Taxonomic group		*Genus species*	Common Name	Date of divergence	Acc#	Sequence length (aa)	Seq. ID to human (%)	Seq. SIM to human (%)
Mammalia	Primate	*Homo sapiens*	Human	0	NP_001317106	1172	100	100
Mammalia	Rodentia	*Heterocephalus glaber*	Naked mole-rat	87	XP_021103624.1	1180	80.2	87.2
Mammalia	Carnivora	*Enhydra lutris kenyoni*	Northern sea otter	94	XP_022348596	1185	84.8	91.8
Mammalia	Diprotodontia	*Phascolarctos cinereus*	Koala	160	XP_020842141.1	1184	74.6	84.6
Aves	Apterygiformes	*Apteryx rowi*	Okarito brown kiwi	319	XP_025944399.1	1183	69.3	82.1
Aves	Pelecaniformes	*Nipponia nippon*	Crested ibis	319	XP_009459969.1	1183	67.8	80.5
Aves	Passeriformes	*Cyanistes caeruleus*	Blue tit	319	XP_023783113.1	1183	66.1	79.0
Reptilia	Testudines	*Gopherus flavomarginatus*	Mexican gopher tortoise	319	XP_050808482	1186	69.6	81.4
Reptilia	Crocodilia	*Alligator mississippiensis*	American alligator	319	XP_014454263.2	1188	67.4	81.2
Reptilia	Crocodilia	*Crocodylus porosus*	Australian saltwater crocodile	319	XP_019406465.1	1189	67.1	81.4
Reptilia	Squamata	*Varanus komodoensis*	Komodo dragon	319	XP_044293075.1	1196	63.1	76.8
Reptilia	Squamata	*Python bivittatus*	Burmese python	319	XP_025023002.1	1185	61.4	77.1
Reptilia	Squamata	*Heteronotia binoei*	Prickly gecko	319	XP_060118477.1	1181	56.0	71.8
Amphibia	Anura	*Bombina bombina*	Fire-bellied toad	352	XP_053553277	1182	61.7	76.7
Amphibia	Anura	*Xenopus tropicalis*	Tropical clawed frog	352	NP_001121514.1	1184	60.0	76.0
Dipnomorpha	Ceratodontiforme	*Protopterus annectens*	West African lungfish	408	XP_043930401	1212	58.0	72.2
Actinopterygii	Characiformes	*Pygocentrus nattereri*	Red-bellied piranha	429	XP_017575589	1234	49.4	65.4
Actinopterygii	Cypriniformes	*Danio rerio*	Zebrafish	429	NP_001075043	1225	48.8	64.4
Chondrichthyes	Chimaeriformes	*Callorhinchus milii*	Elephant shark	462	XP_007902018.1	1200	57.8	73.8
Chondrichthyes	Myliobatiformes	*Hypanus sabinus*	Atlantic stingray	462	XP_059815815.1	1193	57.3	72.5
Chondrichthyes	Orectolobiformes	*Rhincodon typus*	Whale shark	462	XP_020368394.1	1193	56.3	72.8
Ascidiacea	Phlebobranchia	*Ciona intestinalis*	Vase tunicate	596	XP_002120884	1220	34.8	53.4
Arachnida	Scorpiones	*Lytechinus pictus*	Bark scorpion	619	XP_063959020	1182	34.6	53.6
Bivalvia	Ostreida	*Ostrea edulis*	European flat oyster	686	XP_048736272	1238	39.9	57.5
Echinoidea	Camarodonta	*Centruroides sculpturatus*	Painted urchin	686	XP_023217728	1254	39.0	57.8

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