Table S2: Australian marsupial basal metabolic rate (BMR) and body mass (g).

|  |  |  |  |
| --- | --- | --- | --- |
| **Genus species** | **BMR****(kJ d-1)** | **Body mass** **(g)** | **Reference** |
| *Acrobates pygmaeus* | 7.5 | 14.0 | [[1](#_ENREF_1),[2](#_ENREF_2)] |
| *Aepyprimnus rufescens* | 540 | 2820 | [[1](#_ENREF_1)] |
| *Antechinomys laniger* | 12.7 | 25.8 | [[1](#_ENREF_1)] |
| *Antechinus stuartii* | 17.0 | 28.2 | [[1](#_ENREF_1)] |
| *Antechinus swainsonii* | 31.8 | 66.9 | [[1](#_ENREF_1)] |
| *Betongia penicillata* | 283 | 1018 | [[1](#_ENREF_1)] |
| *Bettongia gaimardi* | 323 | 1385 | [[1](#_ENREF_1)] |
| *Burramys parvus* | 36.8 | 44.3 | [[1](#_ENREF_1)] |
| *Cercartetus conncinnus* | 11.2 | 18.6 | [[1](#_ENREF_1)] |
| *Cercartetus lepidus* | 9.5 | 12.6 | [[1](#_ENREF_1)] |
| *Cercartetus nanus* | 60.2 | 70.0 | [[1](#_ENREF_1)] |
| *Dasycercus cristicauda* | 25.7 | 101 | [[1](#_ENREF_1)] |
| *#Dasyuroides byrnei*  | 36.1 | 91.7 | [[1](#_ENREF_1)] |
| *Dasyursus viverrinus* | 200 | 982 | [[1](#_ENREF_1)] |
| *Dasyurus geoffroyi* | 569 | 1354 | [[1](#_ENREF_1)] |
| *Dasyurus hallacatus* | 150 | 584 | [[1](#_ENREF_1),[2](#_ENREF_2),[3](#_ENREF_3)] |
| *Dasyurus maculatus* | 281 | 1782 | [[1](#_ENREF_1)] |
| *Gymnobelideus leadbeateri* | 51.9 | 166 | [[4](#_ENREF_4)] |
| *Isoodon auratus* | 75.5 | 428 | [[1](#_ENREF_1)] |
| *Isoodon macrourus* | 289 | 1551 | [[1](#_ENREF_1)] |
| *Isoodon obesulus* | 112 | 717 | [[1](#_ENREF_1)] |
| *Lagorchestes conspicillatus* | 429 | 2660 | [[4](#_ENREF_4)] |
| *Lasiorhinus latifrons* | 1508 | 29917 | [[1](#_ENREF_1)] |
| *Macropus eugenii* | 701 | 4878 | [[4](#_ENREF_4)] |
| *Macropus giganteus* | 2737 | 26400 | [[1](#_ENREF_1),[5](#_ENREF_5)] |
| *Macropus robustus* | 2691 | 30000 | [[1](#_ENREF_1),[2](#_ENREF_2)] |
| *Macropus rufus* | 2947 | 32490 | [[4](#_ENREF_4),[5](#_ENREF_5)] |
| *Macrotis lagotis* | 227 | 1294 | [[1](#_ENREF_1)] |
| *Myrmecobius fasciatus* | 71.8 | 400 | [[1](#_ENREF_1)] |
| *Ningaui yvonnae* | 7.9 | 11.6 | [[1](#_ENREF_1)] |
| *Parantechinus apicalis* | 24.4 | 78.3 | [[6](#_ENREF_6)] |
| *Perameles gunni* | 420 | 837 | [[1](#_ENREF_1)] |
| *Perameles nasuta* | 159 | 645 | [[1](#_ENREF_1)] |
| *Petauroides volans* | 289 | 1141 | [[1](#_ENREF_1)] |
| *Petaurus breviceps* | 45.3 | 127 | [[1](#_ENREF_1)] |
| *Phascogale tapoatafa* | 127 | 157 | [[1](#_ENREF_1)] |
| *Phascolarctos cinereus* | 521 | 4765 | [[1](#_ENREF_1)] |
| *Planigale gilesi* | 3.5 | 9.1 | [[1](#_ENREF_1)] |
| *Planigale ingrami* | 5.7 | 7.1 | [[4](#_ENREF_4)] |
| *Planigale maculata* | 6.0 | 10.8 | [[1](#_ENREF_1)] |
| *Planigale tenuirostris* | 5.7 | 7.1 | [[1](#_ENREF_1)] |
| *Potorous tridactylus* | 210 | 976 | [[1](#_ENREF_1)] |
| *Pseudocheirus occidentalis* | 219 | 917 | [[1](#_ENREF_1),[2](#_ENREF_2)] |
| *Pseudocheirus peregrinus* | 217 | 916 | [[1](#_ENREF_1)] |
| *Sarcophilus harrisii* | 668 | 5775 | [[1](#_ENREF_1)] |
| *Setonix brachyurus* | 420 | 2674 | [[4](#_ENREF_4)] |
| *Sminthopsis crassicaudata* | 12.7 | 16.4 | [[1](#_ENREF_1)] |
| *Sminthopsis macroura* | 11.4 | 19.4 | [[1](#_ENREF_1)] |
| *Sminthopsis murina* | 21.5 | 19.0 | [[1](#_ENREF_1)] |
| *Spilocuscus maculatus* | 576 | 4250 | [[1](#_ENREF_1)] |
| *Tarsipes rostratus* | 14.6 | 10.0 | [[1](#_ENREF_1)] |
| *Trichosurus arnhemensis* | 369 | 2005 | [[1](#_ENREF_1)] |
| *Trichosurus vulpecula* | 315 | 1982 | [[1](#_ENREF_1),[2](#_ENREF_2)] |

#also reported as *Dasycercus byrnie*.

**Table S2 References**

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