**AnimalTraits**

Trait databases have become important resources for large-scale comparative studies in ecology and evolution. The AnimalTraits database is a curated database of body mass, metabolic rate and brain size, in standardised units, for terrestrial animals. The database has broad taxonomic breadth, including tetrapods, arthropods, molluscs and annelids from almost 2000 species and 1000 genera. For more information, see https://www.nature.com/articles/s41597-022-01364-9

|  |  |
| --- | --- |
| Column | Description |
| phylum | The full scientific name of the phylum or division in which the taxon is classified. |
| class | The full scientific name of the class in which the taxon is classified. |
| order | The full scientific name of the order in which the taxon is classified. |
| family | The full scientific name of the family in which the taxon is classified. |
| genus | The full scientific name of the genus in which the taxon is classified. |
| species | The genus and specific epithet. |
| specificEpithet | The name of the first or species epithet of the scientificName. |
| sex | The sex of the individual(s). |
| sampleSizeValue | Number of individuals in the observation. |
| inTextReference | In-text citation of the originating data source. |
| publicationYear | Year of publication of the originating data source. |
| fullReference | Full reference details of the originating data source. |
| body mass | Numeric standardised body mass value |
| body mass - units | Units of body mass |
| body mass - minimum | Minimum body mass (in standardised units) if a range was specified in the data source |
| body mass - maximum | Maximum body mass (in standardised units) if a range was specified in the data source |
| body mass - method | Method used to measure mass |
| body mass - comments | Manually entered comments arising from data entry or quality control. The text "DONTWARN: checked" flags that the value fails an automated check but has been manually double checked against the original data source |
| body mass - metadata comment | Manually entered comments about the method used to measure the mass |
| original body mass | Unstandardised mass or weight value from source document |
| original body mass - units | Units of mass or weight in source document |
| metabolic rate | Numeric standardised metabolic rate value |
| metabolic rate - units | Units for metabolic rate |
| metabolic rate - minimum | Minimum metabolic rate (in standardised units) if a range was specified in the data source |
| metabolic rate - maximum | Maximum metabolic rate (in standardised units) if a range was specified in the data source |
| metabolic rate - method | Method used to measure metabolic rate |
| metabolic rate - comments | Manually entered comments arising from data entry or quality control. The text "DONTWARN: checked" flags that the value fails an automated check but has been manually double checked against the original data source |
| metabolic rate - metadata comment | Manually entered comments about the method used to measure the metabolic rate |
| original metabolic rate | Unstandardised metabolic rate value from source document |
| original metabolic rate - units | Units of metabolic rate in source document |
| original respiratoryQuotient | The respiratory quotient value recorded in the source document |
| original temperature | Temperature at which metabolic rate was measured |
| mass-specific metabolic rate | Numeric standardised metabolic rate / body mass |
| mass-specific metabolic rate - units | Units of standardised mass-specific metabolic rate |
| brain size | Numeric standardised brain size |
| brain size - units | Units for standardised brain size |
| brain size - minimum | Minimum brain size (in standardised units) if a range was specified in the data source |
| brain size - maximum | Maximum brain size (in standardised units) if a range was specified in the data source |
| brain size - method | Method used to measure brain size |
| brain size - comments | Manually entered comments arising from data entry or quality control. The text "DONTWARN: checked" flags that the value fails an automated check but has been manually double checked against the original data source |
| brain size - metadata comment | Manually entered comments about the method used to measure the brain size |
| original brain size | Unstandardised brain size from source document |
| original brain size - units | Units of brain size in source document |