Major Clade	Kingdom	Species	TIM	RICTOR	SIN1	TOR	LST8	RAPTOR	RHEB	TSC1	TSC2	RAG-A/B	RAG-C/D	DEPDC5	NPRL2	NPRL3
Opisthokonta	Metazoa	Homo sapiens	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Metazoa	Ciona intestinalis	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Metazoa	Drosophila melanogaster	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Metazoa	Schistosoma mansoni	X	X	X	X	X	X				X	X	X	X	X
Opisthokonta	Metazoa	Caenorhabditis elegans	X	X	X	X	X	X	X			X	X	X	X	X
Opisthokonta	Metazoa	Nematostella vectensis	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Metazoa	Trichoplax adhaerens	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta		Amphimedon queenslandica	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta		Capsaspora owczarzaki	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Rozella allomycis	X	X	X	X	X	X				X	X	X	X	X
Opisthokonta	Fungi	Allomyces macrogynus	X	X	X	X	X	X				X	X	X	X	X
Opisthokonta	Fungi	Batrachochytrium dendrobatidis	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Gonapodya prolifera	X	X	X	X	X	X	X		X	X	X	X	X	X
Opisthokonta	Fungi	Conidiobolus coronatus	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Smittium culicis	X	X	X	X	X	X	X		X	X	X	X	X	X
Opisthokonta	Fungi	Rhizophagus irregularis	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Lobosporangium transversale	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Mortierella elongata	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Mucor circinelloides	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Neocallimastix californiae	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Puccinia sorghi	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Schizophyllum commune	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Tilletiaria anomala	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Ustilago maydis	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Dothistroma septosporum	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Aspergillus fumigatus	X	X	X	X	X	X	X		X	X	X	X	X	X
Opisthokonta	Fungi	Botrytis cinerea	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Colletotrichum graminicola	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Fusarium fujikuroi	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Neurospora crassa	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Schizosaccharomyces pombe	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Saitoella complicata	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Yarrowia lipolytica	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Candida albicans	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Opisthokonta	Fungi	Ogataea parapolymorpha	X	X	X	X	X	X	X		X	X	X	X	X	X
Opisthokonta	Fungi	Eremothecium gossypii	X	X	X	X	X	X				X	X	X	X	X
Opisthokonta	Fungi	Kluyveromyces lactis	X	X	X	X	X	X	X		X	X	X	X	X	X
Opisthokonta	Fungi	Saccharomyces cerevisiae	X	X	X	X	X	X	X			X	X	X	X	X
Amoebozoa		Acanthamoeba castellanii	X	X	X	X	X	X	X	X	X	X	X		X	
Amoebozoa		Dictyostelium discoideum	X	X	X	X	X	X	X		X	X	X	X	X	X
Amoebozoa		Entamoeba histolytica	X	X		X		X				X	X	X	X	X
Excavata		Naegleria gruberi	X	X	X	X	X	X				X	X	X	X	X
Excavata		Trypanosoma brucei	X	X		X	X	X				X	X	X	X	
Excavata		Leishmania major		X	X	X	X	X				X	X	X		
Excavata		Giardia intestinalis	X	X		X	X	X								
SAR	Rhizaria	Plasmodiophora brassicae	X	X	X	X	X	X	X		X	X	X	X	X	X
SAR	Alveolata	Paramecium tetraurelia	X	X	X	X	X					X	X	X	X	
SAR	Alveolata	Tetrahymena thermophila	X	X	X	X	X					X	X	X	X	X
SAR	Alveolata	Vitrella brassicaformis		X	X	X	X	X				X	X	X	X	X
SAR	Alveolata	Plasmodium falciparum														
SAR	Alveolata	Hammondia hammondi				X						X	X			
SAR	Alveolata	Toxoplasma gondii				X						X	X			
SAR	Alveolata	Theileria annulata														
SAR	Stramenopiles	Saprolegnia diclina	X	X	X	X	X	X	X		X	X	X	X	X	X
SAR	Stramenopiles	Aphanomyces invadans	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SAR	Stramenopiles	Phytophthora infestans	X	X	X	X	X	X	X		X	X	X	X	X	X
SAR	Stramenopiles	Plasmopara halstedii	X	X	X	X	X	X	X	X		X	X	X	X	X
SAR	Stramenopiles	Albugo candida	X	X	X	X	X	X	X		X	X	X	X	X	X
SAR	Stramenopiles	Phaeodactylum tricornutum	X			X	X	X	X	X	X	X	X	X	X	
Plantae	Rhodophyta	Galdieria sulphuraria	X			X	X	X	X			X	X	X	X	
Plantae	Rhodophyta	Chondrus crispus				X		X	X							
Plantae	Streptophyta	Selaginella moellendorffii	X			X	X	X								
Plantae	Streptophyta	Amborella trichopoda				X	X	X								
Plantae	Streptophyta	Oryza sativa				X	X	X								
Plantae	Streptophyta	Arabidopsis thaliana				X	X	X								