**Table S2.** Representation of threatened mammal species for each taxonomic order in ISIS zoos: total number of described species per order, number of threatened species, total number of species in ISIS zoos, number of threatened species in ISIS zoos, expected number of species if zoos planned their collections at random, *P*-values and representation of each order in ISIS zoos (low: lower number of species than expected; high: higher number of species than expected; NS: not significant, i.e. number of species as expected) (NT: no threatened species for that order, so the analyses do not apply).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ORDER** | **IUCN Red List** | | **ISIS Zoos institution** | | | | |
|  | Total species | Threatened species | Total species | Threatened | *Expected* | *P*-value | Representation ISIS |
| Eulipotyphla | 450 | 84 | 17 | 0 | 3.150 | 0.023 | Low |
| Rodentia | 2,236 | 358 | 234 | 18 | 37.445 | 0.000 | Low |
| Dasyromorphia | 74 | 12 | 15 | 6 | 2.394 | 0.005 | High |
| Dermoptera | 2 | 0 | 0 | 0 | NT | NT | NT |
| Hyracoidea | 5 | 0 | 2 | 0 | NT | NT | NT |
| Microbiotheria | 1 | 0 | 0 | 0 | NT | NT | NT |
| Notoryctemorphia | 2 | 0 | 0 | 0 | NT | NT | NT |
| Tubulidentata | 1 | 0 | 1 | 0 | NT | NT | NT |
| Afrosoricida | 54 | 17 | 5 | 0 | 1.556 | 0.148 | NS |
| Carnivora | 285 | 71 | 173 | 44 | 43.249 | 0.110 | NS |
| Cetartiodactyla | 328 | 109 | 166 | 53 | 55.261 | 0.090 | NS |
| Chiroptera | 1,145 | 173 | 52 | 11 | 7.947 | 0.063 | NS |
| Cingulata | 21 | 4 | 8 | 2 | 1.496 | 0.369 | NS |
| Didelphimorphia | 95 | 8 | 11 | 0 | 1.000 | 0.361 | NS |
| Diprotodontia | 146 | 45 | 55 | 15 | 17.050 | 0.106 | NS |
| Lagomorpha | 93 | 17 | 13 | 2 | 2.406 | 0.294 | NS |
| Macroscelidea | 17 | 3 | 4 | 1 | 1.000 | 0.450 | NS |
| Monotremata | 5 | 3 | 4 | 2 | 2.409 | 0.591 | NS |
| Paucituberculata | 6 | 2 | 0 | 0 | 1.000 | 1.000 | NS |
| Peramelemorphia | 22 | 6 | 6 | 2 | 1.670 | 0.376 | NS |
| Perissodactyla | 16 | 13 | 12 | 10 | 9.736 | 0.489 | NS |
| Pholidota | 8 | 2 | 3 | 2 | 1.000 | 0.113 | NS |
| Pilosa | 10 | 2 | 7 | 0 | 1.396 | 0.062 | NS |
| Primates | 415 | 201 | 184 | 92 | 89.196 | 0.070 | NS |
| Proboscidea | 2 | 1 | 2 | 1 | 1.000 | 1.000 | NS |
| Scandentia | 20 | 2 | 3 | 0 | 1.000 | 0.723 | NS |
| Sirenia | 5 | 4 | 1 | 1 | 1.000 | 0.823 | NS |