**Table S1:** The names, Accession No and taxonomic classification of 24 different organisms whose protein sequences are used for multiple sequence alignment and phylogenetic analysis.

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| **No.** | **NCBI Accession No.** | **Organism** | **Taxonomic Classification** |
|  | Q8IUM7 | Homo Sapiens (Human) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Primates | |
|  | XP\_001171566 | Pan troglodytes (Chimpanzee) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Primates | |
|  | XP\_003828720 | [Pan paniscus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=9597)  (Bonobo) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Primates | |
|  | XP\_003273945 | Nomascus leucogenys  (northern white-cheeked gibbon) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Primates | |
|  | XP\_017712649 | Rhinopithecus bieti (black snub-nosed monkey) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Primates | |
|  | XP\_004437714 | Ceratotherium simum simum  (southern white rhinoceros) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Perissodactyla | |
|  | XP\_001917367 | Equus caballus  (horse) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Perissodactyla | |
|  | XP\_014700260 | Equus asinus  (Donkey) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Perissodactyla | |
|  | XP\_015358576 | Marmota marmota marmota  (Alpine marmot) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_006893354 | Elephantulus edwardii (Cape elephant shrew) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Macroscelidea | |
|  | XP\_004627252 | Octodon degus  (degu) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_010634196 | Fukomys damarensis (Damara mole-rat) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_004656772 | Jaculus jaculus  (lesser Egyptian jerboa) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_002709295 | Oryctolagus cuniculus (rabbit) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Lagomorpha | |
|  | XP\_013369270 | Chinchilla lanigera  (long-tailed chinchilla) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_006860951 | Chrysochloris asiatica  (Cape golden mole) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Afrosoricida | |
|  | XP\_005351758 | Microtus ochrogaster (prairie vole) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_006210724 | Vicugna pacos  (alpaca) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Artiodactyla | |
|  | XP\_006179566 | Camelus ferus  (Wild Bactrian camel) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Artiodactyla | |
|  | AAI29862 | Mus musculus  (house mouse) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_003468315 | Cavia porcellus  (domestic guinea pig) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_003509474 | Cricetulus griseus  (Chinese hamster) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |
|  | XP\_004596699 | Ochotona princeps (American pika) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Ochotonidae | |
|  | XP\_005333442 | Ictidomys tridecemlineatus (thirteen-lined ground squirrel) | |  |  | | --- | --- | | Kingdom: | Animalia | | Phylum: | Chordata | | Class: | Mammalia | | Order: | Rodentia | |