Hemiptera Veliidae | 720 | 1 | 10 |  |  | (Schuh & Slater 1995) |  |
| Hemiptera Velocipedidae | 31 | 10 | 15 |  |  | (Schuh & Slater 1995) |  |
| Hymenoptera Agaonidae | 757 | 1 | 3 |  |  | (Parker 1982) |  |
| Hymenoptera Ampulicidae | 200 | 5 | 15 |  |  | (Arnett 2000) |  |
| Hymenoptera Anaxyelidae | 1 | 7.5 | 8 |  |  | (Parker 1982) | Modified to avoid zero variance |
| Hymenoptera Andrenidae | 2938 | 4 | 22 |  |  | (Arnett 2000) |  |
| Hymenoptera Aphelinidae | 1168 | 0.35 | 2.5 |  |  | (Parker 1982) |  |
| Hymenoptera Apidae | 5751 | 3.5 | 27 |  |  | (Arnett 2000) |  |
| Hymenoptera Argidae | 800 | 4 | 15 |  |  | (Parker 1982) |  |
| Hymenoptera Aulacidae | 200 | 1 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Bethylidae | 2000 | 1 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Blasticotomidae | 10 | 6 | 10 |  |  | (Parker 1982) |  |
| Hymenoptera Braconidae | 20000 | 2 | 15 |  |  | (Parker 1982) |  |
| Hymenoptera Bradynobaenidae | 200 | 3 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Cephidae | 80 | 5 | 25 |  |  | (Parker 1982) |  |
| Hymenoptera Ceraphronidae | 350 | 0.5 | 5 |  |  | (Parker 1982) |  |
| Hymenoptera Chalcididae | 1464 | 2 | 12 |  |  | (Parker 1982) |  |
| Hymenoptera Chrysididae | 3000 | 2.5 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Cimbicidae | 130 | 18 | 25 |  |  | (Arnett 2000) |  |
| Hymenoptera Colletidae | 2545 | 3.5 | 20 |  |  | (Arnett 2000) |  |
| Hymenoptera Crabronidae | 8774 | 6 | 20 |  |  | (Arnett 2000) |  |
| Hymenoptera Cynipidae | 1000 | 1 | 8 |  |  | (Parker 1982) |  |
| Hymenoptera Diapriidae | 2300 | 3 | 15 |  |  | (Parker 1982) |  |
| Hymenoptera Diprionidae | 90 | 5 | 12 |  |  | (Parker 1982) |  |
| Hymenoptera Encyrtidae | 3735 | 0.5 | 5 |  |  | (Parker 1982) |  |
| Hymenoptera Eucharitidae | 423 | 3 | 10 |  |  | (Parker 1982) |  |
| Hymenoptera Eulophidae | 4472 | 1 | 5 |  |  | (Parker 1982) |  |
| Hymenoptera Eupelmidae | 907 | 1 | 8 |  |  | (Parker 1982) |  |
| Hymenoptera Eurytomidae | 1424 | 3 | 5 |  |  | (Parker 1982) |  |
| Hymenoptera Evaniidae | 500 | 2 | 15 |  |  | (Parker 1982) |  |
| Hymenoptera Figitidae | 1500 | 1.5 | 5 |  |  | (Parker 1982) |  |
| Hymenoptera Formicidae | 10000 | 1 | 33 |  |  | (Arnett 2000)/(Lenhart et al. 2013) | Sizes given based on workers |
| Hymenoptera Gasteruptiidae | 420 | 13 | 40 |  |  | (Arnett 2000) |  |
| Hymenoptera Halictidae | 4338 | 4 | 10 |  |  | (Arnett 2000) |  |
| Hymenoptera Heloridae | 7 | 4 | 7 |  |  | (Parker 1982) |  |
| Hymenoptera Ibaliidae | 50 | 8 | 25 |  |  | (Parker 1982) |  |
| Hymenoptera Ichneumonidae | 22000 | 3 | 40 |  |  | (Parker 1982) |  |
| Hymenoptera Liopteridae | 50 | 4 | 15 |  |  | (Parker 1982) |  |
| Hymenoptera Maamingidae | 2 | 1 | 2 |  |  | (Early et al. 2001) |  |
| Hymenoptera Megachilidae | 4120 | 7 | 39 |  |  | (Arnett 2000)/(Messer 1984) |  |
| Hymenoptera Megalodontesidae | 40 | 5 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Megalyridae | 50 | 4 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Megaspilidae | 450 | 1 | 5 |  |  | (Parker 1982) |  |
| Hymenoptera Melittidae | 191 | 7 | 12 |  |  | (Arnett 2000) |  |
| Hymenoptera Monomachidae | 20 | 7 | 22 |  |  | (Parker 1982) |  |
| Hymenoptera Mutillidae | 5000 | 3 | 30 |  |  | (Parker 1982) |  |
| Hymenoptera Mymaridae | 1424 | 0.2 | 2 |  |  | (Parker 1982) |  |
| Hymenoptera Mymarommatidae | 9 | 0.3 | 0.8 |  |  | (Gibson et al. 2007) |  |
| Hymenoptera Orussidae | 75 | 5 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Pamphiliidae | 250 | 8 | 15 |  |  | (Arnett 2000) |  |
| Hymenoptera Pelecinidae | 3 | 30 | 60 |  |  | (Parker 1982) |  |
| Hymenoptera Pergidae | 500 | 7 | 10 |  |  | (Arnett 2000) |  |
| Hymenoptera Perilampidae | 277 | 1.5 | 7 |  |  | (Parker 1982) |  |
| Hymenoptera Platygastridae | 1100 | 0.5 | 5 |  |  | (Parker 1982) |  |
| Hymenoptera Plumariidae | 20 | 3 | 10 |  |  | (Parker 1982) |  |
| Hymenoptera Pompilidae | 4000 | 3 | 60 |  |  | (Parker 1982) |  |
| Hymenoptera Proctotrupidae | 310 | 6 | 8 |  |  | (Parker 1982) |  |
| Hymenoptera Pteromalidae | 3506 | 1 | 4 |  |  | (Parker 1982) |  |
| Hymenoptera Roproniidae | 18 | 8 | 10 |  |  | (Parker 1982) |  |
| Hymenoptera Rotoitidae | 2 | 0.7 | 0.9 |  |  | (Bouček & Noyes 1987) |  |
| Hymenoptera Sapygidae | 80 | 6 | 22 |  |  | (Parker 1982) |  |
| Hymenoptera Scelionidae | 3000 | 0.5 | 15 |  |  | (Parker 1982) |  |
| Hymenoptera Scolebythidae | 3 | 7 | 10 |  |  | (Cambra & Oliveira 2003) |  |
| Hymenoptera Scoliidae | 300 | 8 | 60 |  |  | (Parker 1982) |  |
| Hymenoptera Siricidae | 95 | 20 | 40 |  |  | (Parker 1982) |  |
| Hymenoptera Sierolomorphidae | 10 | 3.5 | 6 |  |  | (Parker 1982) |  |
| Hymenoptera Sphecidae | 724 | 18 | 55 |  |  | (Arnett 2000) |  |
| Hymenoptera Stenotritidae | 21 | 14 | 20.5 |  |  | (Houston 1983) |  |
| Hymenoptera Stephanidae | 200 | 4 | 40 |  |  | (Parker 1982) |  |
| Hymenoptera Tenthredinidae | 4000 | 3 | 20 |  |  | (Parker 1982) |  |
| Hymenoptera Tetracampidae | 50 | 0.5 | 2 |  |  | (Doganler 2003) |  |
| Hymenoptera Tiphiidae | 1500 | 4 | 30 |  |  | (Parker 1982) |  |
| Hymenoptera Torymidae | 986 | 1 | 15 |  |  | (Parker 1982) |  |
| Hymenoptera Trichogrammatidae | 839 | 0.5 | 1 |  |  | (Parker 1982) |  |
| Hymenoptera Trigonalidae | 100 | 8 | 17 |  |  | (Parker 1982) |  |
| Hymenoptera Vanhorniidae | 5 | 3 | 10 |  |  | (Arnett 2000) |  |
| Hymenoptera Vespidae | 4000 | 8 | 25 |  |  | (Arnett 2000) |  |
| Hymenoptera Xiphydriidae | 100 | 7 | 25 |  |  | (Parker 1982) |  |
| Hymenoptera Xyelidae | 50 | 5 | 15 |  |  | (Parker 1982) |  |
| Isoptera | 2658 | 4 | 20 |  |  | (Robinson 2005) | Sizes given based on winged forms |
| Lepidoptera Acanthopteroctetidae | 5 | 4 | 6 | 11 | 16 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Acrolophidae | 300 | 4 | 28 | 9 | 60 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Adelidae | 294 | 2 | 11 | 4 | 28 | (Arnett 2000) | Data given as wingspan |
| Lepidoptera Agathiphagidae | 2 | 3 | 5 | 9 | 14 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Agonoxenidae | 4 | 2 | 6 | 6 | 15 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Aididae | 6 | 4 | 39 | 10 | 90 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Alucitidae | 216 | 2 | 10 | 7 | 28 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Amphisbatidae | 21 | 7 | 8 | 17 | 19 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Andesianidae | 3 | 10 | 23 | 27 | 61 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Anomoeotidae | 40 | 5 | 8 | 22 | 31 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Anthelidae | 94 | 9 | 68 | 22 | 166 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Apatelodidae | 145 | 10 | 37 | 20 | 74 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Arctiidae | 6000 | 3 | 44 | 8 | 115 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Argyresthiidae | 157 | 2 | 5 | 6 | 15 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Arrhenophanidae | 26 | 5 | 29 | 12 | 69 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Autostichidae | 585 | 4 | 7 | 10 | 20 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Batrachedridae | 99 | 2 | 9 | 7 | 28 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Blastobasidae | 377 | 1 | 11 | 5 | 35 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Bombycidae | 185 | 10 | 33 | 19 | 64 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Brachodidae | 137 | 3 | 17 | 8 | 42 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Brahmaeidae | 44 | 18 | 66 | 50 | 180 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Bucculatricidae | 297 | 2 | 5 | 5 | 16 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Callidulidae | 49 | 8 | 14 | 22 | 38 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Carposinidae | 283 | 3 | 14 | 10 | 40 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Carthaeidae | 1 | 28 | 37 | 75 | 100 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Castniidae | 113 | 10 | 82 | 24 | 190 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Choreutidae | 406 | 3 | 10 | 7 | 24 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Cimeliidae | 6 | 8 | 11 | 22 | 28 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Coleophoridae | 1386 | 2 | 7 | 5 | 24 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Copromorphidae | 43 | 3 | 11 | 12 | 37 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Cosmopterigidae | 1792 | 2 | 11 | 6 | 32 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Cossidae | 971 | 5 | 136 | 9 | 240 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Crinopterygidae | 1 | 2 | 2.5 | 3 | 3.5 | (Kristensen et al. 2007) | Data given as forewing length |
| Lepidoptera Cyclotornidae | 5 | 3 | 10 | 10 | 30 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Dalceridae | 80 | 4 | 18 | 11 | 50 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Douglasiidae | 29 | 2 | 5 | 6 | 15 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Drepanidae | 660 | 6 | 22 | 18 | 66 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Dudgeoneidae | 57 | 11 | 29 | 28 | 72 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Elachistidae | 3197 | 2 | 9 | 5 | 23 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Endromidae | 56 | 11 | 27 | 29 | 74 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Epicopeiidae | 20 | 13 | 38 | 36 | 126 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Epipyropidae | 32 | 1 | 13 | 4 | 35 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Eriocottidae | 80 | 2 | 21 | 5 | 50 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Eriocraniidae | 28 | 2 | 5 | 6 | 13.5 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Eupterotidae | 339 | 8 | 47 | 23 | 140 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Gelechiidae | 4700 | 1 | 12 | 4 | 35 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Geometridae | 23002 | 3 | 42 | 8 | 120 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Glyphidoceridae | 49 | 5 | 7 | 13 | 19 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Glyphipterigidae | 535 | 2 | 14 | 5 | 35 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Gracillariidae | 1864 | 2 | 10 | 4 | 25 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Hedylidae | 36 | 15 | 27 | 35 | 65 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Heliozelidae | 123 | 1 | 3 | 3 | 9 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Hepialidae | 604 | 8 | 104 | 20 | 250 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Hesperiidae | 4113 | 7 | 37 | 16 | 82 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Heterobathmiidae | 3 | 3 | 4 | 10 | 11 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Heterogynidae | 10 | 3 | 9 | 9 | 29 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Himantopteridae | 40 | 5 | 12 | 16 | 42 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Hyblaeidae | 18 | 11 | 22 | 25 | 49 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Immidae | 245 | 5 | 14 | 14 | 42 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Incurvariidae | 50 | 2 | 6 | 7 | 18 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Lacturidae | 120 | 4 | 22 | 11 | 65 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Lasiocampidae | 1952 | 10 | 92 | 19 | 172 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Lecithoceridae | 1200 | 2 | 10 | 5 | 30 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Lemoniidae | 21 | 9 | 28 | 20 | 65 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Limacodidae | 1672 | 4 | 35 | 9 | 80 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Lycaenidae | 5201 | 2 | 33 | 6 | 92 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Lymantriidae | 2500 | 7 | 58 | 16 | 135 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Lyonetiidae | 220 | 2 | 5 | 4 | 12 | (Capinera 2008) | Data given as wingspan, includes Bedelliidae |
| Lepidoptera Megalopygidae | 232 | 5 | 44 | 10 | 90 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Micropterigidae | 154 | 1 | 3 | 5 | 12 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Mimallonidae | 194 | 10 | 28 | 22 | 60 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Mnesarchaeidae | 7 | 2 | 4 | 5 | 10 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Momphidae | 115 | 2 | 5 | 8 | 18 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Neopseustidae | 14 | 3 | 6 | 14 | 27 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Nepticulidae | 806 | 1 | 2 | 2.5 | 8 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Noctuidae | 30579 | 3 | 154 | 7 | 360 | (Arnett 2000)/(Ohl & Thiele 2007) | Data given as wingspan |
| Lepidoptera Notodontidae | 3800 | 9 | 57 | 20 | 124 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Nymphalidae | 6131 | 6 | 56 | 20 | 180 | (Arnett 2000)/(Hogue 1993) | Data given as wingspan |
| Lepidoptera Oecophoridae | 3304 | 2 | 30 | 5 | 80 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Opostegidae | 192 | 1 | 6 | 3 | 16 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Palaephatidae | 57 | 3 | 11 | 8 | 36 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Papilionidae | 566 | 10 | 83 | 35 | 285 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Pieridae | 1164 | 7 | 31 | 23 | 100 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Plutellidae | 150 | 2 | 17 | 7 | 55 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Prodoxidae | 98 | 2 | 11 | 5 | 33 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Prototheoridae | 12 | 2 | 15 | 6 | 40 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Psychidae | 1324 | 2 | 37 | 4 | 60 | (Arnett 2000) | Data given as wingspan |
| Lepidoptera Pterolonchidae | 8 | 11 | 12 | 24 | 27 | (Arnett 2000) | Data given as wingspan |
| Lepidoptera Pterophoridae | 1318 | 2 | 15 | 6 | 40 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Pyralidae | 5921 | 4 | 67 | 5 | 75 | (Resh & Cardé 2009) | Data given as Forewing length, includes Crambidae |
| Lepidoptera Riodinidae | 1532 | 8 | 13 | 20 | 35 | (Arnett 2000) | Data given as wingspan |
| Lepidoptera Roeslerstammiidae | 53 | 4 | 8 | 11 | 22 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Saturniidae | 2349 | 12 | 117 | 30 | 300 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Sematuridae | 40 | 19 | 44 | 42 | 100 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Sesiidae | 1397 | 5 | 34 | 5 | 28 | (Resh & Cardé 2009) | Data given as Forewing length |
| Lepidoptera Somabrachyidae | 8 | 7 | 8 | 18 | 22 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Sphingidae | 1461 | 11 | 94 | 23 | 200 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Thyrididae | 940 | 4 | 42 | 9 | 90 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Tineidae | 2093 | 2 | 21 | 5 | 54 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Tineodidae | 19 | 7 | 16 | 15 | 34 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Tischeriidae | 110 | 2 | 3 | 6 | 11 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Tortricidae | 10387 | 3 | 24 | 7 | 60 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Uraniidae | 686 | 10 | 50 | 31 | 160 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Urodidae | 66 | 4 | 14 | 10 | 37 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Xyloryctidae | 524 | 5 | 29 | 12 | 75 | (Pohl et al. 2010)/(Zborowski & Edwards 2007) | Data given as wingspan |
| Lepidoptera Yponomeutidae | 363 | 2 | 11 | 3.2 | 15 | (Resh & Cardé 2009) | Data given as Forewing length |
| Lepidoptera Ypsolophidae | 163 | 3 | 6 | 9 | 17 | (Capinera 2008) | Data given as wingspan |
| Lepidoptera Zygaenidae | 1036 | 4 | 40 | 5 | 50 | (Resh & Cardé 2009) | Data given as Forewing length |
| Mantodea | 2163 | 10 | 170 |  |  | (Prete 1999) | Represents Order |
| Mantophasmatodea | 16 | 10 | 30 |  |  | (Buder & Klass 2013) |  |
| Mecoptera Apteropanorpidae | 1 | 5.5 | 11 |  |  | (Palmer & Siebke 2008) |  |
| Mecoptera Bittacidae | 214 | 14 | 34 |  |  | (Parker 1982) |  |
| Mecoptera Boreidae | 38 | 2 | 7.5 |  |  | (Parker 1982) |  |
| Mecoptera Choristidae | 12 | 11 | 14 | 13 | 17 | (Riek 1973) | Data as forewing length |
| Mecoptera Meropeidae | 2 | 10 | 12 |  |  | (Arnett 2000) |  |
| Mecoptera Nannochoristidae | 9 | 5 | 9 | 6 | 12 | (Byers 1989) | Data given as wingspan |
| Mecoptera Panorpidae | 480 | 9 | 25 |  |  | (Arnett 2000) |  |
| Mecoptera Panorpodidae | 19 | 7 | 17 |  |  | (Byers 1990) |  |
| Megaloptera Corydalidae | 200 | 20 | 80 |  |  | (Arnett 2000) |  |
| Megaloptera Sialidae | 70 | 13 | 18 |  |  | (Arnett 2000) |  |
| Neuroptera Ascalaphidae | 430 | 40 | 80 |  |  | (Arnett 2000) |  |
| Neuroptera Berothidae | 115 | 6 | 15 | 6 | 15 | (Resh & Cardé 2009) | Data given as Forewing length |
| Neuroptera Chrysopidae | 1200 | 10 | 25 |  |  | (Arnett 2000) |  |
| Neuroptera Coniopterygidae | 450 | 2 | 3 |  |  | (Arnett 2000) |  |
| Neuroptera Hemerobiidae | 550 | 6 | 12 |  |  | (Arnett 2000) |  |
| Neuroptera Ithonidae | 53 | 21 | 40 |  |  | (Arnett 2000) |  |
| Neuroptera Mantispidae | 400 | 20 | 35 |  |  | (Arnett 2000) |  |
| Neuroptera Myrmeleontidae | 2100 | 40 | 80 |  |  | (Arnett 2000) |  |
| Neuroptera Nemopteridae | 100 | 15 | 35 | 15 | 35 | (Resh & Cardé 2009) | Data given as Forewing length |
| Neuroptera Nevrorthidae | 12 | 6 | 10 | 6 | 10 | (Resh & Cardé 2009) | Data given as Forewing length |
| Neuroptera Nymphidae | 35 | 18 | 40 | 18 | 40 | (Resh & Cardé 2009) | Data given as Forewing length |
| Neuroptera Osmylidae | 160 | 15 | 30 | 15 | 30 | (Resh & Cardé 2009) | Data given as Forewing length |
| Neuroptera Polystoechotidae | 4 | 35 | 75 |  |  | (Arnett 2000) |  |
| Neuroptera Psychopsidae | 26 | 10 | 35 | 10 | 35 | (Resh & Cardé 2009) | Data given as Forewing length |
| Neuroptera Sisyridae | 50 | 6 | 8 |  |  | (Arnett 2000) |  |
| Odonata Aeshnidae | 428 | 50 | 100 |  |  | (Garrison et al. 2006) | Data given as wingspan |
| Odonata Austropetaliidae | 11 | 57 | 86 |  |  | (Garrison et al. 2006) |  |
| Odonata Chlorogomphidae | 45 | 60 | 78 |  |  | (Wilson undated) |  |
| Odonata Cordulegastridae | 51 | 55 | 88 |  |  | (Garrison et al. 2006) |  |
| Odonata Corduliidae | 285 | 28 | 68 |  |  | (Garrison et al. 2006) | As subfamily of Libellulidae, Includes Synthemistidae |
| Odonata Gomphidae | 945 | 25.5 | 90 |  |  | (Garrison et al. 2006) |  |
| Odonata Libellulidae | 970 | 17 | 63 |  |  | (Garrison et al. 2006) |  |
| Odonata Macromiidae | 123 | 56 | 91 |  |  | (Garrison et al. 2006) | As subfamily of Libellulidae |
| Odonata Neopetaliidae | 1 | 57 | 58 |  |  | (Garrison et al. 2006) |  |
| Odonata Petaluridae | 11 | 54 | 88 |  |  | (Garrison et al. 2006) |  |
| Odonata Epiophlebiidae | 2 | 48 | 60 |  |  | (Fleck et al. 2013) |  |
| Odonata Calopterygidae | 172 | 45 | 60 |  |  | (Esquivel 1997) |  |
| Odonata Chlorocyphidae | 143 | 26 | 30 |  |  | (Serrano-Meneses et al. 2008) |  |
| Odonata Chorismagrionidae | 1 | 38 | 40 |  |  | (Morton. 1914) |  |
| Odonata Coenagrionidae | 1104 | 16 | 60 |  |  | (Silsby 2001)/(Howarth & Mull 1992) |  |
| Odonata Diphlebiidae | 9 | 45 | 55 |  |  | (Stewart 1980) |  |
| Odonata Euphaeidae | 68 | 26 | 38 |  |  | (Hayashi 1990) |  |
| Odonata Hemiphlebiidae | 1 | 23 | 25 |  |  | (Rivera 2014) |  |
| Odonata Isostictidae | 45 | 15 | 40 |  |  | (Watson 1974) |  |
| Odonata Lestidae | 150 | 40 | 75 |  |  | (Esquivel 1997) |  |
| Odonata Megapodagrionidae | 285 | 40 | 75 |  |  | (Esquivel 1997) |  |
| Odonata Perilestidae | 19 | 50 | 55 |  |  | (Esquivel 1997) |  |
| Odonata Platycnemididae | 222 | 40 | 50 |  |  | (Silsby 2001) |  |
| Odonata Platystictidae | 189 | 40 | 50 |  |  | (Esquivel 1997) |  |
| Odonata Polythoridae | 58 | 30 | 40 |  |  | (Esquivel 1997) |  |
| Odonata Protoneuridae | 240 | 30 | 35 |  |  | (Esquivel 1997) |  |
| Odonata Pseudolestidae | NA | NA | NA |  |  |  |  |
| Odonata Pseudostigmatidae | 19 | 80 | 120 |  |  | (Esquivel 1997) |  |
| Odonata Synlestidae | 33 | 35 | 60 | 50 | 85 | (Picker et al. 2004) | Data given as wingspan |
| Orthoptera Acrididae | 6016 | 9 | 120 |  |  | (Parker 1982) |  |
| Orthoptera Cylindrachetidae | 16 | 35 | 75 |  |  | (Günther 1992)/(Bailey 2007) |  |
| Orthoptera Eumastacoidae | 645 | 10 | 45 |  |  | (Arnett 2000) | Includes Euschmidtiidae, Episactidae, Chorotypidae and Thericleidae |
| Orthoptera Lentulidae | 35 | 12 | 25 |  |  | (Parker 1982) |  |
| Orthoptera Pamphagidae | 448 | 30 | 90 |  |  | (Parker 1982) |  |
| Orthoptera Pneumoridae | 17 | 11.5 | 100 |  |  | (Parker 1982) |  |
| Orthoptera Proscopiidae | 214 | 25 | 165 |  |  | (Parker 1982) |  |
| Orthoptera Pyrgomorphidae | 455 | 10 | 90 |  |  | (Parker 1982) |  |
| Orthoptera Romaleidae | 465 | 18 | 80 |  |  | (Arnett 2000) |  |
| Orthoptera Tanaoceridae | 3 | 10.3 | 25 |  |  | (Parker 1982) |  |
| Orthoptera Tetrigidae | 1246 | 6 | 16 |  |  | (Arnett 2000) |  |
| Orthoptera Tridactylidae | 201 | 4 | 15 |  |  | (Naskrecki 2001) | Includes Rhipipterygidae |
| Orthoptera Trigonopterygidae | 16 | 29 | 40 |  |  | (Ng et al. 2011) |  |
| Orthoptera Xyronotidae | 4 | 17 | 30 |  |  | (Parker 1982) |  |
| Orthoptera Anostostomatidae | 206 | 20 | 80 |  |  | (Pratt et al. 2008) |  |
| Orthoptera Gryllacrididae | 675 | 7 | 50 |  |  | (Arnett 2000) |  |
| Orthoptera Gryllidae | 4664 | 4 | 50 |  |  | (Otte & Alexander 1983) |  |
| Orthoptera Gryllotalpidae | 100 | 20 | 40 |  |  | (Arnett 2000) |  |
| Orthoptera Myrmecophilidae | 8 | 2 | 4 |  |  | (Arnett 2000) |  |
| Orthoptera Prophalangopsidae | 71 | 17 | 30 |  |  | (Walker 2013) |  |
| Orthoptera Rhaphidophoridae | 497 | 10 | 30 |  |  | (Richards 1968)/(Richards 1959) |  |
| Orthoptera Stenopelmatidae | 28 | 30 | 50 |  |  | (Arnett 2000) |  |
| Orthoptera Tettigoniidae | 6827 | 5 | 90 |  |  | (Rentz 2010) |  |
| Phasmatodea Agathemeridae | 8 | 40 | 70 |  |  | (Zompro 2004) |  |
| Phasmatodea Aschiphasmatidae | 96 | 20 | 60 |  |  | (Ng et al. 2011) |  |
| Phasmatodea Bacillidae | 54 | 40 | 110 |  |  | (Scali et al. 2012) /(Picker et al. 2004) |  |
| Phasmatodea Diapheromeridae | 1210 | 17.5 | 140 |  |  | (Zompro 1999)/ (Brock & Hasenpusch 2009) |  |
| Phasmatodea Heteropterygidae | 103 | 20 | 150 |  |  | (Ng et al. 2011) |  |
| Phasmatodea Phasmatidae | 991 | 50 | 357 |  |  | (Ng et al. 2011)/ (Hennemann & Conle 2008) |  |
| Phasmatodea Phylliidae | 51 | 24 | 90 |  |  | (Zompro 2001)/(Ng et al. 2011) |  |
| Phasmatodea Pseudophasmatoidea | 406 | 17.5 | 250 |  |  | (Zompro 1998)/(Picker et al. 2004) | Includes Heteronemiidae |
| Phasmatodea Timematidae | 21 | 12 | 25 |  |  | (Arnett 2000) |  |
| Phthiraptera Boopidae | 55 | 1.3 | 3.14 |  |  | (Parker 1982) |  |
| Phthiraptera Gyropidae | 93 | 0.8 | 1 |  |  | (Parker 1982) |  |
| Phthiraptera Haematomyzidae | 3 | 1.9 | 3 |  |  | (Parker 1982) |  |
| Phthiraptera Heptapsogasteridae | 130 | 0.81 | 4.44 |  |  | (Parker 1982) |  |
| Phthiraptera Laemobothriidae | 20 | 6.5 | 11 |  |  | (Parker 1982) |  |
| Phthiraptera Menoponidae | 1039 | 1.1 | 6 |  |  | (Parker 1982) |  |
| Phthiraptera Philopteridae | 2698 | 1.12 | 9.72 |  |  | (Parker 1982) |  |
| Phthiraptera Ricinidae | 109 | 1.6 | 5.5 |  |  | (Parker 1982) |  |
| Phthiraptera Trichodectidae | 362 | 0.92 | 2.73 |  |  | (Parker 1982) |  |
| Phthiraptera Anoplura | 446 | 0.5 | 5 |  |  | (Arnett 2000) | includes, Echinophthiriidae, Hoplopleuridae, Linognathidae, Pedicinidae, Pediculidae, Pthiridae and Polyplacidae |
| Plecoptera Austroperlidae | 15 | 10 | 35 |  |  | (Parker 1982) |  |
| Plecoptera Capniidae | 287 | 3 | 25 |  |  | (Parker 1982) |  |
| Plecoptera Chloroperlidae | 187 | 6 | 40 |  |  | (Parker 1982) |  |
| Plecoptera Diamphipnoidae | 6 | 25 | 45 |  |  | (Parker 1982) |  |
| Plecoptera Eustheniidae | 23 | 15 | 35 |  |  | (Parker 1982) |  |
| Plecoptera Gripopterygidae | 270 | 5 | 25 |  |  | (Michaelis et al. 2011) |  |
| Plecoptera Leuctridae | 360 | 6 | 13 |  |  | (Arnett 2000) |  |
| Plecoptera Nemouridae | 674 | 6 | 15 |  |  | (Arnett 2000) |  |
| Plecoptera Notonemouridae | 118 | 5 | 8 |  |  | (Picker et al. 2004) |  |
| Plecoptera Peltoperlidae | 69 | 34 | 49 |  |  | (Arnett 2000) |  |
| Plecoptera Perlidae | 965 | 10 | 50 |  |  | (Parker 1982) |  |
| Plecoptera Perlodidae | 310 | 8 | 50 |  |  | (Parker 1982) |  |
| Plecoptera Pteronarcyidae | 12 | 38 | 63 |  |  | (Arnett 2000) |  |
| Plecoptera Scopuridae | 8 | 16 | 25 |  |  | (Jin & Bae 2005) |  |
| Plecoptera Taeniopterygidae | 103 | 10 | 25 |  |  | (Arnett 2000) |  |
| Protura | 712 | 0.6 | 2.5 |  |  | (Arnett 2000) |  |
| Psocoptera Amphientomidae | 100 | 2.3 | 5 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Amphipsocidae | 180 | 2.8 | 5.5 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Archipsocidae | 81 | 1.2 | 1.8 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Caeciliusidae | 566 | 2.5 | 4.5 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Calopsocidae | 34 | 4.3 | 7 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Ectopsocidae | 177 | 2 | 2.5 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Elipsocidae | 129 | 2 | 2.6 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Epipsocidae | 138 | 2.5 | 5.7 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Hemipsocidae | 24 | 2.5 | 2.8 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Lachesillidae | 271 | 1.8 | 2.2 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Lepidopsocidae | 206 | 2 | 2.5 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Liposcelididae | 181 | 1 | 1.5 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Mesopsocidae | 75 | 3.8 | 4.2 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Myopsocidae | 159 | 3 | 5 |  |  | (Arnett 2000) |  |
| Psocoptera Pachytroctidae | 87 | 1.4 | 1.8 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Peripsocidae | 235 | 2 | 4 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Philotarsidae | 111 | 2.2 | 3.8 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Prionoglarididae | 7 | 3 | 3.4 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Pseudocaeciliidae | 899 | 2.5 | 8 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Psilopsocidae | 300 | 1.9 | 3.2 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Psocidae | 7 | 3.2 | 5.4 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Psoquillidae | 27 | 1.1 | 2 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Psyllipsocidae | 26 | 1.3 | 2 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Stenopsocidae | 95 | 3.5 | 4.5 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Trichopsocidae | 11 | 2 | 2.5 |  |  | (Arnett 2000) |  |
| Psocoptera Troctopsocidae | 22 | 1.4 | 4.1 |  |  | (New & Lienhard 2007) |  |
| Psocoptera Trogiidae | 52 | 1.6 | 2.5 |  |  | (New & Lienhard 2007) |  |
| Raphidioptera | 225 | 5 | 20 | 5 | 20 | (Resh & Cardé 2009) | Data as Forewing length |
| Siphonaptera | 2078 | 1 | 10 |  |  | (Whiting et al. 2008) | Represents “Order” |
| Strepsiptera | 590 | 1 | 7.5 |  |  | (Parker 1982) |  |
| Thysanoptera Aeolothripidae | 201 | 1.4 | 2.6 |  |  | (Treherne 1919) |  |
| Thysanoptera Heterothripidae | 76 | 0.6 | 1.5 |  |  | (Retana-Salazar 2009) |  |
| Thysanoptera Phlaeothripidae | 3532 | 2 | 14 |  |  | (Lewis 1973) |  |
| Thysanoptera Thripidae | 2066 | 1 | 3 |  |  | (Arnett 2000) |  |
| Trichoptera Anomalopsychidae | 27 | 4 | 8 |  |  | (Holzenthal & Flint Jr 1995) |  |
| Trichoptera Apataniidae | 203 | 4 | 13 | 8 | 15 | (Ivanov & Menshutkina 1996) | Data as Forewing length |
| Trichoptera Atriplectididae | 6 | 7 | 10 | 20 | 28 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Beraeidae | 57 | 4 | 5 |  |  | (Arnett 2000) |  |
| Trichoptera Brachycentridae | 111 | 6 | 11 |  |  | (Arnett 2000) |  |
| Trichoptera Calamoceratidae | 182 | 6 | 10 | 15 | 26 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Calocidae | 23 | 2 | 10 | 5 | 25 | (Arnett 2000) /(Neboiss 1986) | Data as wingspan |
| Trichoptera Chathamiidae | 5 | 6 | 9 | 15 | 22 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Conoesucidae | 43 | 4 | 10 | 10 | 25 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Dipseudopsidae | 114 | 4 | 14 | 4 | 16 | (Olah & Johanson 2010) | Data as forewing length |
| Trichoptera Ecnomidae | 469 | 2 | 7 | 6 | 18 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Glossosomatidae | 682 | 3 | 10 | 8 | 12 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Goeridae | 184 | 4 | 10 | 5 | 12 | (Parker 1998)/(Greenhalgh & Ovenden 2004) | Data as forewing length |
| Trichoptera Helicophidae | 44 | 3 | 6 | 8 | 15 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Helicopsychidae | 269 | 4 | 6 | 10 | 16 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Hydrobiosidae | 407 | 4 | 13 | 10 | 35 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Hydropsychidae | 1808 | 3 | 21 | 8 | 56 | (Neboiss 1986) /(Picker et al. 2004) | Data as wingspan |
| Trichoptera Hydroptilidae | 2124 | 1.5 | 4 | 4 | 12 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Kokiriidae | 15 | 5 | 9 | 14 | 24 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Lepidostomatidae | 471 | 8 | 10 |  |  | (Arnett 2000) |  |
| Trichoptera Leptoceridae | 2020 | 4 | 15 | 10 | 40 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Limnephilidae | 880 | 7 | 23 | 25 | 40 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Limnocentropodidae | 15 | 10 | 12 | 27 | 33 | (Wiggins 1956) | Synonym Kitagamiidae, Data as wingspan |
| Trichoptera Molannidae | 41 | 10 | 17 |  |  | (Arnett 2000) |  |
| Trichoptera Odontoceridae | 154 | 5 | 14 | 14 | - | (Neboiss 1986)/(Arnett 2000) | Minimum as wingspan/ body length |
| Trichoptera Oeconesidae | 18 | 12 | 16 | 30 | 40 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Philopotamidae | 1168 | 6 | 9 | 12 | 20 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Philorheithridae | 30 | 6 | 13 | 16 | 35 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Phryganeidae | 84 | 12 | 28 | 18 | 43 | (Wiggins 1998) | Data as forewing length |
| Trichoptera Pisuliidae | 19 | 6 | 19 | - | 40 | (Morse 1974)/ (Picker et al. 2004) | Maximum as wingspan |
| Trichoptera Polycentropodidae | 806 | 5 | 10 | 8 | 25 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Psychomyiidae | 522 | 4 | 6 |  |  | (Arnett 2000) |  |
| Trichoptera Rhyacophilidae | 774 | 8 | 13 |  |  | (Arnett 2000) |  |
| Trichoptera Sericostomatidae | 107 | 8 | 14 | 20 | 35 | (Picker et al. 2004) | Data as wingspan |
| Trichoptera Stenopsychidae | 94 | 6 | 12 | 18 | 35 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Tasimiidae | 9 | 4 | 6 | 12 | 18 | (Neboiss 1986) | Data as wingspan |
| Trichoptera Uenoidae | 31 | 7 | 9 | 8 | 10 | (Houghton 2012) | Data given as forewing length |
| Trichoptera Xiphocentronidae | 172 | 3 | 4 | 3 | 4 | (Munoz-Quesada & Holzenthal 1997) | Data given as forewing length |
| Zoraptera | 35 | 2 | 3 |  |  | (Parker 1982) |  |
| Zygentoma Lepidotrichidae | 1 | 12 | 14 |  |  | (Arnett 2000)/(Resh & Cardé 2009) |  |
| Zygentoma Lepismatidae | 200 | 8 | 20 |  |  | (Arnett 2000) |  |
| Zygentoma Nicoletiidae | 30 | 4 | 29 |  |  | (Arnett 2000)/(Espinasa et al. 2013) |  |

Table S2. Outputs of Macrocaic analysis of relationship between PIC of diversification rate (measured as PDI) and mean log size for major clades. See text for discussion.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Taxa | N (Contrasts) | Estimate | (Adj) R2 | SE | t | p |
| Hexapoda | 773 | 0.4589 | 0.002572 | 0.2652 | 1.73 | 0.084 |
| Holometabola | 507 | 0.5020 | 0.003065 | 0.3138 | 1.6 | 0.11 |
| Paraneoptera | 126 | 1.231 | 0.01155 | 0.783 | 1.573 | 0.118 |
| Polyneoptera | 64 | 0.6955 | -0.007437 | 0.9576 | 0.726 | 0.47 |
| Palaeoptera | 57 | -1.524 | 0.01207 | 1.170 | -1.303 | 0.198 |
| Ectognatha | 11 | 0.9674 | -0.07041 | 1.8400 | 0.526 | 0.611 |

Table S3. Parameter estimates and relative likelihoods of alternative models of mean body size for major orders of Holometabola (including terminal standard error). Models and parameters denoted as in Table 3.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Clade | Model | Sigma squared | z0 | a/delta/alpha | LnLik | k | AICc | Delta AiCc from optimal model | Akaike weights |
| Hymenoptera | **BM** | **0.003168** | **2.091** |  | **-86.87** | **2** | **177.9** | **0** | **0.4210** |
|  | EB | 0.003952 | 2.105 | -0.001230 | -86.81 | 3 | 179.9 | 2.043 | 0.1516 |
|  | delta | 0.003159 | 2.090 | 1.006 | -86.87 | 3 | 180.1 | 2.166 | 0.1425 |
|  | SSP | 0.003168 | 2.091 | 0.000 | -86.87 | 3 | 180.1 | 2.167 | 0.1425 |
|  | lambda | 0.003168 | 2.091 | 1 | -86.87 | 3 | 180.1 | 2.167 | 0.1425 |
|  | WN | 0.8712 | 1.784 |  | -104.1 | 2 | 212.3 | 34.39 | 0.0000 |
|  |  |  |  |  |  |  |  |  |  |
| Diptera | BM | 0.003120 | 1.635 |  | -114.8 | 2 | 233.7 | 16.94 | 0.00014 |
|  | EB | 0.003121 | 1.635 | -1e-06\* | -114.8 | 3 | 235.8 | 19.04 | 0.00005 |
|  | delta | 0.001396 | 1.539 | 4.392 | -106.8 | 3 | 219.9 | 3.117 | 0.1357 |
|  | SSP | 0.006735 | 1.550 | 0.007896 | -106.4 | 3 | 219.0 | 2.195 | 0.2152 |
|  | **lambda** | **0.001695** | **1.611** | **0.6648** | **-105.3** | **3** | **216.7** | **0** | **0.6449** |
|  | WN | 0.3991 | 1.513 |  | -111.4 | 2 | 227.0 | 10.21 | 0.0039 |
|  |  |  |  |  |  |  |  |  |  |
| Coleoptera | **BM** | **0.002685** | **1.424** |  | **-153.6** | **2** | **311.3** | **0.5992** | **0.2071** |
|  | EB | 0.002686 | 1.424 | -1e-06\* | -153.6 | 3 | 313.4 | 2.689 | 0.0729 |
|  | delta | 0.002091 | 1.494 | 1.656 | -152.34 | 3 | 310.9 | 0.1922 | 0.2538 |
|  | SSP | 0.003932 | 1.467 | 0.002282 | -152.3 | 3 | 310.7 | **0** | 0.2794 |
|  | lambda | 0.00228 | 1.436 | 0.8274 | -152.7 |  | 311.5 | 0.8054 | 0.1868 |
|  | WN | 0.5859 | 1.625 |  | -162.6 | 2 | 329.2 | 18.47 | 0.00003 |
|  |  |  |  |  |  |  |  |  |  |
| Lepidoptera | **BM** | **0.002756** | **1.368** |  | **-95.14** | **2** | **194.4** | **1.661** | **0.1996** |
|  | EB | 0.002756 | 1.368 | -1e-06\* | -95.14 | 3 | 196.5 | 3.778 | 0.0692 |
|  | delta | 0.002012 | 1.488 | 1.618 | -94.46 | 3 | 195.2 | 2.415 | 0.1369 |
|  | SSP | 0.003441 | 1.444 | 0.001989 | -94.47 | 3 | 195.2 | 2.420 | 0.1365 |
|  | lambda | 0.002197 | 1.393 | 0.88127 | -93.26 | 3 | 192.7 | 0 | 0.4578 |
|  | WN | 0.5985 | 2.106 |  | -125.7 | 2 | 255.4 | 62.68 | 0.0000 |

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**Size data**

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