

**S1 Table. Species priority from vertebrate subdivision mapped to miRBase 21.0.**

Class	Organism	Common Name	3 letter name
Pisces	<i>Paralichthys olivaceus</i>	Olive flounder	pol
Pisces	<i>Danio rerio</i>	Zebrafish	dre
Pisces	<i>Ictalurus punctatus</i>	channel catfish	ipu
Pisces	<i>Oryzias latipes</i>	Japanese killifish	ola
Pisces	<i>Cyprinus carpio</i>	Common carp	ccr
Pisces	<i>Tetraodon nigroviridis</i>	Tetraodon Pufferfish	tni
Pisces	<i>Fugu rubripes</i>	Fugu Pufferfish	fru
Pisces	<i>Hippoglossus hippoglossus</i>	Atlantic halibut	hhi
Mammalia	<i>Homo sapiens</i>	Human	hsa
Mammalia	<i>Mus musculus</i>	Mouse	mmu
Mammalia	<i>Bos taurus</i>	Cow	bta
Mammalia	<i>Pongo pygmaeus</i>	Orangutan	ppy
Mammalia	<i>Pan troglodytes</i>	Common Chimpanzee	ptr
Mammalia	<i>Macaca mulatta</i>	Rhesus Monkey	mml
Mammalia	<i>Monodelphis domestica</i>	Gray Short-tailed Opossum	mdo
Mammalia	<i>Rattus norvegicus</i>	Rat	rno
Mammalia	<i>Ornithorhynchus anatinus</i>	Platypus	oan
Mammalia	<i>Equus caballus</i>	Horse	eca
Mammalia	<i>Canis familiaris</i>	Dog	cfa
Mammalia	<i>Gorilla gorilla</i>	Gorilla	ggo
Mammalia	<i>Sus scrofa</i>	Pig	ssc
Mammalia	<i>Cricetulus griseus</i>	Chinese Hamster	cgr
Mammalia	<i>Ovis aries</i>	Sheep	oar
Mammalia	<i>Pan paniscus</i>	Pygmy Chimpanzee	ppa
Mammalia	<i>Macaca nemestrina</i>	Pig-tailed macaque	mne
Mammalia	<i>Sarcophilus harrisii</i>	Tasmanian devil	sha
Mammalia	<i>Ateles geoffroyi</i>	Spider monkey	age
Mammalia	<i>Lagothrix lagotricha</i>	Woolly monkey	lla
Mammalia	<i>Saguinus labiatus</i>	White-lipped Tamarin	sla
Mammalia	<i>Artibeus jamaicensis</i>	Mexican fruit bat	aja
Mammalia	<i>Lemur catta</i>	Ring-tailed Lemur	lca
Mammalia	<i>Pygathrix bieti</i>	Black snub-nosed monkey	pbi
Mammalia	<i>Symphalangus syndactylus</i>	Siamang	ssy
Mammalia	<i>Macropus eugenii</i>	Tammar wallaby	meu
Aves	<i>Gallus gallus</i>	Chicken	gga
Aves	<i>Taeniopygia guttata</i>	Zebra Finch	tgu
Amphibia	<i>Xenopus tropicalis</i>	Pipid Frog	xtr
Amphibia	<i>Xenopus laevis</i>	Frog	xla
Agnathostomata	<i>Petromyzon marinus</i>	Petromyzon marinus	pma
	<i>Anolis carolinensis</i>	Carolina anole	aca