

humanDDOST	MGYFRCARAGSFGRRRKMEPSTAARAWALFWLLLPLLGAVCASGPRTLVLLEDN-LNVRET	59
mouseDDOST	-----MKMDPRLAVRAWPLCGLLLAVLGVCASGPRTLVLLEDN-LNVRDT	44
zebrafishDDOST	-----MATALSGGFSKNALFILSAALMLQAVLGDGKTLVLLEDN-PNIRDT	44
drosophilaDDOST	-----MMWKALLIAVLAIAHCQAVLETDANTLVLLEDN-LAIRET	38
celegansDDOST	-----MRWLPGLLLIASIGFHQSLADRVLVLGET-AAVKDT	35
yeastDDOST	-----MRTDWNFFFCILLQAI FVVGTQTSRTLVLVDQSTEPLEE	39
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humanDDOST	HSLFFRSLKDRGFELTFKTADDPSSLIKYG--EFLYDNLIIIFSP-SVEDFGGNINVETI	116
mouseDDOST	HSLFFRSLKDRGFELTFKTADDPSSLIKYG--EFLYDNLIIIFSP-SVEDFGGNINVETI	101
zebrafishDDOST	HSIFFRSLADRGFDLTFKTADDPGLSLIKYG--QFLYDHLILFSP-SVEDFGGNINVETI	101
drosophilaDDOST	HSIFFKSLQDRGFKLTYKLADDSSLLLSKYG--EYLYKNVIIIFAP-SVEEFGGDVSVERL	95
celegansDDOST	HSVFLNSVKERGHELTSRAADDSQLALFKHG--QLIFDHLFILAP-GVQVFGGSLSPSEI	92
yeastDDOST	YSVYLKDLEQRNYKLEYLDINSTTTVDLYDKEQRLFDNIIVFPTKGGKNLARQIPVKQL	99
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humanDDOST	SAFIDGGGSVLVAASS-DIGDPLRELGSECGIEFDEEKTAVIDHHNYDIS-DLGQHTLIV	174
mouseDDOST	SAFIDGGGSVLVAASS-DIGDPLRELGSECGIEFDEEKTAVIDHHNYDVS-DLGQHTLIV	159
zebrafishDDOST	TAFIDGGGNVLVAASS-DIGDPLRELGSECGIEFDEEKTAVIDHHNYDIS-DPGEHTLIV	159
drosophilaDDOST	AQFVDDGGNVLVAGSE-KSGDALREFASECGFELDEENAAVIDHLHYDVS-DAGEHTTIL	153
celegansDDOST	SKFVDAGGNVLVAAGS-NIGDALREIAAEHGFEEFEEAGTSVIDHHNYDQTLDSGDHTTLV	151
yeastDDOST	IKFFENEGNILCMSSPGAVPNTIRLFLNELGIYPSPKGHVIRDYFSPSSE-----ELV	152
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humanDDOST	ADTENLLKAPTIVGKSS----LNPILFRGVGMVADPDNPLVLDILTGSSTSYSFFPDKPI	230
mouseDDOST	ADTENLLKAPTIVGKSS----LNPILFRGVGMVADPDNPLVLDILTGSSTSYSFFPDKPI	215
zebrafishDDOST	ADPENLLKAPTIVGKPT---DKPVLFKGVGMVADPDNPLVLDILTGSSTSYSYFPDRPI	215
drosophilaDDOST	TSAKNLIQADTIVGKANRQADAAPLLYRGTLIADKENPLVLKLLTAESTAYSYNPEASV	213
celegansDDOST	VGKDQLISAELIVGNSAK---LHPVLFKGIGLVAGKTNNLALSIVRASGTAYSYPKAVR	208
yeastDDOST	VSSNHLNKKYVYNARKS----EDFVFGESSAALLENREQIVPILNAPRTSFTESKGK--	205
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humanDDOST	TQYPHAVGKNTLLIAGLQARNNARVIFSGSLDFFSDSFFNSAVQKAAPGSQRYSQTGNYE	290
mouseDDOST	TQYPHAVGRNTLLIAGLQARNNARVIFSGSLDFFSDAFFNSAVQKATPGAQRYSQTGNYE	275
zebrafishDDOST	TQYPHAVGKNTLLIAGLQARNNARVVFSGSLHFFSDAFFNSAVQKAATGSKRYEQTGNOQD	275
drosophilaDDOST	SDYPHAVGRGTLIIAALQARNNARVVFSGSLFFSDESFTTAVQYAQSG-VFHKLAGNRD	272
celegansDDOST	ATNPSIAGSRTLLVGGLQSRNNARIVFTGSSELSNTFFSAKTNSVNPS-VQGAQSGNAD	267
yeastDDOST	-CNSWTSGSQGFLVVGFQNLNNARLVWIGSSDFLKNK-----NQDSNQE	248
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humanDDOST	LAVALSRWVFKEEGVLRVGPVSHHRVGETAPPN-AYTVTDLVEYSIIVIQQLSNGKWVPFD	349
mouseDDOST	LAVALSRWVFKEEGVLRVGPVSHHRVGEMAPPN-AYTVTDLVEYSIIIEQLSNGKWVPFD	334
zebrafishDDOST	LAEALSRWVFKEAGVLRVGDVTHHPVGESTPPA-AYTVTDLVEYGIVIEMLSGGKWVPFD	334
drosophilaDDOST	VAESISKWVFGETGRLRVASVQHHKEGELLPPDQAYTITDPVVYTIGIEELVQGEWRAFK	332
celegansDDOST	FATAITRWVMKESGVLRVKTVNHHKKGETVPPVEGYFITEDVVYTIEIEELKNGKWVPFQ	327
yeastDDOST	FAKELLKWTFNEKSVIKSVHAVHSHADGTSYDEEPIKIKDKVIYSVGFSEWNGEELPHI	308
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humanDDOST	GDDIQLEFVRIDPFVRTFLKK-----KGGKYSVQFKLPDVYGVFQFKVDYNRLGYTHLY	403
mouseDDOST	GDDIQLEFVRIDPFVRTFLKR-----KGGKYSVQFKLPDVYGVFQFKVDYNRLGYTHLY	388
zebrafishDDOST	GDDIQLEFVRIDPFVRTYLKK-----NGGKYSVQFKLPDVYGVFQFKVDYNRLGYTHLY	388
drosophilaDDOST	ASDIQLEFVRIDPFVRTYLKQT-----NTGAYQAKFKIPDVYGVYQFKVDYNRVGYTHLY	387
celegansDDOST	GKDVQLEFVRIDPFVRATLKN-----SNGRLSVAFKLPDVLGVFKFLVDYRRVGYTHLY	381
yeastDDOST	ADDIQFELRQVDPYYRLTLSPSGNDSETQYYTTGEFILPDRHGVFTFLTDIRKIGLSFTT	368
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humanDDOST	SSTQVSVRPLQHTQYER--FIPSAYPYYASAFSMMMLGLFIFSIVFLHMK-----E	451
mouseDDOST	SSTQVSVRPLQHTQYER--FIPSAYPYYASAFSMMAGLFIFSIVFLHMK-----E	436
zebrafishDDOST	SSTQVSVRPLQHTQYER--FIPSAFPYYASAFSMMAGLFVFSVVFLHMR-----E	436
drosophilaDDOST	STTQVSVRPLEHTQYER--FIPSAFPYYTSAFSMMIGVFVFSFVFLHFKDEPVG-RAAKE	444
celegansDDOST	DVQQVSVRPLWHTQYER--FIRSAYPYYASSFSMMAGLVLF SIVYLYHKDTPVKGAKVLD	439
yeastDDOST	DKDVKAIRHLANDEYPRSWEISNSWVYISAICGVIVAWIFFVVVSFVTTSSVG---KKLET	425
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humanDDOST	KEKSD	456
mouseDDOST	KEKSD	441
zebrafishDDOST	KEKSD	441
drosophilaDDOST	DKKSQ	449
celegansDDOST	SEKKK	444
yeastDDOST	FKKTN	430
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