

S1 Table: List of KEGG's Mammals

| <b>Id</b> | <b>Code</b> | <b>Organism</b>   |
|-----------|-------------|---|
| 0         | <i>hsa</i>  | Homo sapiens (human)  |
| 1         | <i>ptr</i>  | Pan troglodytes (chimpanzee)                                |
| 2         | <i>pps</i>  | Pan paniscus (bonobo)                                       |
| 3         | <i>ggo</i>  | Gorilla gorilla (western lowland gorilla)                   |
| 4         | <i>pon</i>  | Pongo abelii (Sumatran orangutan)                           |
| 5         | <i>nle</i>  | Nomascus leucogenys (northern white-cheeked gibbon)         |
| 6         | <i>mcc</i>  | Macaca mulatta (rhesus monkey)                              |
| 7         | <i>mcf</i>  | Macaca fascicularis (crab-eating macaque)                   |
| 8         | <i>csab</i> | Chlorocebus sabaeus (green monkey)                          |
| 9         | <i>rro</i>  | Rhinopithecus roxellana (golden snub-nosed monkey)          |
| 10        | <i>rbb</i>  | Rhinopithecus bieti (black snub-nosed monkey)               |
| 11        | <i>cjc</i>  | Callithrix jacchus (white-tufted-ear marmoset)              |
| 12        | <i>sbq</i>  | Saimiri boliviensis boliviensis (Bolivian squirrel monkey)  |
| 13        | <i>mmu</i>  | Mus musculus (mouse)  |
| 14        | <i>mcal</i> | Mus caroli (Ryukyu mouse)                                   |
| 15        | <i>mpah</i> | Mus bahari (shrew mouse)                                    |
| 16        | <i>rno</i>  | Rattus norvegicus (rat)                                     |
| 17        | <i>mun</i>  | Meriones unguiculatus (Mongolian gerbil)                    |
| 18        | <i>cge</i>  | Cricetus griseus (Chinese hamster)                          |
| 19        | <i>ngi</i>  | Nannospalax galili (Upper Galilee mountains blind mole rat) |
| 20        | <i>hgl</i>  | Heterocephalus glaber (naked mole rat)                      |
| 21        | <i>ccan</i> | Castor canadensis (American beaver)                         |
| 22        | <i>ocu</i>  | Oryctolagus cuniculus (rabbit)                              |
| 23        | <i>tup</i>  | Tupaia chinensis (Chinese tree shrew)                       |
| 24        | <i>cfa</i>  | Canis familiaris (dog)                                      |
| 25        | <i>vvp</i>  | Vulpes vulpes (red fox)                                     |
| 26        | <i>aml</i>  | Ailuropoda melanoleuca (giant panda)                        |
| 27        | <i>umr</i>  | Ursus maritimus (polar bear)                                |
| 28        | <i>uah</i>  | Ursus arctos horribilis                                     |
| 29        | <i>oro</i>  | Odobenus rosmarus divergens (Pacific walrus)                |
| 30        | <i>elk</i>  | Enhydra lutris kenyoni (northern sea otter)                 |
| 31        | <i>mdo</i>  | Monodelphis domestica (opossum)                             |
| 32        | <i>pcw</i>  | Phascolarctos cinereus (koala)                              |
| 33        | <i>fca</i>  | Felis catus (domestic cat)                                  |
| 34        | <i>ptg</i>  | Panthera tigris altaica (Amur tiger)                        |
| 35        | <i>ppad</i> | Panthera pardus (leopard)                                   |
| 36        | <i>aju</i>  | Acinonyx jubatus (cheetah)                                  |
| 37        | <i>bta</i>  | Bos taurus (cow)  |
| 38        | <i>biu</i>  | Bos indicus (zebu cattle)                                   |
| 39        | <i>bom</i>  | Bos mutus (wild yak)  |
| 40        | <i>bbb</i>  | Bubalus bubalis (water buffalo)                             |
| 41        | <i>chx</i>  | Capra hircus (goat)   |
| 42        | <i>oas</i>  | Ovis aries (sheep)  |
| 43        | <i>ssc</i>  | Sus scrofa (pig)  |
| 44        | <i>cfr</i>  | Camelus ferus (Wild Bactrian camel)                         |
| 45        | <i>cdk</i>  | Camelus dromedarius (Arabian camel)                         |
| 46        | <i>bacu</i> | Balaenoptera acutorostrata scammoni (minke whale)           |
| 47        | <i>lve</i>  | Lipotes vexillifer (Yangtze River dolphin)                  |
| 48        | <i>oor</i>  | Orcinus orca (killer whale)                                 |
| 49        | <i>dle</i>  | Delphinapterus leucas (beluga whale)                        |
| 50        | <i>pcad</i> | Physeter catodon (sperm whale)                              |
| 51        | <i>ecb</i>  | Equus caballus (horse)                                      |
| 52        | <i>epz</i>  | Equus przewalskii (Przewalski's horse)                      |
| 53        | <i>eai</i>  | Equus asinus (ass)  |
| 54        | <i>myb</i>  | Myotis brandtii (Brandt's bat)                              |
| 55        | <i>myd</i>  | Myotis davidii  |
| 56        | <i>mna</i>  | Miniopterus natalensis                                      |
| 57        | <i>hai</i>  | Hipposideros armiger (great roundleaf bat)                  |
| 58        | <i>dro</i>  | Desmodus rotundus (common vampire bat)                      |
| 59        | <i>pale</i> | Pteropus alecto (black flying fox)                          |
| 60        | <i>ray</i>  | Rousettus aegyptiacus (Egyptian rousette)                   |
| 61        | <i>mjv</i>  | Manis javanica (Malayan pangolin)                           |
| 62        | <i>lav</i>  | Loxodonta africana (African savanna elephant)               |
| 63        | <i>tmu</i>  | Trichechus manatus latirostris (Florida manatee)            |
| 64        | <i>shr</i>  | Sarcophilus harrisii (Tasmanian devil)                      |
| 65        | <i>oaa</i>  | Ornithorhynchus anatinus (platypus)                         |