

## Metadata for mammal clades trait data.

**Metadata for the files: traits\_rodont, traits\_chiro, traits\_eulipo, traits\_primat, traits\_artiod, and traits\_carniv.** Trait data, especially diet data, is clade-specific, so clades will differ in which columns are included in the traits file. “Clades” indicates which clades and which files contain the given column. Rodent = Rodentia, Chiro = Chiroptera, Eulipo = Eulipotyphla, Primat = Primates, Artiod = Artiodactyla, Carniv = Carnivora. This study used PHYLACINE version 1.2, EltonTraits version 1.0, HerbiTraits version 1.2, and CarniTraits version 1.5.3.

Column	Definition	Clades	Notes
Binomial.1.2	Binomial name	All	From PHYLACINE
Order.1.2	Order name	All	From PHYLACINE
Family.1.2	Family name	All	From PHYLACINE
Genus.1.2	Genus name	All	From PHYLACINE
Species.1.2	Specific name	All	From PHYLACINE
Mass.g	Body mass in grams	All	From HerbiTraits, CarniTraits, or PHYLACINE
Mass.Source	Source of body mass data	All	Either HerbiTraits, CarniTraits, or PHYLACINE
ForStrat.Arboreal	Non-exclusive binary variable indicating arboreal foraging	All	Derived from EltonTraits “ForStrat.Value”, with Arboreal and Scansorial now defined as “Arboreal”
ForStrat.Ground	Non-exclusive binary variable indicating terrestrial foraging	All	Derived from EltonTraits “ForStrat.Value”, with Ground and Scansorial now defined as “Ground”
ForStrat.Aerial	Binary variable indicating aerial foraging	Chirop	Derived from EltonTraits “ForStrat.Value”
ForStrat.Souce	Source of foraging strata data	All	Foraging strata data may be from EltonTraits, from HerbiTraits “Habitat” variables, from CarniTraits “Hunting” variables, imputed from genus, or manually entered with justification and/or citation provided
ForStrat.Notes	Justification for manually entered foraging strata data	Rodent	
Diet.Invertebrate	Percentage of invertebrate prey in diet (0 to 100)	Rodent, Chirop, Eulipo, Primat, Carniv	From PHYLACINE or CarniTraits
Diet.Vertebrate	Percentage of vertebrate prey in diet (0 to 100)	Rodent, Chirop, Eulipo, Primat, Carniv	From PHYLACINE or CarniTraits
Diet.Plant	Percentage of plants and/or fungi in diet (0 to 100)	Eulipo, Carniv	From PHYLACINE or CarniTraits
Diet.Fruit	Percentage of fruit in diet (0 to 100), with other non-plant parts included depending on clade	Rodent, Chirop, Primate	For Rodentia, derived from EltonTraits “Diet.Fruit” & “Diet.Nect”; for Chiroptera, derived from EltonTraits “Diet.Fruit”, “Diet.Seed”, & “Diet.PlantO”; for Primates, derived from EltonTraits “Diet.Fruit” & “Diet.Seed”
Diet.Seed	Percentage of seeds in diet (0 to 100)	Rodent	Derived from EltonTraits “Diet.Seed”
Diet.Herb	Percentage of other plant parts besides fruit, nectar, and seeds (e.g., browse or grass) in diet (0 to 100)	Rodent	Derived from EltonTraits “Diet.PlantO”
Diet.Leaf	Percentage of other plant parts besides fruit, nectar, and seeds (e.g., browse or grass) in diet (0 to 100)	Primat	Derived from EltonTraits “Diet.PlantO”
Diet.Nect	Percentage of nectar in diet (0 to 100)	Chirop	Derived from EltonTraits “Diet.Nect”

Diet.Graminoids	Importance of graminoids in diet (0 to 3).	Artiod	From HerbiTraits
Diet.Browse.Fruit	Importance of browse or fruit in diet (0 to 3).	Artiod	From HerbiTraits.
Diet.Meat	Importance of vertebrates or invertebrates in diet (0 to 3)	Artiod	From HerbiTraits.
Diet.Source	Source of primary diet data	All	Diet data may be from HerbiTraits, from CarniTraits, from PHYLACINE, imputed from genus, or manually entered with citation provided
Diet.Notes	Justification for manually entered diet data	Artiod	
PlantCat.Source	Source of plant diet data	Rodent, Chirop, Primat	For species with diets >10% plants according to PHYLACINE, finer resolution plant diet data may be derived from EltonTraits, imputed from genus, or manually entered with citation provided
PlantCat.Notes	Justification for manually entered plant diet data	Rodent, Chirop, Primat	