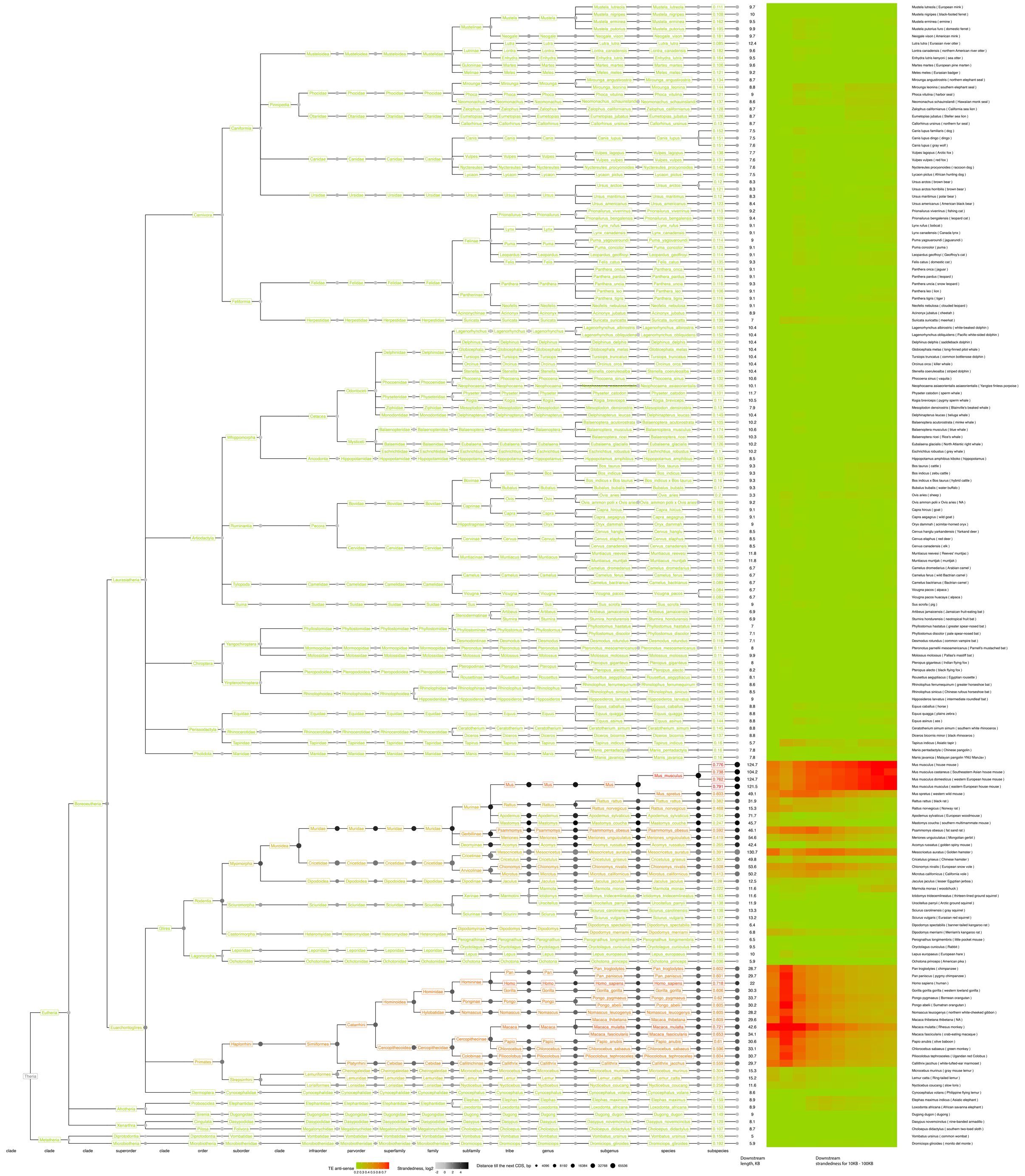
NOPCHAP1


Mustela lutreola (European mink)
Mustela nigripes (black-footed ferret)
Mustela erminea (ermine)
Mustela putorius furo (domestic ferret)
Neogale vison (American mink)
Lutra lutra (Eurasian river otter)
Lontra canadensis (northern American river otter)
Enhydra lutris kenyoni (sea otter)
Martes martes (European pine marten)
Meles meles (Eurasian badger)
Mirounga angustirostris (northern elephant seal)
Mirounga leonina (southern elephant seal)
Phoca vitulina (harbor seal)
Neomonachus schauinslandi (Hawaiian monk seal)
Zalophus californianus (California sea lion)
Eumetopias jubatus (Steller sea lion)
Callorhinus ursinus (northern fur seal)
Canis lupus familiaris (dog)
Canis lupus dingo (dingo)
Canis lupus (gray wolf)
Vulpes lagopus (Arctic fox)
Vulpes vulpes (red fox)
Nyctereutes procyonoides (raccoon dog)
Lycaon pictus (African hunting dog)
Ursus arctos (brown bear)
Ursus arctos horribilis (brown bear)
Ursus maritimus (polar bear)
Ursus americanus (American black bear)
Prionailurus viverrinus (fishing cat)
Prionailurus bengalensis (leopard cat)
Lynx rufus (bobcat)
Lynx canadensis (Canada lynx)
Puma yagouaroundi (jaguarundi)
Puma concolor (puma)
Leopardus geoffroyi (Geoffroy's cat)
Felis catus (domestic cat)
Panthera onca (jaguar)
Panthera pardus (leopard)
Panthera uncia (snow leopard)
Panthera leo (lion)
Panthera tigris (tiger)
Neofelis nebulosa (clouded leopard)
Acinonyx jubatus (cheetah)
Suricata suricatta (meerkat)
Lagenorhynchus albirostris (white-beaked dolphin)
Lagenorhynchus obliquidens (Pacific white-sided dolphin)
Delphinus delphis (saddleback dolphin)
Globicephala melas (long-finned pilot whale)
Tursiops truncatus (common bottlenose dolphin)
Orcinus orca (killer whale)
Stenella coeruleoalba (striped dolphin)
Phocoena sinus (vaquita)
Neophocaena asiaeorientalis asiaeorientalis (Yangtze finless porpoise)
Physeter catodon (sperm whale)
Kogia breviceps (pygmy sperm whale)
Mesoplodon densirostris (Blainville's beaked whale)
Delphinapterus leucas (beluga whale)
Balaenoptera acutorostrata (minke whale)
Balaenoptera musculus (blue whale)
Balaenoptera ricei (Rice's whale)
Eubalaena glacialis (North Atlantic right whale)
Eschrichtius robustus (grey whale)
Hippopotamus amphibius kiboko (hippopotamus)
Bos taurus (cattle)
Bos indicus (zebu cattle)
Bos indicus x Bos taurus (hybrid cattle)
Bubalus bubalis (water buffalo)
Ovis aries (sheep)
Ovis ammon polii x Ovis aries (NA)
Capra hircus (goat)
Capra aegagrus (wild goat)
Oryx dammah (scimitar-horned oryx)
Cervus hanglu yarkandensis (Yarkand deer)
Cervus elaphus (red deer)
Cervus canadensis (elk)
Muntiacus reevesi (Reeves' muntjac)
Muntiacus muntjak (muntjak)
Camelus dromedarius (Arabian camel)
Camelus ferus (wild Bactrian camel)
Camelus bactrianus (Bactrian camel)
Vicugna pacos (alpaca)
Vicugna pacos huacaya (alpaca)
Sus scrofa (pig)
Artibeus jamaicensis (Jamaican fruit-eating bat)
Sturnira hondurensis (neotropical fruit bat)
Phyllostomus hastatus (greater spear-nosed bat)
Phyllostomus discolor (pale spear-nosed bat)
Desmodus rotundus (common vampire bat)
Pteronotus parnellii mesoamericanus (Parnell's mustached bat)
Molossus molossus (Pallas's mastiff bat)
Pteropus giganteus (Indian flying fox)
Pteropus alecto (black flying fox)
Rousettus aegyptiacus (Egyptian rousette)
Rhinolophus ferrumequinum (greater horseshoe bat)
Rhinolophus sinicus (Chinese rufous horseshoe bat)
Hipposideros larvatus (intermediate roundleaf bat)
Equus caballus (horse)
Equus quagga (plains zebra)
Equus asinus (ass)
Ceratotherium simum simum (southern white rhinoceros)
Diceros bicornis minor (black rhinoceros)
Tapirus indicus (Asiatic tapir)
Manis pentadactyla (Chinese pangolin)
Manis javanica (Malayan pangolin YNU ManJav)
Mus musculus (house mouse)
Mus musculus castaneus (Southeastern Asian house mouse)
Mus musculus domesticus (western European house mouse)
Mus musculus musculus (eastern European house mouse)
Mus spretus (western wild mouse)
Rattus rattus (black rat)
Rattus norvegicus (Norway rat)
Apodemus sylvaticus (European woodmouse)
Mastomys coucha (southern multimammate mouse)
Psammomys obesus (fat sand rat)
Meriones unguiculatus (Mongolian gerbil)
Acomys russatus (golden spiny mouse)
Mesocricetus auratus (Golden hamster)
Cricetulus griseus (Chinese hamster)
Chionomys nivalis (European snow vole)
Microtus californicus (California vole)
Jaculus jaculus (lesser Egyptian jerboa)
Marmota monax (woodchuck)
Ictidomys tridecemlineatus (thirteen-lined ground squirrel)
Urocitellus parryii (Arctic ground squirrel)
Sciurus carolinensis (gray squirrel)
Sciurus vulgaris (Eurasian red squirrel)
Dipodomys spectabilis (banner-tailed kangaroo rat)
Dipodomys merriami (Merriam's kangaroo rat)
Perognathus longimembris (little pocket mouse)
Oryctolagus cuniculus (Rabbit)
Lepus europaeus (European hare)
Ochotona princeps (American pika)
Pan troglodytes (chimpanzee)
Pan paniscus (pygmy chimpanzee)
Homo sapiens (human)
Gorilla gorilla gorilla (western lowland gorilla)
Pongo pygmaeus (Bornean orangutan)
Pongo abelii (Sumatran orangutan)
Nomascus leucogenys (northern white-cheeked gibbon)
Macaca thibetana thibetana (NA)
Macaca mulatta (Rhesus monkey)
Macaca fascicularis (crab-eating macaque)
Papio anubis (olive baboon)
Chlorocebus sabaeus (green monkey)
Piliocolobus tephrosceles (Ugandan red Colobus)
Callithrix jacchus (white-tufted-ear marmoset)
Microcebus murinus (gray mouse lemur)
Lemur catta (Ring-tailed lemur)
Nycticebus coucang (slow loris)
Cynocephalus volans (Philippine flying lemur)
Elephas maximus indicus (Asiatic elephant)
Loxodonta africana (African savanna elephant)
Dugong dugon (dugong)
Dasypus novemcinctus (nine-banded armadillo)
Choloepus didactylus (southern two-toed sloth)
Vombatus ursinus (common wombat)
Dromiciops gliroides (monito del monte)
clade
clade
clade
superorder
clade
order
suborder
clade
infraorder
parvorder
superfamily
family
subfamily
tribe
genus
subgenus
species
subspecies
Downstream length, KB
Downstream strandedness for 10KB - 100KB
TE anti-sense
0.2 0.3 0.4 0.5 0.6 0.7
Strandedness, log2
-2 0 2 4
Distance till the next CDS, bp
4096 8192 16384 32768 65536