

Taxon	Species	PAR1	PAR2	SIRT1	SIRT2	SIRT6	MIR55	FOXO3a	TP53	PPARGC1A	SOD3
Fruitlet	<i>Drosophila melanogaster</i>	NCBI protein id: NP_001104452.1	x	NCBI protein id: NP_47735.1	NCBI protein id: NP_65880.2	NCBI protein id: NP_46990.2	NCBI protein id: NP_0016653.1	NCBI protein id: NP_996205.1	NCBI protein id: NP_996268.1	NCBI protein id: NP_649469.2	NCBI protein id: NP_725046.2
Worm	<i>Caenorhabditis elegans</i>	NCBI protein id: NP_491072.1	NCBI protein id: NP_001020571.1	x	NCBI protein id: NP_0155584.1	x	NCBI protein id: NP_001020701.1	NCBI protein id: NP_001021595.1	x	x	NCBI protein id: NP_0150764.1
Yeast	<i>Saccharomyces cerevisiae</i>	x	x	x	NCBI protein id: NP_010242.1	x	NCBI protein id: NP_00810.3	x	x	x	x
Mouse	<i>Mus musculus</i>	NCBI protein id: NP_031441.2	NCBI protein id: NP_033762.1	NCBI protein id: NP_062786.1	NCBI protein id: NP_001116271.1	NCBI protein id: NP_063671.1	NCBI protein id: NP_084239.1	NCBI protein id: NP_062714.1	NCBI protein id: BAAB2343.1	NCBI protein id: NP_032930.1	NCBI protein id: NP_035655.1
Model species	<i>Homo sapiens</i>	NCBI protein id: NP_001191199.1	NCBI protein id: NP_001191199.1	NCBI protein id: NP_001334404.4	NCBI protein id: NP_058599.1	NCBI protein id: NP_001020701.1	NCBI protein id: NP_001020701.1	NCBI protein id: NP_001020701.1	NCBI protein id: AAH95597.1	NCBI protein id: NP_017212627.1	NCBI protein id: NP_001332758.1
Human	<i>Homo sapiens</i>	NCBI protein id: NP_001069.2	NCBI protein id: NP_005475.2	NCBI protein id: NP_002718508.1	AAK51133.1	NCBI protein id: NP_07623.2	NCBI protein id: NP_114108.1	NCBI protein id: NP_963853.1	NCBI protein id: BAC16799.1	NCBI protein id: NP_013137860.1	NCBI protein id: CAG46551.1
Macaque	<i>Macaca mulatta</i>	NCBI protein id: XP_005541069.1	NCBI protein id: NP_001244367.1	NCBI protein id: NP_015003002.1	NCBI protein id: XP_014979357.1	NCBI protein id: NP_001101773.1	NCBI protein id: NP_014983320.1	NCBI protein id: NP_014993103.1	NCBI protein id: AA891534.1	NCBI protein id: NP_014993594.1	NCBI protein id: NP_001181261.1
Orangutan	<i>Pongo abelii</i>	NCBI protein id: XP_00289428.2	NCBI protein id: NP_002824550.1	NCBI protein id: NP_002820941.1	NCBI protein id: NP_001125519.1	NCBI protein id: XP_003779077.1	NCBI protein id: NP_001124839.1	NCBI protein id: NP_005240402.1	NCBI protein id: XP_002827020.1	NCBI protein id: NP_001125407.1	NCBI protein id: NP_005238123.1
Naked mole rat	<i>Heterocephalus glaber</i>	NCBI protein id: NP_001291751.1	NCBI protein id: NP_012921120.1	NCBI protein id: XP_012928418.1	NCBI protein id: XP_012909315.1	NCBI protein id: NP_001297193.1	NCBI protein id: NP_00484395.1	NCBI protein id: NP_00485478.1	NCBI protein id: NP_001297199.1	NCBI protein id: NP_021115878.1	NCBI protein id: NP_004847262.1
Rabbit	<i>Oryctolagus cuniculus</i>	NCBI protein id: XP_002805741.1	NCBI protein id: XP_002805741.1	NCBI protein id: XP_002718508.1	NCBI protein id: XP_002853379.1	x	NCBI protein id: NP_002196271.1	NCBI protein id: NP_002196271.1	NCBI protein id: CA82216.1	NCBI protein id: NP_00270423.1	NCBI protein id: NP_001076101.1
Panda	<i>Ailuropus melanoleucus</i>	NCBI protein id: XP_011232467.2	NCBI protein id: XP_002929561.1	NCBI protein id: XP_019863508.1	NCBI protein id: XP_002927438.2	NCBI protein id: XP_002928505.1	NCBI protein id: XP_002927098.1	NCBI protein id: XP_019653183.1	NCBI protein id: XP_002924483.1	NCBI protein id: NP_019656088.1	NCBI protein id: XP_011235612.1
Doq	<i>Canis lupus familiaris</i>	NCBI protein id: XP_547506.3	NCBI protein id: XP_532618.3	NCBI protein id: XP_548130.2	NCBI protein id: NP_01397805.1	NCBI protein id: XP_542183.2	NCBI protein id: NP_532953.3	NCBI protein id: NP_003638448.1	NCBI protein id: BAA78379.1	NCBI protein id: NP_005618712.1	NCBI protein id: NP_545973.3
Horse	<i>Equus caballus</i>	NCBI protein id: XP_001978088.1	NCBI protein id: NP_001978088.1	NCBI protein id: NP_001978088.1	NCBI protein id: NP_001978088.1	NCBI protein id: NP_001978088.1	NCBI protein id: NP_001978088.1	NCBI protein id: NP_001978088.1	NCBI protein id: NP_001189334.1	NCBI protein id: NP_014594249.1	NCBI protein id: NP_005615141.2
Cow	<i>Bos taurus</i>	NCBI protein id: NP_777176.1	NCBI protein id: NP_010808738.1	NCBI protein id: NP_001179909.1	NCBI protein id: NP_00170003.1	NCBI protein id: NP_001091553.1	NCBI protein id: NP_001093588.1	NCBI protein id: NP_001193012.1	NCBI protein id: CAAS7348.1	NCBI protein id: NP_808814.1	NCBI protein id: NP_777040.1
Pig	<i>Sus scrofa</i>	NCBI protein id: XP_003597689.2	NCBI protein id: XP_003597689.2	NCBI protein id: NP_001193222.1	NCBI protein id: NP_001107743.1	NCBI protein id: NP_001107743.1	NCBI protein id: NP_001107743.1	NCBI protein id: NP_001129431.1	NCBI protein id: NP_989899.3	NCBI protein id: NP_999128.2	NCBI protein id: NP_02056182.1
Dolphin	<i>Tursiops truncatus</i>	NCBI protein id: XP_004320153.2	NCBI protein id: XP_004320153.2	NCBI protein id: XP_004320153.2	NCBI protein id: XP_004320153.2	NCBI protein id: XP_004320153.2	NCBI protein id: NP_004320153.2	NCBI protein id: NP_004320153.2	NCBI protein id: NP_01979792.1	NCBI protein id: NP_019793967.1	NCBI protein id: NP_019793865.1
Elephant	<i>Loxodonta africana</i>	NCBI protein id: XP_010594251.1	NCBI protein id: XP_010599303.1	NCBI protein id: XP_010597464.1	NCBI protein id: XP_003420816.1	NCBI protein id: XP_003421843.1	NCBI protein id: NP_010599670.1	NCBI protein id: XP_003404353.1	NCBI protein id: NP_01058488.1	NCBI protein id: NP_010589671.1	NCBI protein id: NP_003411340.2
Armadillo	<i>Dasypus novemcinctus</i>	NCBI protein id: XP_004447247.1	NCBI protein id: XP_004447247.1	NCBI protein id: XP_004470564.1	NCBI protein id: XP_004481514.2	NCBI protein id: XP_01382537.1	NCBI protein id: NP_012314946.1	NCBI protein id: NP_004484669.1	NCBI protein id: NP_012384548.1	NCBI protein id: NP_004461876.1	NCBI protein id: NP_012381927.1
Opussum	<i>Monodelphis domestica</i>	NCBI protein id: XP_007481563.1	NCBI protein id: XP_007479798.1	NCBI protein id: XP_001369605.3	NCBI protein id: XP_007491852.1	NCBI protein id: XP_001374380.1	NCBI protein id: NP_00138207.1	NCBI protein id: NP_001384953.1	NCBI protein id: NP_007484310.1	NCBI protein id: NP_007496771.1	NCBI protein id: NP_016278786.1
Mammal	<i>Ornithorynchus anatinus</i>	NCBI protein id: XP_01608391.1	NCBI protein id: XP_007854968.1	NCBI protein id: NP_001508324.2	x	NCBI protein id: NP_016080887.1	NCBI protein id: NP_001506236.1	NCBI protein id: NP_001511165.2	NCBI protein id: NP_001521340.4	NCBI protein id: NP_007871417.1	NCBI protein id: NP_003428806.2
Chicken	<i>Gallus gallus</i>	NCBI protein id: NP_001004761.1	x	NCBI protein id: NP_001004761.1	NCBI protein id: NP_001004761.1	NCBI protein id: NP_001004761.1	NCBI protein id: NP_001004761.1	NCBI protein id: NP_001004761.1	NCBI protein id: NP_990595.1	NCBI protein id: NP_001004657.1	NCBI protein id: NP_015114186.1
Turkey	<i>Meleagris gallopavo</i>	NCBI protein id: XP_010704958.1	x	NCBI protein id: XP_010712566.1	NCBI protein id: XP_003213275.1	NCBI protein id: NP_010704918	NCBI protein id: NP_010705770.1	NCBI protein id: NP_010705770.1	x	NCBI protein id: NP_003059431.1	NCBI protein id: NP_019407472.1
Duck	<i>Anas platyrhynchos</i>	NCBI protein id: XP_005014803.3	x	NCBI protein id: XP_005009174.1	x	NCBI protein id: NP_021127484.1	NCBI protein id: NP_005022109	NCBI protein id: NP_021295208.1	x	NCBI protein id: NP_005031720.1	NCBI protein id: NP_005019322.1
Flycatcher	<i>Ficedula albicollis</i>	NCBI protein id: XP_00505307.2	x	NCBI protein id: XP_00505307.2	x	NCBI protein id: NP_00505307.2	NCBI protein id: NP_00505307.2	NCBI protein id: NP_00505307.2	x	NCBI protein id: NP_005054466.1	NCBI protein id: NP_005054465.1
Common seahorse	<i>Stenus vulgaris</i>	NCBI protein id: XP_014742639.1	x	NCBI protein id: XP_014738778.1	NCBI protein id: XP_014749139.1	NCBI protein id: XP_014742716.1	NCBI protein id: NP_014748112	NCBI protein id: NP_014743370.1	NCBI protein id: NP_014748888.1	NCBI protein id: NP_014740037.1	NCBI protein id: NP_01474886.1
Great tit	<i>Parus major</i>	NCBI protein id: XP_015478265.1	x	NCBI protein id: XP_015488114.1	NCBI protein id: XP_015472185.1	NCBI protein id: XP_015507146.1	NCBI protein id: NP_015478265.1	NCBI protein id: NP_015478009.1	x	NCBI protein id: NP_015480810.1	NCBI protein id: NP_015480484.1
Zebra finch	<i>Taeniopygia guttata</i>	NCBI protein id: XP_012429832.1	x	NCBI protein id: XP_012429832.1	x	NCBI protein id: XP_002195684.1	NCBI protein id: NP_012427623	NCBI protein id: NP_002195684.1	x	NCBI protein id: NP_002192650.2	NCBI protein id: NP_002192051.1
Rock pigeon	<i>Columba livia</i>	NCBI protein id: XP_005057407.2	x	NCBI protein id: XP_005512829.1	x	NCBI protein id: XP_005511570.1	NCBI protein id: NP_005511570.1	NCBI protein id: NP_005511570.1	x	NCBI protein id: NP_005511343.1	NCBI protein id: NP_005511343.1
Adelie penguin	<i>Pygoscelis adeliae</i>	NCBI protein id: XP_00931916.1	x	NCBI protein id: XP_009324269.1	x	NCBI protein id: NP_009321769.1	NCBI protein id: NP_009324493	NCBI protein id: NP_009324496.1	x	NCBI protein id: NP_005501343.1	NCBI protein id: NP_009318163.1
African ostrich	<i>Struthio camelus</i>	NCBI protein id: XP_009684683.1	x	NCBI protein id: XP_009674395.1	x	NCBI protein id: NP_009678007.1	NCBI protein id: NP_009681336	NCBI protein id: NP_009675233.1	x	NCBI protein id: NP_009671609.1	NCBI protein id: NP_009671612.1
Aves	<i>Anolis carolinensis</i>	NCBI protein id: XP_003216114.1	NCBI protein id: NP_008115375.1	NCBI protein id: XP_003223739.1	NCBI protein id: XP_003229912.2	NCBI protein id: NP_008123970.2	NCBI protein id: NP_003216145	NCBI protein id: NP_003215683.1	NCBI protein id: NP_008123458.1	NCBI protein id: NP_008109489.1	NCBI protein id: NP_008109486.1
bearded dragon	<i>Pogona vitticeps</i>	NCBI protein id: XP_020642204.1	NCBI protein id: XP_020668376.1	NCBI protein id: XP_020668072.1	NCBI protein id: XP_020642903.1	NCBI protein id: NP_020636227.1	NCBI protein id: NP_020650441	NCBI protein id: NP_020656989.1	NCBI protein id: NP_020665272.1	NCBI protein id: NP_020636089.1	NCBI protein id: NP_020636087.1
Taiwan habu	<i>Protonotrops mucronatus</i>	NCBI protein id: XP_015675666.1	NCBI protein id: NP_015680516.1	NCBI protein id: NP_015672141.1	NCBI protein id: NP_015662155.1	NCBI protein id: NP_015680119.1	NCBI protein id: NP_015673444.1	NCBI protein id: NP_015676797.1	x	NCBI protein id: NP_015680312	NCBI protein id: NP_015684088.1
Gecko	<i>Gekko japonicus</i>	NCBI protein id: XP_008118141.1	NCBI protein id: XP_015278033.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_015278033.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_015279412.1	NCBI protein id: NP_015272246.1	NCBI protein id: NP_015272245.1
Painted turtle	<i>Chrysemys picta bellii</i>	NCBI protein id: XP_005289622.1	NCBI protein id: NP_008117291.1	NCBI protein id: XP_005297342.1	NCBI protein id: NP_005293248.2	NCBI protein id: NP_005281259.1	NCBI protein id: NP_008165301.1	NCBI protein id: NP_005287710.1	NCBI protein id: NP_005279396.1	NCBI protein id: NP_005303505.1	NCBI protein id: NP_005303507.1
Softshell turtle	<i>Apalone spinifer</i>	NCBI protein id: XP_008118141.1	x	NCBI protein id: XP_008118141.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_008118141.1	NCBI protein id: NP_006112349.1	NCBI protein id: NP_006138221.1	NCBI protein id: NP_006138225.1
American alligator	<i>Alligator mississippiensis</i>	NCBI protein id: XP_003935553.1	NCBI protein id: XP_006268632.2	NCBI protein id: NP_019339451.1	NCBI protein id: NP_019331891.1	NCBI protein id: NP_014464318.1	NCBI protein id: XP_014453699.1	NCBI protein id: KY024684.1	NCBI protein id: KY028679.1	NCBI protein id: NP_019335753.1	NCBI protein id: KY05825.1
Chinese alligator	<i>Alligator sinensis</i>	NCBI protein id: XP_014303881.1	NCBI protein id: XP_008024871.1	NCBI protein id: NP_014303881.1	NCBI protein id: NP_014303881.1	NCBI protein id: NP_014303881.1	NCBI protein id: NP_014303881.1	NCBI protein id: NP_014303881.1	NCBI protein id: NP_006038716.1	NCBI protein id: NP_006024875.1	NCBI protein id: NP_006024876.1
Gharial	<i>Gavialis gangeticus</i>	NCBI protein id: XP_019372092.1	NCBI protein id: XP_019367861.1	NCBI protein id: XP_019363424.1	x	NCBI protein id: NP_019368938.1	NCBI protein id: NP_019371719	NCBI protein id: NP_019375775.1	x	NCBI protein id: NP_019381909.1	NCBI protein id: NP_019381807.1
Green sea turtle	<i>Chelonia mydas</i>	NCBI protein id: XP_007071621.1	NCBI protein id: XP_007072052.1	NCBI protein id: XP_007054699.1	NCBI protein id: XP_007068433.1	NCBI protein id: NP_007072169.1	NCBI protein id: NP_007059407.1	NCBI protein id: NP_007057509.1	x	NCBI protein id: NP_007058167.1	NCBI protein id: NP_007058166.1
tropical clawed frog	<i>Xenopus tropicalis</i>	NCBI protein id: XP_002941174.2	NCBI protein id: NP_002934323.2	NCBI protein id: NP_001136381.1	NCBI protein id: XP_002935827.3	NCBI protein id: NP_989533.1	NCBI protein id: NP_017949732	NCBI protein id: NP_01096419.1	NCBI protein id: NP_001001903.1	NCBI protein id: NP_004911281.1	NCBI protein id: NP_012827249.1
African clawed frog	<i>Xenopus laevis</i>	NCBI protein id: NP_001081571.1	NCBI protein id: NP_001088535.1	NCBI protein id: NP_001091195.1	NCBI protein id: NP_001088536.1	NCBI protein id: NP_001085592.1	x	NCBI protein id: NP_01086418.1	NCBI protein id: CAAS4672.1	NCBI protein id: ACY24354.1	x
Tibetan frog	<i>Nanorana parkeri</i>	NCBI protein id: XP_01842352.1	NCBI protein id: NP_01842531.1	NCBI protein id: NP_018429020.1	NCBI protein id: NP_018412784.1	NCBI protein id: NP_018423983.1	NCBI protein id: NP_018414321.1	NCBI protein id: NP_018419253.1	NCBI protein id: NP_018431451.1	NCBI protein id: NP_018418337.1	x
Cod	<i>Gadus morhua</i>	Ensembl: ENSGMOG00000014929.1	Ensembl: ENSGMOG00000010852.1	BLASTN in Ensembl	Ensembl: ENSGMOG00000014240.1	Ensembl: ENSGMOG00000012243.1	Ensembl: ENSGMOG00000008049	Ensembl: ENSGMOG00000012748	BLASTN in Ensembl	NCBI protein id: Ensembl: ENSGMOG00000014713.1	x
Tilapia	<i>Oreochromis niloticus</i>	NCBI protein id: XP_003449904.1	NCBI protein id: XP_005478770.1	NCBI protein id: XP_005478903.1	NCBI protein id: XP_003449312.1	NCBI protein id: NP_003449826.1	NCBI protein id: NP_003439882.2	NCBI protein id: NP_005454675.1	NCBI protein id: NP_005463885.1	NCBI protein id: NP_019208071.1	NCBI protein id: NP_003454237.1
spotted gar	<i>Lepisosteus oculatus</i>	NCBI protein id: XP_0152071493.1	NCBI protein id: NP_015195173.1	NCBI protein id: XP_006530852.1	NCBI protein id: NP_015196298.1	x	NCBI protein id: NP_015217885.1	NCBI protein id: NP_006280293.1	NCBI protein id: NP_015196219.1	NCBI protein id: NP_015200728.1	NCBI protein id: NP_006280293.1
Medaka	<i>Oryzias latipes</i>	NCBI protein id: XP_004083528.1	NCBI protein id: NP_011484327.1	NCBI protein id: NP_004077552.1	NCBI protein id: NP_011481038.1	NCBI protein id: NP_004079352.1	NCBI protein id: NP_004077078.1	NCBI protein id: NP_001153937.1	NCBI protein id: NP_001098212.1	NCBI protein id: NP_020667248.1	NCBI protein id: NP_011480815.1
southern platyfish	<i>Xiphophorus maculatus</i>	NCBI protein id: XP_008098201.1	NCBI protein id: NP_005798607.1	NCBI protein id: NP_005795318.1	NCBI protein id: NP_005804579.1	NCBI protein id: NP_005797215.1	NCBI protein id: NP_005814190.1	NCBI protein id: NP_001273216.1	NCBI protein id: NP_001273218.1	NCBI protein id: NP_014325970.1	NCBI protein id: NP_005807205.1
guppy	<i>Poecilia reticulata</i>	NCBI protein id: XP_008396253.1	NCBI protein id: XP_008432237.1	NCBI protein id: XP_008429238.1	NCBI protein id: XP_008424361.1	x	NCBI protein id: NP_008396253.1	NCBI protein id: NP_008396677.1	NCBI protein id: NP_008433635.1	NCBI protein id: NP_008434034.1	NCBI protein id: NP_008429654.1
Fugu	<i>Takifugu rubripes</i>	NCBI protein id: XP_003971725.1	NCBI protein id: XP_003972920.2	NCBI protein id: XP_003963777.1	NCBI protein id: XP_003968						