

S1-Like

Homo sapiens ORVFTGVVTKLHDTFGFVDEDDVFFOLSAVKGKTPQVGDRLVVEATYNNPMPFKWNAOR
Pan troglodytes ORVFTGVVTKLHDTFGFVDEDDVFFOLSAVKGKTPQVGDRLVVEATYNNPMPFKWNAOR
Equus caballus ORVFTGVVTKLHDTFGFVDEDDVFFOLSAVKGKTPQVGDRLVVEATYNNPMPFKWNAOR
Mus musculus ORVFTGVVTKLHDTFGFVDEDDVFFOLSAVKGKTPQVGDRLVVEATYNNPMPFKWNAOR
Anolis carolinensis ORVFTGVVTKLHDTFGFVDEDDVFFOLSAVKGKTPQVGDRLVVEATYNNPMPFKWNAOR
Danio rerio ORVFTGVVSKLHDTFGFVDEDDVFFOLSAVKGKTPQVGDRLVVEATYNNPMPFKWNAOR
Caenorhabditis elegans ORVFTGVVTKMLDITYGFVDDDDVFFOHSVIRGSHPRVGDKVMVEANYNPNSMPFKWNAV

NLS

Homo sapiens RERERRRRSRERSPOQRKRSRERSPRRERERSPPRRVRR
Pan troglodytes RERERRRRSRERSPOQRKRSRERSPRRERERSPPRRVRR
Equus caballus RERERRRRSRERSPOQRKRSRERSPRRERERSPPRRVRR
Mus musculus RDRERRRRSRERSPOQRKRSRERSPRRERERSPPRRVRR
Anolis carolinensis RERERRRRSRERSPOQRKRSRERSPRRERERSPPRRVRR
Danio rerio RERERRRRSRERSPMRKRSDRSPPREER--SPRRVRR
Caenorhabditis elegans APAKNDRK RERESP--SGSIVAPISVRRRESASP RRARR

LZ

Homo sapiens LRRRYONLYIPSDFFDAOETWVDAEPL
Pan troglodytes LRRRYONLYIPSDFFDAOETWVDAEPL
Equus caballus LRRRYONLYIPSDFFDAOETWVDAEPL
Mus musculus LRRRYONLYIPSDFFDAOETWVDAEPL
Anolis carolinensis LRRRYONLYIPSDFFDAOETWVDAEPM
Danio rerio LRRRYOSLYIPSDFFNAVETWVDAEPL
Caenorhabditis elegans LRHRYSKLYLPSDYVDLSFDWVRSRQIL

Nudix

Homo sapiens HOHPARLVK---EAVGMKGGDEAMAIGGWSPSLDGPDPEKDPVVIKLAIRCCAKATGIDLSVCHTOWYRFAETIRYRPEETHKGRIVPAHVETVLEHFPDVF-WHCLEPTR-SEN
Pan troglodytes HOHPARLVK---EAVGMKGGDEAMAIGGWSPSLDGPDPEKDPVVIKLAIRCCAKATGIDLSVCHTOWYRFAETIRYRPEETHKGRIVPAHVETVLEHFPDVF-WHCLEPTR-SEN
Equus caballus HOHPARLVK---EAVGMKGGDEAMAIGGWSPSLDGPDPEKDPVVIKLAIRCCAKATGIDLSVCHTOWYRFAETIRYRPEETHKGRIVPAHVETVLEHFPDVF-WHCLEPTR-SEN
Mus musculus HOHPARLVK---EAVGMKGGDEAMAIGGWSPSLDGPDPEKDPVVIKLAIRCCAKATGIDLSVCHTOWYRFAETIRYRPEETHKGRIVPAHVETVLEHFPDVF-WHCLEPTR-SEN
Anolis carolinensis HOHPARLVK---EAVGMKGGDEAMAIGGWSPSLDGPDPEKDPVVIKLAIRCCAKATGIDLSVCHTOWYRFAETIRYRPEETHKGRIVPAHVETVLEHFPDVF-WHCLEPTR-SEN
Danio rerio HOHPARLVK---EAVGMKGGDEAMAIGGWSPSLDGPDPEKDPVVIKLAIRCCAKATGIDLSVCHTOWYRFAETIRYRPEETHKGRIVPAHVETVLEHFPDVF-WHCLEPTR-SEN
Caenorhabditis elegans HOEPQSLIKNLHEAVGARGKHEIMGIGGSWSPSLDGADPEHDAVVIKLAIRCCAKATGIDLSVCHTOWYRFAETIRYRPEETHKGRIVPAHVETVLEHFPDVF-WHCLEPTR-SEN

SAP

Homo sapiens KTMKVNDLRKELESRALSSKGLKSOLIARLTKO
Pan troglodytes KTMKVNDLRKELESRALSSKGLKSOLIARLTKO
Equus caballus KTMKVNDLRKELESRALSSKGLKSOLIARLTKO
Mus musculus KAMKVNDLRKELESRALSSKGLKSOLIARLTKO
Anolis carolinensis KAMKVNDLRKELESRALSSKGLKSOLIARLTKO
Danio rerio KSMKVS DLRKELESRALSSKGLKSOLIARLTKO
Caenorhabditis elegans KSMKVAELRVELELRGLLETGKTKKLLVQRIQT

CC1

Homo sapiens EAEAEAD-EEDDRDEEEMTK---RDDKRDINRY
Pan troglodytes EAEAEAD-EEDDRDEEEMTK---RDDKRDINRY
Equus caballus EAEAEAD-EEDDRDEEEMTK---RDDKRDVINKY
Mus musculus EAEAEAD-EEDDRDEEEMTK---RDDKRDVINKY
Anolis carolinensis EAEAEAD-EEDDRDEEEMTK---RDDKRDVINKY
Danio rerio EAEDADDYDDDDKDEEDISNGRDRRDDRD-DRK
Caenorhabditis elegans FDSNLCGYLTKDKDIEEILYNGEFGISRQIQIKL

EF-Hand

Homo sapiens DVGSLLQKLEKSEKVRAEVEOKIQLLEEKTDDEDEKTLNLENENSKSLSGELREVKKDLSOLOENLKISEN MNLQFENOMNKTIRNLISF
Pan troglodytes DVGSLLQKLEKSEKVRAEVEOKIQLLEEKTDDEDEKTLNLENENSKSLSGELREVKKDLSOLOENLKISEN MNLQFENOMNKTIRNLISF
Equus caballus DVGSLLQKLEKSEKVRAEVEOKIQLLEEKTDDEDEKTLNLENENSKSLSGELREVKKDLSOLOENLKISEN MNLQFENOMNKTIRNLISF
Mus musculus DVGSLLQKLEKSEKVRAEVEOKIQLLEEKTDDEDEKTLNLENENSKSLSGELREVKKDLSOLOENLKISEN MNLQFENOMNKTIRNLISF
Anolis carolinensis DVGSLLQKLEKSEKVRAEVEOKIQLLEEKTDDEDEKTLNLENENSKSLSGELREVKKDLSOLOENLKISEN MNLQFENOMNKTIRNLISF
Danio rerio DVGSMMOKLEKSEKTRIEDIEOKIMQODVKMPEEDSKHLSELEAANRSLOKELDDVKNTRRETESKLTASDQRKGRPEOQLHSIVSSLDI
Caenorhabditis elegans KLNETSAGLTKSLODEN SALKOALLODCRHADRI FSVVEKVMPPPPKKEEKS KDKDEKTKDKKDD-KVSEKSAEKSTEFPSQEV PASAE

CC2

Homo sapiens DLLMA-----FVYFDO--SHCGYILEKDLFEELYTI GLHLSRAOVKKLINKV
Pan troglodytes DLLMA-----FVYFDO--SHCGYILEKDLFEELYTI GLHLSRAOVKKLINKV
Equus caballus DLLMA-----FVYFDO--SHCGYILEKDLFEELYTI GLHLSRAOVKKLINKV
Mus musculus DLLMA-----FVYFDO--SHCGYILEKDLFEELYTI GLHLSRAOVKKLINKV
Anolis carolinensis DLLMA-----FVYFDO--SHCGYILEKDLFEELYTI GLHLSRAOVKKLINKV
Danio rerio DLLMA-----FVYFDO--SHCGYILEKDLFEELYTI GLHLSRAOVKKLINKV
Caenorhabditis elegans NVRHTPGGADDV VETD DLRIGFCYNLAKSMEPA--DSGAAVKSSSEVSSASSDGV