**Table S3**

Traits used for functional analyses.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Diet | Rhythm | Lifeform | BW | HB | TL | HF | EL | HB |
| *Anourosorex squamipes* | Carnivore | Both | Fossorial | 16.28 | 92.63 | 14.87 | 12.98 | 0.00 | 0.16 |
| *Apodemus chevrieri* | Herbivore | Diurnal | Terrestrial | 26.61 | 100.80 | 86.13 | 21.17 | 15.77 | 0.86 |
| *Apodemus ilex* | Omnivore | Diurnal | Terrestrial | 20.21 | 93.23 | 96.22 | 22.14 | 17.72 | 1.07 |
| *Apodemus latronum* | Omnivore | Diurnal | Terrestrial | 27.80 | 102.62 | 102.67 | 23.87 | 21.82 | 1.06 |
| *Blarinella griselda* | Omnivore | Both | Semi-fossorial | 8.50 | 76.50 | 36.00 | 11.25 | 5.00 | 0.47 |
| *Blarinella wardi* | Omnivore | Both | Semi-fossorial | 6.47 | 68.63 | 39.29 | 11.15 | 4.86 | 0.57 |
| *Chimarrogale styani* | Carnivore | Both | Semi-aquatic | 15.80 | 92.00 | 80.00 | 20.00 | 4.00 | 0.87 |
| *Chodsigoa furva* | Omnivore | Both | Terrestrial | 5.60 | 69.00 | 84.00 | 16.00 | 8.00 | 1.22 |
| *Chodsigoa hypsibia* | Omnivore | Both | Terrestrial | 9.00 | 78.00 | 70.00 | 14.00 | 9.00 | 0.90 |
| *Crocidura vorax* | Carnivore | Both | Terrestrial | 7.23 | 68.33 | 42.67 | 11.67 | 8.33 | 0.63 |
| *Dremomys lokriah* | Omnivore | Diurnal | Arboreal | 186.50 | 189.00 | 110.00 | 42.00 | 23.00 | 0.58 |
| *Dremomys pernyi* | Omnivore | Diurnal | Arboreal | 170.20 | 194.09 | 145.61 | 44.39 | 25.43 | 0.75 |
| *Eothenomys cachinus* | Omnivore | Both | Semi-fossorial | 27.03 | 111.66 | 56.69 | 18.96 | 14.61 | 0.51 |
| *Eothenomys custos* | Omnivore | Both | Semi-fossorial | 22.89 | 102.44 | 45.42 | 17.03 | 13.63 | 0.45 |
| *Eothenomys miletus* | Omnivore | Both | Semi-fossorial | 25.87 | 106.10 | 40.15 | 16.58 | 13.25 | 0.38 |
| *Eothenomys olitor* | Omnivore | Both | Semi-fossorial | 14.02 | 90.49 | 24.94 | 12.95 | 8.20 | 0.28 |
| *Episoriculus caudatus* | Carnivore | Both | Terrestrial | 5.72 | 62.67 | 57.67 | 12.56 | 7.78 | 0.92 |
| *Episoriculus leucops* | Carnivore | Both | Terrestrial | 8.20 | 69.65 | 71.79 | 14.65 | 8.57 | 1.03 |
| *Episoriculus macrurus* | Carnivore | Both | Terrestrial | 5.86 | 61.52 | 90.63 | 15.14 | 9.24 | 1.48 |
| *Micromys erythrotis* | Omnivore | Both | Terrestrial | 6.09 | 63.43 | 64.14 | 14.29 | 10.14 | 1.01 |
| *Neodon clarkei* | Herbivore | Both | Semi-fossorial | 32.07 | 114.10 | 60.84 | 20.24 | 15.49 | 0.54 |
| *Neodon forresti* | Herbivore | Both | Semi-fossorial | 30.28 | 112.27 | 37.44 | 18.56 | 14.65 | 0.33 |
| *Neodon irene* | Herbivore | Both | Semi-fossorial | 25.47 | 103.65 | 32.32 | 17.24 | 13.83 | 0.31 |
| *Neodon sp* | Herbivore | Both | Semi-fossorial | 28.76 | 107.47 | 39.06 | 19.09 | 15.42 | 0.36 |
| *Niviventer andersoni* | Omnivore | Nocturnal | Terrestrial | 109.72 | 172.79 | 234.86 | 34.02 | 28.67 | 1.36 |
| *Niviventer confucianus* | Omnivore | Nocturnal | Terrestrial | 48.94 | 129.00 | 152.71 | 26.57 | 23.71 | 1.18 |
| *Niviventer eha* | Omnivore | Nocturnal | Terrestrial | 39.01 | 116.76 | 181.59 | 27.54 | 21.59 | 1.64 |
| *Niviventer excelsior* | Omnivore | Nocturnal | Terrestrial | 74.26 | 149.77 | 191.93 | 30.53 | 26.97 | 1.28 |
| *Ochotona forresti* | Herbivore | Diurnal | Terrestrial | 91.20 | 167.70 | 0.00 | 27.47 | 26.27 | 0.00 |
| *Ochotona macrotis* | Herbivore | Diurnal | Terrestrial | 148.73 | 269.13 | 0.00 | 31.13 | 30.25 | 0.00 |
| *Ochotona thibetana* | Herbivore | Diurnal | Terrestrial | 71.69 | 158.99 | 0.00 | 26.15 | 23.89 | 0.00 |
| *Parascaptor leucura* | Carnivore | Both | Fossorial | 38.00 | 103.00 | 15.50 | 14.25 | 0.00 | 0.15 |
| *Scaptonyx fusicaudus* | Carnivore | Nocturnal | Fossorial | 13.72 | 83.69 | 34.99 | 13.63 | 0.00 | 0.42 |
| *Scaptonyx sp* | Carnivore | Nocturnal | Fossorial | 13.65 | 81.33 | 47.50 | 14.42 | 0.00 | 0.58 |
| *Sicista concolor* | Herbivore | Nocturnal | Terrestrial | 10.70 | 76.00 | 131.00 | 19.00 | 15.00 | 1.72 |
| *Sorex bedfordiae* | Carnivore | Both | Terrestrial | 5.48 | 63.57 | 55.88 | 12.20 | 6.36 | 0.90 |
| *Sorex cansulus* | Carnivore | Both | Terrestrial | 7.96 | 72.05 | 47.71 | 13.10 | 8.00 | 0.67 |
| *Sorex cylindricauda* | Carnivore | Both | Terrestrial | 8.31 | 72.31 | 53.46 | 13.04 | 7.63 | 0.74 |
| *Sorex excelsus* | Carnivore | Both | Terrestrial | 5.52 | 65.69 | 52.44 | 12.50 | 6.69 | 0.80 |
| *Sorex thibetanus* | Carnivore | Both | Terrestrial | 3.18 | 54.54 | 38.11 | 10.13 | 4.93 | 0.71 |
| *Tamiops swinhoei* | Omnivore | Diurnal | Arboreal | 79.00 | 142.19 | 108.00 | 32.06 | 16.44 | 0.76 |
| *Uropsilus investigator* | Carnivore | Nocturnal | Terrestrial | 10.52 | 75.75 | 69.80 | 14.73 | 10.13 | 0.92 |
| *Uropsilus nivatus* | Carnivore | Nocturnal | Terrestrial | 9.49 | 71.65 | 70.13 | 14.62 | 9.71 | 0.98 |
| *Vernaya fulva* | Omnivore | Nocturnal | Arboreal | 10.90 | 72.00 | 130.50 | 17.50 | 16.00 | 1.81 |