

CLUSTAL 2.0.9 multiple sequence alignment of FKBP36s

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NP_003593      GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003815624   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003777068   GVLKDVIREGGG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003276647   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003895916   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
EHH17242       GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_001110932   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_011785750   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
NP_001128683   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_017713171   GVLKDVIREGAG--DLVVPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_010385752   GVLKDVIREGAG--DLVVPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_002817917   GVLKDVIREGGG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_004045599   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_008979905   GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_016868230   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003794239   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDRPFDSN-CFRKT--PRLMKLGE-
XP_012597698   GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_011931834   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003895917   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_008016547   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003934167   GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_012495716   GVLKDVIREGAG--DLVTPDA-SVI-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_012304459   GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_022357643   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRRT--PRLMKLGE-
XP_010385754   GVLKDVIREGAG--DLVVPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_017895560   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_005892900   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_010852603   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_546928      GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_005225237   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_021556246   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_011978492   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
NP_001296390   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_011959859   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_006942097   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_007100028   GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKAFDSN-CFRKT--PRLMKLGE-
XP_005972253   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_019277206   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_014705926   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_008540619   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_020752493   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_014988800   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_011785755   GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_022444356   GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_008979887   GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_004399150   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-WFRKT--PRLMKLGE-
XP_004268847   GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_019659608   GVLKDVIREGAG--ELVTPDA-AVL-VKYSGYLEHMDKPFASN-CFRKT--PRLMKLGE-
XP_024602986   GVLKDVIQEGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_007186614   GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_014652016   GVLKDVIREGAG--ELVTQDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_012597701   GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004761711   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004317177   GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_005892901   GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-

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XP_017895559	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_005662030	GVLKDVIREGTG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_010852604	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_010852602	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
EPY83956	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--LRLMKLGE-
NP_001095679	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_008139950	GVLKDVIREGAG--ELVMPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGV-
XP_010970644	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--LRLMKLGE-
XP_004021020	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_015450070	GVLKDIIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CLRKT--PRLMKLGE-
XP_017516100	GVLKAVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-YFRKT--PRLMKLGE-
XP_010342933	GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_006057167	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_019843968	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_006201442	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--LRLMKLGE-
XP_005972252	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004380900	GVLKDVIREGTG--GLVTPDA-SVL-VKYSGYLEHMDRPFDSN-CFRKT--PRLMKLGE-
XP_007468850	GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_007100027	GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKAFDSN-CFRKT--PRLMKLGE-
XP_008966786	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_020017458	GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CYRKT--PRLMKLGE-
XP_006088351	GVLKDVIREGAG--ELVVPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGV-
XP_020752496	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_022444355	GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_006773483	GVLKDVIREGAG--ELVVPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGV-
XP_012304461	GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_008591583	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_016054558	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGV-
XP_011369980	GVLKDIIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CLRKT--PRLMKLGE-
XP_004268849	GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_024602987	GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_019610492	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004317179	GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_006889852	GVLKDVIREGVG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CYRKT--PRLMKLGE-
XP_007940604	GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_014411577	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--LRLMKLGE-
XP_007073943	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_006155025	GVLKHVIREGAG--ELVPPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_005328656	GVLKDVIREGTG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_011765609	GVLKDVIREGAG--DLVAPDA-SVLGVPWGG-----LSAG-SMSSH--SLFLCLLT-
XP_010979058	GVLKDVIREGTG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--LRLMKLGE-
XP_006249193	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_002722023	GVLKDVIREGVG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKS--PRLMKLGE-
XP_005344683	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-YFRKA--PRLMKLGE-
XP_020941978	GVLKDVIREGTG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_006859898	GVLKDVIREGTG--DLVTPDA-AVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_005549416	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_024427494	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_016001971	GVLKDIIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CLRKT--RLMKLGE-
XP_007468849	GVLKDVIREGSG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_014988802	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_012584338	GVLKDVIREGAG--ELVTPEA-SVL-VKYSGYLEHMDKPFDSN-CFRRV--PRLMKLGE-
XP_006971358	GVLKDVIREGTG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004620930	GVLKDVIREGVG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CSRKT--PRLMKLGE-
XP_008696858	GVLKDVIREGAG--ELVTPDA-AVL-VKYSGYLEHMDKPFASN-CFRKT--PRLMKLGE-
XP_021018812	GVLKDIIREGTG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_012782940	GVLKDVIREGVG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_019502388	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKV--PRLMKLGE-

XP_021042681	GVLKDVIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--HRLMKLGE-
NP_001264821	GVLKDIIREGTG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_021519217	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKA--PRLMKLGE-
XP_005344682	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-YFRKA--PRLMKLGE-
NP_001349718	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
NP_001099392	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_005396843	GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_019502390	GVLKDVVREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKV--PRLMKLGE-
XP_006971357	GVLKDVIREGTG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_008966787	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003500991	GVLKDIIREGAG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_008846596	GVLKNVIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_021563404	GVLKDVLRGSG--DLVTPDA-SVL-VKYSGYLEHVDKPFDSN-CFRKT--PQLMKLGM-
XP_018887307	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_021018806	GVLKDIIREGTG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_017176678	GVLKDIIREGTG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
NP_291049	GVLKDIIREGTG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_021042679	GVLKDVIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--HRLMKLGE-
XP_010617304	GVLKDVIREGAG--DLVTPDA-SVL-VKYSAYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_021519216	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKA--PRLMKLGE-
XP_023420891	GVLKDVIREGAA--DLXTPTP-LXL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_006155027	GVLKDVIREGAG--ELVPPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_011765605	GRWRQLERNDEC--LLVAPEWNAAI-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_015302699	GRWRQLERNDEC--LLVAPEWNAAI-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_011765611	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_012597702	GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_014988803	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_010617307	GVLKDVIREGAG--DLVTPDA-SVL-VKYSAYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004666244	GVLKDVIREGTG--DAVTPDA-TVL-VKYSGYLEHMDKPFDSN-YFRKT--PRLMKLGE-
XP_004630630	GVLKDVIREGAG--DLVTREA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004840130	GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_014403986	KRRRDVTEVRVL--VHFSVSVPSVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGV-
XP_016800790	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_014988804	-----MDRPFDSN-YFRKT--PRLMKLGE-
ELK06863	GVLKDIIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CLRKT--PRLMKLGE-
EH08283	GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_004706046	GVLKDVLRGTG--DLVAPDS-SVL-VKYSGYLEHMDKPFDSN-YFRKT--PRLMKLGE-
XP_021110082	GVLKDVIREGAG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_007518064	GVLKDVIREGAG--ELVAPDA-SVL-VKYSGYLEHMDKPFDSN-SYRKT--PRLMKLGE-
PN192595	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_020861399	GVLKEVIREGAG--DLVMPDA-SVL-VKYSGYLEHMDKPFDTN-CFRKI--PRLMKLGE-
XP_016284889	GVLKEVIREGSG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CYRKI--PRLMKLGE-
XP_016284888	GVLKEVIREGSG--DLVTPDA-SVL-VKYSGYLEHMDKPFDSN-CYRKI--PRLMKLGE-
XP_001519210	GVLKEIIREGAG--ELVPPDA-SVS-VKYAGYLEHMDQPFDTN-WYRKL--PRLMKLGE-
XP_020861404	GVLKEVIREGAG--DLVMPDA-SVL-VKYSGYLEHMDKPFDTN-CFRKI--PRLMKLGE-
XP_014425414	GVLKEVIRAGTG--EMVPQDA-SVV-VKYSGYLEYMDKPFDTN-SYRRN--PRLMKLGE-
XP_004761713	GVLKDVIREGAG--ELVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_007441600	GVLKEIIRNGSG--ETVPPDA--SVLVKFSGYLEHMDRPFDTN-CFRKN--PKLMKLGD-
XP_016080873	GVLKEIIREGAG--ELVPPDA-SVS-VKYAGYLEHMDQPFDTN-WYRKL--PRLMKLGE-
XP_024066689	GVLKEVIRAGAG--EIVPQDA-SVL-VKYSGYLEYVDKPFDTN-WYRRN--PRLMKLGE-
XP_019365238	GVLKEVVNTGSG--ELVPHDA-SVL-VKYSGYLEYMDKPFDTN-RYRRS--SRLMKLGK-
XP_019401968	GVLKEVVRTGSG--ELVPRDA-SVL-VKYSGYLEYMDKPFDTN-RYRRS--SRLMKLGK-
XP_013926437	GVLKEIIRDGSG--ETVPPDS--SVLVKFSGYLEHTDRPFDTN-WFKKN--SKLMKLGE-
XP_019401969	GVLKEVVRTGSG--ELVPRDA-SVL-VKYSGYLEYMDKPFDTN-RYRRS--SRLMKLGK-
XP_015269029	GVLKEVIRAGAG--DVVPAEA--SVLVKFSGYLEHMDRPFDTN-CFKKN--LRLMKLGE-
XP_014464913	GVLKEVVRVGSG--ELVAPDA-SVL-VKYSGYLEYMDKPFETN-CYRRS--SRLMKLGK-
XP_006258869	GVLKEVVRVGSG--ELVAPDA-SVL-VKYSGYLEYMDKPFETN-CYRRS--SRLMKLGK-
XP_005344684	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-YFRKA--PRLMKLGE-

XP_015670323	GVLKEIIRNGSG--ETVPPDS--SVLVKFSGYLEHTDRPFDTN-WFKKN--PKLMKLGE-
XP_020662988	GVLKEIIRAGYG--EVVPQDA--SVLVKFSGYLEHMDRPFDTN-CFRKN--PKLMKLKG-
XP_007065519	GVLKEVIRAGAG--EMVPQDA-SVL-VKYSGYLEYMDKPFDTN-WYRRN--PRLMKLGE-
XP_020662989	GVLKEIIRAGYG--EVVPQDA--SVLVKFSGYLEHMDRPFDTN-CFRKN--PKLMKLKG-
XP_020662990	GVLKEIIRAGYG--EVVPQDA--SVLVKFSGYLEHMDRPFDTN-CFRKN--PKLMKLKG-
XP_025051231	GVLKEVVHVGSG--ELVARDA-SVL-VKYSGYLEYMDKPFETN-CYRRS--SRLMKLKG-
KY033272	GVLKEVVRVGSG--ELVAPDA-SVL-VKYSGYLEYMDKPFETN-CYRRS--SRLMKLKG-
XP_021018814	GVLKDIIREGTG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
OBS57796	GVLKDIIREGAG--DPVTPDA-S-----YMDKPFDSN-CFRKT--PRLMKLGE-
NP_001264822	GVLKDIIREGTG--DTVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--PRLMKLGE-
XP_021042683	GVLKDVIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKT--HRLMKLGE-
XP_021519218	GVLKDIIREGAG--DPVTPDA-SVL-VKYSGYLEHMDKPFDSN-CFRKA--PRLMKLGE-
XP_024653358	GRWRQLERNDEC--LLVAPEWNAAI-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_009678488	GVLKEVLRGAG--ELVPPDA--SVAVKYSGYLEYAEEPFCFN-CYRKL--PRLMKLKG-
XP_015302701	GRWRQLERNDEC--LLVAPEWNAAI-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_003770271	-PSRSQDPGAAA--GWPRSDS-GSS-VKYSGYLEHMDKPFDTN-CYRKV--PRLMKLGE-
ETE73718	GVLKEIIQDGS--ETVPPDS--SVLVKFSGYLEHTDRPFDTN-WFKKN--PKLMKLGE-
NP_989052	GVLKEVIRPGKG--GKVPCDA-TVI-LKYSGYLEHADKPFDTN-CYRRH--PKMMKLGE-
NP_001085204	GVLKEVIRPGKG--GKVPCDA-TVI-LKYSGYLEHADKPFDTN-CYRRH--PRMMKLQ-
XP_011592867	GVLKEELRPGSG--QAVPPAA--SVAVKYSGYLEHWDEPFCTN-YYSKF--PGLMKLKG-
XP_010584273	GVLKEELRPGTG--QAVPPAA--SVAVKYSGYLEHWDEPFCTN-YYSRF--PGLMKLKG-
XP_017946629	GVLKEVIRPGKG--GKVPCDA-TVI-LKYSGYLEHADKPFDTN-CYRRH--PKMMKLGE-
XP_008109385	GVLKEILRDGCG--ETVPPGA--SVLIKFSGYLEHMDRPFDTN---CSWKD--PRLMKLQ-
XP_021271278	GVRKELLRHGTG--QVPPAA--TVAVKYSGYLEHMEKPFCTN-CTKKL--PRLMKLGE-
XP_023074397	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_015151391	GVRKQVLRPGTG--QVPPAA--TVAVKYSGYLEHMEKPFCTN-CTKKL--PRLMKLKG-
XP_018100492	GVLKEVIRPGKG--GKVPCDA-TVI-LKYSGYLEHADKPFDTN-CYRRH--PRMMKLQ-
POI24993	GVRKQVLRPGTG--QVPPAA--TVAVKYSGYLEHMEKPFCTN-CTKKL--PRLMKLKG-
PNI92596	GVLKDVIREGAG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_015736491	GVRKELLRPGTG--QLVPPAA--TVAVKYFGYLENMEKPFCTN-CTKKL--PKLMKLGE-
XP_010283169	GVRKEELRPGIG--QAVPPAA--SVAVKYSGYLENGDEPFCTN-CYSKS--PGLMKLKG-
PNJ85879	GVLKDVIREGGG--DLVAPDA-SVL-VKYSGYLEHMDRPFDSN-YFRKT--PRLMKLGE-
XP_018412624	GVLKEIIRAGCG--ETVPIDS-TII-AKYSGYLEHSDKPFDTN-WFRN--PRLMKLGE-
XP_010211497	PVSERELRVLVR--EPCRFGD--ALAVKYSGYLEYADEPFCTN-CYRKV--PRLMKLKG-
XP_017388864	GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_008109386	GVLKEILRDGCG--ETVPPGA--SVLS----YLEHMDRPFDTN---CSWKD--PRLMKLQ-
XP_014342809	GVLKEVIQAGAG--EMVPPSA-SVA-VNFSGYLEYLDKPFDTN-CNKRN--PRLMKLGE-
KFV84016	GVLKEVLRGAG--ELVPPDA--SVAVKYSGYLEYAEEPFCFN-CYRKL--PRLMKLKG-
XP_013812139	ARGPQQPAADGP--CSGTGER--FATVKYSGYLEYADEPFCTN-CYRKL--PRLMKLKG-
XP_009643249	-----MSEDRS--SAPVKYSGYLEHRDEPFCTN-CYSKS--PGLMKLKG-
XP_009928379	-----KYSGYLEHWDEPFCTN-YYSRF--PGLMKLKG-
XP_010124464	-----TYSGFLEHLDEPFCTN-RYGAS--PGLLKLKG-
XP_009321903	-----MLV--VTRDGF--LWRLKYTGYLEHWDEPFCTN-CYSKS--PGLMKLKG-
XP_009807780	-----KYSGYLEHCNEPFCTN-GYSKS--PGLMKLKG-
XP_009512874	-----KYSGYLEHWNEPFCTN-CYSKS--PGLMKLKG-
XP_009586283	-----KYSGYLEHWKPFCTN-CYSKS--PRLMKLKG-
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XP_009698973	-----KYSGYLEHGDEPFCTN-CYSKS--PGLMKLKG-
XP_009901738	GVCKHVLRSRG--QLVPPNS--SVEVKYSGYLESDKPFCTN-RNHKV--PELMKLKG-
XP_012887159	GVLKDIIREGAG--DLVAPDA-LVL-VKFSGYLEHMDKPFDSN-CYRKT--PRLMKLGE-
XP_009940812	-----M--DILSRTG--ISSMNYSGYLEHGDEPFCTN-SYSKF--PRLMKLKG-
XP_002187983	GVRKEQLRPGNG--QVPPDA--SVAVKYSGYLGWNKLFCSN-GNSKY--PRLMKLKG-
XP_009887190	-----MSREAHW--GFLMKYSGYLEHRDEPFCTN-GYSKS--PRLMKLKG-
XP_009486380	-----KYSGYLEHWKPFCTN-CYSKS--SGLMKLKG-
KGL76252	-----AVKYSGYLEYADEPFCTN-CYRKV--PRLMKLKG-
XP_010306733	-----KYSGYLEHRDKPFCTN-CYSKF--PGLMKLKG-
XP_008979919	GVLKDVIREGAG--DLVAPDA-TVL-VKYSGYLEHMDRPFDSN-CHRRT--PKLMKLGE-
XP_009998510	-----MLLMA--LSLVNYFGYLEHRDEPF--TK-CCSKF--PKLMKLKG-

XP_009463122	PSGAFAWPACQT--ACSP PQG--RPAVKYSGYLEQCDEPFCTN-CYSKF--PGLMKLGK-
XP_007894626	GALKETLRSGSG--PVVPADA--LVS VYYSAYVEHANEPFDSN-VHRKV--PGFMKLGR-
XP_010022120	-----KFS GYLEQDQHKPFCTN-CYSKS--PGLMKLGK-
XP_010083598	-----RYS GYLEGSDEPFCTN-CNRKY--PRLMKLGR-
XP_010194269	-----KFS GYLEQSDEPFCTN-CKS----PRLVKLGK-
XP_009962683	-----KYS GYLEHSDEPFCTN-CYSKF--PELMKLGK-
KFP29338	-----VKFS GYLEQSDEPFCTN-CKS----PRLVKLGK-
XP_010147897	-----MNA--SVAVKYSGYLEQQDEPFCTN-CNSRS--PGLMKLGR-
KFQ39479	GVCKEELYPGSG--QVVPNA--SVEVKYSGYLDHWDKPFCTN-RH-----PELLKL GK-
EOB04024	-----VKYS GYLEHADEPFCTN-CTTKL--PRLMKLGE-
XP_023675251	GVLKEVIQNGEG--QLIPMDA--SVLIHFS GYLEYS DRPFESN-NRSKH--PPMMKLGR-
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XP_008944700	-----KYS GYLEGSDEPFCTN-GNSKF--PELMKLGK-
KFP93140	-----VKYS GYLEHWDEPFCTN-YYSRF--PGLMKLGK-
KFP44723	-----AVTYS GFLEHLDEPFCIN-RYGAS--PGLLKL GK-
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XP_021396070	GVRKEQLRPGTG--QPVPPGA--SVAVKYSGYLG NWNKLFCSN-GNSKY--PRLMKLGK-
XP_010143455	-----KYS GYLEHSDEPFCTN-YHHKV--SKLMKLGR-
KFQ87275	-----AVKYS GYLEHWDEPFCTN-CYSKS--PGLMKLGK-
XP_010891852	GILKEVVQPGEG--QPVPRDS--SVSIHFS GFLEYS DRPFETT-NQLKY--PRMMKLGR-
XP_009863922	-----RYS GYLEHQDEPFCTN-WYDRS--HGLMKLGK-
KFW66808	-----VKYT GYLEHWDEPFCTN-CYSKS--PGLMKLGK-
XP_018591809	GVLKELVHGGDGGGRLCPRNA--TVHIQYS GYLEYS DRPFEST-AHFKH--PQMMKLGT-
KFP21064	-----VKYS GYLEHRDEPFCTN-CYSKS--PGLMKLGK-
KFZ64979	-----AVKYS GYLEHWDEPFCTN-CHSKS--PGLMKLGK-
KFW73903	-----VKYS GYLEHWNEPFCTN-CYSKS--PGLMKLGK-
KFM05579	-----VKYT GYLEHWDEPFCTN-CYSKS--PGLMKLGK-
KFV69563	GVCKHVLRSGTG--QLVPPNS--SVEVKYSGYLEDSDKPFCTN-RNHKV--PELMKLGK-
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XP_016346087	GILKEVVHAGEG--PPVPKHA--SVSIHFS GFIEYS DAPFETT-SHLKF--PRMMKLGR-
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KFW03341	GVRKKELWPAG--PTVPMNA--SVAVKYSGYLEQQDEPFCTN-CNSRS--PGLMKLGR-
KFV99355	-----VKYS GYLEHWDKPFCTN-CYSKS--PRLMKLGK-
AXB56102	GIRKEVLRPGSG--ELVPPDA--TVAVKYS GYLEGMEEPFC TY-QTKGF--PRLMKLGV-
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XP_019903677	GILKEVVQPGEG--QPVPRDS--SVSIHFS GFLEYS DRPFETT-NQLKY--PRMMKLGR-
KFU91562	-----VNYFGYLEHRDEPF- TK-CCSKF--PKLMKL GK-
XP_017314960	GIRKEVVREGE G--PLVPRDA--SVSVHFS GFLEYADQPFEST-RGSKF--PKMMKL GK-
XP_016393789	GILKEVVHAGEG--PPLPKHA--SVSIHFS GFIEYS DAPFETT-SLLKF--PRMMKLGR-
XP_009093115	GVRKEQLRPGTG--QPVPPSA--SVAVKYSGYLG NWNKLFCSN-GNSKY--PRLMKLGK-
XP_023869471	GILKEVVQPGEG--PPVPRDS--SVSIHFS GFLEYS DRPFETT-SHLKY--PRMMKLGR-
XP_019903679	GILKEVVQPGEG--QPVPRDS--SVSIHFS GFLEYS DRPFETT-NQLKY--PRMMKLGR-
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XP_014110391	GVRKERLCPGTG--QPVPPSA--SVAVKYSGYLG NWNKLFCSN-GNSKY--PRLMKLGK-
XP_017314964	GIRKEVVREGE G--PLVPRDA--SVSVHFS GFLEYADQPFEST-RGSKF--PKMMKL GK-
XP_019903676	GILKEVVQPGEG--QPVPRDS--SVSIHFS GFLEYS DRPFETT-NQLKY--PRMMKLGR-
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XP_020341240	GILKEVVQPGEG--PPVPRDS--SVSIHFS GFLEYS DRPFETT-SHLKY--PRMMKLGR-
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XP_024287707	GILKEVVQPGEG--PPVPRDS--SVSIHFS GFLEYS DRPFETT-SHLKY--PRMMKLGR-
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XP_016148031	GILKEVVHAGEG--PPVPKHA--SVSIHFS GFIEYS DAPFETT-SHLKF--PRMMKLGR-
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XP_023794776	GVRKERLCPGTG--QPVPPSA--SVAVKYSGYLGNNKLFCSN-GNSKY--PRLMKLGK-
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KFO13846	-----VKYSGYLEHRDKPFCTN-CYSKF--PGLMKLGK-
XP_020373313	GVLKEILRPGSG--SVIPSTA--SVSVHYSAYSEYTDKPFDSN-VQRDV--PRFMKLGR-
XP_006640997	GILKEVIHPGVG--QLVPENA--SVSFRYAGFLEYSDSPFESN-SYLKH--PRLMRLGR-
XP_020341239	GILKEVVQPGEG--PPVPRDS--SVSIHFSGFLEYSRPFETT-SHLKY--PRMMKLGR-
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KFV47875	-----VKYSGYLEHSDEPFCTN-CYSKF--PELMKLGR-
XP_022534491	GIFKEVIRAGDG--PAVQRDS--TVSVNFSAFLEYADQPFDS--THLKF--PKMMKLGR-
XP_021479426	GILKEVVQPGEG--PPVPRDS--SVSIHFSGFLEYSRPFETT-SHLKY--PRMMKLGR-
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XP_024997748	GVRKQVLRPGTG--QPVPPAA--TVAVKYSGYLEHMEKPFCTN-CTKKL--PRLMKLGK-
KFQ35533	-----PLP--LTLG-----CTVKYSGYLEGSDPEPFCTN-GNSKF--PELMKLGR-
XP_020459257	GILKEVVQPGEG--ASIPPNA--SILIIYSGFLEYSQPFETN-RDFKY--PRMMKLGR-
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XP_005917667	GILKEVVQPGEG--PPVPENA--SVLIHYSGFLEYSQPFETT-THLKY--PRMMKLGR-
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PWA27518	GILKEVVQPGEG--PPVPQNA--SVIMYYSGYLEYSNQPFEST-AHLQY--PPLMKLGR-
XP_003971664	GILKELVQAGDG--PPVPYNA--SVLMHYSGYLEYSNVPFETN-TYQRF--PKIMKLGR-
XP_005917666	GILKEVVQPGEG--PPVPENA--SVLIHYSGFLEYSQPFETT-THLKY--PRMMKLGR-
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XP_018551539	GILKEVVHPGEG--PPVPQNA--SVLIHYSGFLEYSHPFETT-VNFKY--PQMMKLGR-
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XP_005808385	GILKEVVQPGEG--PPVPQNA--SVIMYYSGYLEYSNQPFEST-SHLQY--PPMMKLGR-
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XP_020488061	GILKEVIQPGDG--PPVPRNA--SVLIHYSGFLEYSHPFETT-TNLKY--PQMMKLGR-
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 GIFKEVLHPGEG--PPVPQNA--TVSVHYSGFLEYADQPFETT-TNLLH--PRLKLTGR-
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 GILKEVVQPGEG--PPVPQNA--SVIMYYSGFLEYSNQPFEST-AHLKY--PPMMKLGR-
 GILKEVVQPGEG--PPVPQNA--SVIMYYSGFLEYSNQPFEST-AHLKY--PPMMKLGR-
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 -----MYSGFLEYSNQPFEST-AHLKY--PPMMKLGR-
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 -----SIL-VKYSGYLEHLDLPFYSN-YFRKT--PRLMKLGE-
 KIKKREIRPGIG--CVVPEKA--VTVHYNAYVEYSDEPYDSTWLRG-Y--PMVGRLGQ-
 GVLKQIVRQGTG--PVVPQGA--TVRYHYNGYLEFNDEPFDDSS-RLRGR--PDVGKL--
 GILKEVVQPGEG--PPVPENA--SVLIHYSGFLEYSQPFETT-TNLKY--PRMMKLGR-
 MVFKKIIRPGIG--LSIPEGA--TVKVHYNGYLEYDEPYDST-RLRNK--PLTIRLGT-
 GVFKRMIRKGTG--PVVPEGA--TVRYHYNGYLEFNDEPFDDSS-RLRNK--PEIHLK--
 GVLKKEVKPGIG--PVVSKGA--FVTVHYNSYLEYSEEPFDST-RLRNL--PFKFLDR-
 GVLKKEVKPGIG--PVVSKGA--FVTVHYNSYLEYSEEPFDST-RLRNL--PFKFLDR-
 GVKKEVLQQGVG--DVVDPKS--YVTVHYNGRFEYSDEPFDDST-TLRGQ--PRKFALGE-
 GVVKKILTHGAG--NVIPEGA--IVSIHYNGFLEYSDEPFDDSS-RLRNA--PIKKQLGK-
 GVKKRVKKVGS--EVFQEGW--TATIHGYFEYCDVPYDSS-KLRNK--PQKITLGE-
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XP_023237057	QIFKKELKTGFG--IELPSKA--FVTIHYNAYLEYSDPEFDDST--RLRGT--PLKFVLGE-
XP_002128893	GVKKMIRKEGVG--SVVPSGS--KVRIHYNGYMEDLDEPFDDSS--RIRNQ--PLQITLEQ-
XP_009051935	GVMKTVLKPGAG--NVVPAQS--LVRIHYNLYLEGSDEPFDDSS--RLRGE--ICKFRLGQ-
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XP_009857551	GVKKMIRKEGVG--SVVPSGS--KVRIHYNGYMEDLDEPFDDSS--RIRNQ--PLQITLEQ-
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XP_020909274	GVLKKILRPGVG--PVVPRTA--TLRFHYNAYREFGDEPYDSS--RFRGK--PESARLG--
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PVD31214	GVFKKVLRPGAG--PVVPRNS--LVRVHYNAYKEGEEEPDDSS--RLRTE--VDKFHLFR-
PIK39047	GVWKMVVNNGTG--PVVPGY--RIQVHYNSYLEYSDEPMDST--RLRSE--TKKFILGN-
XP_022336187	MVFKKILQOGTG--NVVPEGA--IVRIHYNGYLEFGDEPFDDST--RLRNT--PYKVKLQT-
XP_022337811	MVFKKILQOGTG--NVVPEGA--IVRIHYNGYLEFGDEPFDDST--RLRNT--PYKVKLQT-
XP_014787871	GVFKETKHPGYG--PGITENS--VVEVHYAGFFEYRDEPFDDSS--RLRDE--TFKVRVGS-
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XP_014475449	KVMKFIKQKGVG--EVIP--NNAQVTIHYLGYLEDNDEPFDDST--YICGK--PKTLRLGQ-
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XP_022193504	RIMKRMKKQGMG--EMISNAG--VYYYHYSAYVNLQEEPFDDNS--YLRRHRRPERLVLGK-
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KFQ39479	DITLGGLEIGLLTMKKGEVARFVFTPPYAYGQQGCPPLIPP NATVMFEVEVLDF
EOB04024	DITLRGLEIGLLTMKKGEVARFVFTPVYAYGQQGCPPLIPP NATVLFEEVMLDF
XP_023675251	DVTLPGLELGLLTMKKGEFSRFLFLAKYAYGEMGCPPLIPPSATVLYEVQVLDF
XP_009557002	DITLQGLEIGLLTMKKGEVAKFVFAPDYAYGQRGCPPLIPPSATVMFEVELLDF
XP_008944700	DITLLGLEISLLTMRKGEAARFVFS PKYAYGPQGCPLIPPEATVLFEEVLLDF
KFP93140	DITLWGLEIGLLTMKKGEVARFVFTPDYAYGRQGCPLIPP NATVMFEVEVLDF
KFP44723	DITLRGLEIGILTMKKGEVARFVFM PNAYAYGQMGCPPLIPP NATVMFEVEVLDF
XP_017553040	DVTLCGLELGLLTMKRKGEFSRFLFQPDYAFGEMGCPPLIPPAATVLYEVQVLEF
XP_021396070	DITLWGLEIGLLSMTKGEAALFVLAPEYAYGQRGCPPIPSNTMVLFKVEVLDF
XP_010143455	DITLRGLEIGLLTMTKGEAARFVFTPDYAYGQRGCYPLIPC NATVVFEVEVLDF
KFQ87275	DITLGGLEIGLMTMKKGEVARFVFTPDYAYGRQGCPLIPP NATVMFEVEVLDF
XP_010891852	DVTLYGLELGILTMKKGEFSRFLFLPEYAYGDMGCPPLIPPFATVLYEVQVLDF
XP_009863922	DITLGGVEVGLLTMKKGEVARFYFSPEYAYGHQGCPLIPP NTSVVFDVEVLDF
KFW66808	DITLGGLEIGLLTMKKGEVARFVFTPDYAYGRQGCPLIPP NATVVFEVEVLDF
XP_018591809	DVTLPGLEVGLLTMKSGEFSRFLFLPKYAYGDMGCPPLIPPSATLLYEVHLLDF
KFP21064	DITLGGLEIGLLTMKKGEVARFVFTPEYAYGRQGCPLVPPNATVMFEVEVLDF
KFZ64979	DITLAGLEIGLLTMKKGEVARFIFMPDYAYGKQGCPLIPP NATVMFEVEVLDF
KFW73903	DITLGGLEIGLLTMKKGEAARFVFTPDYAYGRQGCPLIPP NATVMFEVELLDF
KFM05579	DITLGGLEIGLLTMKKGEVARFVFTPDYAYGRQGCPLIPP NATVMFEVEVLDF
KFV69563	DITLWGLEIGLLTMRKGEAARFIFKPCYAYGQQGCHPVIPP NATVTFEVELRDF
XP_023823731	DVTLCGLELGILTMKRKGEFSRFLFLPAYAYGEMGCPPLIPPVATVLYEVQVLDF
XP_016346087	DVTLYGLELGLLTMKKGEFSRFLFKPKYAYGDLGCPPHIPPLATVLYEVQVLDF
KFV51798	DITLGGLEIGLLTMKKGEVARFVFM PDYAYGRQGCPLIPP NATVMFEVEVLDF

KFW03341	DITLWGLEIGLLTMKKGEVARFVFMPGYAYGRQGCLPLIPP NATVLF EVEVLDF
KFV99355	DITLGGLEIGLLTMKKGEVARFVFTPDYAYGRQGCPLIPP NAMVLF EVEVLDF
OXB56102	DITLLGLEIGLLTMKKGELARFIFTPNYAYGKQGCLPLIPKNATVLF IVELIDF
XP_018958387	DVTLYGLELGLLTMKKGEFSRFLFKPKYAYGDLGCPPHIPPLATVLYEVQVLDF
XP_019903677	DVTLYGLELGLLTMKKGEFSRFLFLPEYAYGDMGCPPLIPPFATVLYEVQVLDF
KFU91562	DITLWGLEIGLLTMRKGEVARFFLMPKYAYGQLGCPPLIPP NSTVTFEVELLDF
XP_017314960	DVTLWGLDISLRTMRGFEFSRFLFLPEYAYGDMGCPPLIPPGATVLYEVQVFDY
XP_016393789	DVTLYGLELGLLTMKKGEFSRFLFKPKYAYGDLGCPPHIPPLATVLYEVQVLDF
XP_009093115	DITLWGLEIGLLSMTKGEAALFVLTPPEYAYGQRCPPSIPPNTTVLFKVEVLDF
XP_023869471	DVTLGCGLELGLLTMRKGEFSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
XP_019903679	DVTLYGLELGLLTMKKGEFSRFLFLPEYAYGDMGCPPLIPPFATVLYEVQVLDF
XP_019903678	DVTLYGLELGLLTMKKGEFSRFLFLPEYAYGDMGCPPLIPPFATVLYEVQVLDF
XP_014110391	DITLGGLEIGLLSMTKGEAALFILTPPEYAYGQRCPPSIPPNTTVLFKVEVLDF
XP_017314964	DVTLWGLDISLRTMRGFEFSRFLFLPEYAYGDMGCPPLIPPGATVLYEVQVFDY
XP_019903676	DVTLYGLELGLLTMKKGEFSRFLFLPEYAYGDMGCPPLIPPFATVLYEVQVLDF
XP_015502317	DITLGGLEIGLLSMTKGEAALFILTPPEYAYGQRCPPSIPPNTTVLFKVEVLDF
XP_020341240	DVTLGCGLELGLLTMRKGEFSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
NP_001122145	DVTLYGLELGLLTMKKGEFSRFLFKPKYAYGDLGCPPHIPPCATVLYEVQVLDF
OWK52486	DITLWGLEIGLLSMTKGEAALFVLAPEYAYGQRCPPFIPSNMTVLFKVEVLDF
XP_013992803	DVTLGCGLELGLLTMRKGEYSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
XP_024287707	DVTLGCGLELGLLTMRKGEFSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
AAH54673	DVTLYGLELGLLTMKKGEFSRFLFKPKYAYGDLGCPPHIPPCATVLYEVQVLDF
KFP60963	DITLGGLEIGLLTMKKGEAARFVFMPDYAYGRQGCPLIPP NAMVMFEVEVLDF
XP_018958370	DVTLYGLELGLLTMKKGEFSRFLFKPKYAYGDLGCPPHIPPLATVLYEVQVLDF
KGL96380	DITLVGLEIGLLTMKKGEVARFVFRPDYAYGQGCPLIPP NATVMFEVEVLDF
XP_016148031	DVTLYGLELGLLTMKKGEFSRFLFKPKYAYGDLGCPPHIPPLATVLYEVQVLDF
XP_007245276	DMTLCGLELGLLTMRKGECSRFLFKHDYAFGEMGCPPLIPPLAMVLYEVQVLDF
XP_023794776	DITLGGLEIGLLSMTKGEAALFILTPKYAYGQRCPPSIPPNTTVLFKVEVLDF
XP_021479427	DVTLGCGLELGLLTMRKGEFSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
KFR16943	DITLGGLEVGLLTMKKGEVARFVFTPAYAYGQGCPLIPP NATVMFEVELLDF
XP_009988051	DITLRGLELGLLTMKKGEAARFVFVDPDYAYGRGCPPLIPP NATVTTFEVEVLDF
KFV16869	DITLWGLEIGLLTMKVGEAARFFFLPGYAYGKMGCPPLIPP NAMATFVEVEVDF
KFO13846	DITLRGLVIGLLTMKKGEGAKFVFTPDYAYGRQGCPLIPP NATVMFEVEVLDF
XP_020373313	DITLLGMELAIQTMRKGEFARFLFKPQYAYGQMGCPPRIPANATVMFELEILHF
XP_006640997	EVTLVGLEVGLLTMRKGEFARFLFLPDYAYGAMGCPPLIPPAATVLFVHLLDF
XP_020341239	DVTLGCGLELGLLTMRKGEFSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
KQK73326	DITLLGLEVGLLTMKKGELSRLFVFPAYAYGQLGCPPLIPPSATVIFEVEVLDF
XP_008500186	DITLWGLEIGLLTMRKGERARFFFTPSYAYGAMGCPPLIPP NAMVMFEVELLDF
XP_013992801	DVTLGCGLELGLLTMRKGEYSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
XP_016350445	DVTLYGLELGLLTMKKGEFSRFLFMPKYAYGDLGCPPHIPPLAMVLYEVQVLDF
KFV47875	DITLQGLAVGLLTMKKGEAARFVFMPDYAYGQGCPLIPPSATVMFEVELLDF
XP_022534491	DMTLCGLELGLLTMRKGECSRFLFKHDYAFGEMGCPPLIPPLAMVLYEVQVLDF
XP_021479426	DVTLGCGLELGLLTMRKGEFSRFLFLPEYAYGAMGCPPLIPPVATVLYEVQVLDF
KFQ96759	DITLGGLEIGLLTMKKGEVARFVFTPYAYGRQGCPLIPP NATVMFEVEVLDF
XP_012685286	DVTLWGLEVGLLTMKKGELAHFLFKPKYAYGEMGCPPLIPSSATVFYEVHVIDF
KFQ41466	DITLLGLEVGLLTMKKGELSRLFVFTPGYAYGQRCPPSIPP SATVIFEVEVLDF
XP_024997748	DITLGGLEIGVLTMMKKGEVARFIFSPSYAYGQGCPLIPP DATVLF EVELIDF
KFQ35533	DITLLGLEISLLTMRKGEAARFVFSKYAYGPQGCPLIPPEATVLF EVELLDF
XP_020459257	DMTLVGLEQGLLTMQKGEFSRFLFQPLYAYGDIGCPPLIPAAA VVLYEVEILDF
XP_017264554	DVTLAGLELGLLTMKRGEFSRFLFQPYAYGDMGCPPIIPAAA VVLYEVQVLDY
XP_005917667	DVTLAGLELGLLTMKKGEFSRFLFQPYAYGEMGCPPIIPAAA VVLYEVQVLDY
XP_022621130	DVTLAGLELGLLTMQKGEFSRFLFQPHYAYGDMGCPPIIPAAA VVLYEVQVLDY
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XP_010408101	DITLWGLEIGLLSMTKGETALFVLRPEYAYGQRCPPSIPPNTTVLFKVEVLDF
KFO74526	DITLQGLEIGLLTMKKGEVAKFVFAPDYAYGQRCPPSIPP SATVMFEVELLDF
XP_005449739	DVTLAGLEVGLLTMKKGEFSRFLFQPHYAYGDMGCPPIIPAAA VVLYEVQVLDY
XP_023285908	DVTLVGLELGLLTMQKGEFSRFLFQPHYAYGDMGCPPIIPAAA VVLYEVQVLDY
XP_015502316	DITLGGLEIGLLSMTKGEAALFILTPPEYAYGQRCPPSIPPNTTVLFKVEVLDF

XP_004542108	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPTAAVVLYEVQILDY
XP_023823730	DVTLGCGLELGILTMRKGEFSRFLFLPAYAYGEMGCPPLIPPVATVLYEVQVLDF
XP_020459258	DMTLVGLEQGLLTMQKGEFSRFLFQPLYAYGDIGCPPLIPAAAVVLYEVEILDF
XP_008634949	DITLWGLEIGLLSMTKGETALFVLRPEYAYGQRCPPSIPPNTTVLFKVELLDF
XP_013883182	DVTVAGLELGLLTMKKGEFSRFLFQPYAYGDMGCPPFIPGAATVLYEVHVLDY
XP_019947232	DVTLAGLQLGLLTMKKGEFSRFLFQPYAYGDMGCPPFIIPAAAKILYEVQILDF
KFP85199	DITLGGVEVGLLTMKKGEVARFYFSPEYAYGHQCGPPLIPPNTSVVFDVEVLDF
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XP_003971664	DVTLTGLEMGLLTMKKGEFSRFLFEPQYAYGDLGCPPLIPAFSVVLYEVHILDF
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XP_013764144	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAVVLYEVQILDY
CAG01803	NVTLAGLEMGLLTMKKGEFSRFLFEPQYAYGDLGCPPLIPAFAEILYEVHILDF
XP_005449738	DVTLAGLEVGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAVVLYEVQILDY
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XP_018551539	DVTLVGLELGLLTMQKGEFSRFLFQPYAYGDMGCPPFIPSSAVVLYEVQILDF
XP_004542106	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPTAAVVLYEVQILDY
XP_005808385	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIYEVHVLDY
KFO85715	DITLRGLEIGLLTMTKGEAARFVFTPDYAYGQRCYPLIPCNATVVFEVEVLDF
XP_015236136	DVTLAGLELGLLTMKKGEFSRFLFDPQYAYGEMGCPPLIPAAATVLYEVQIVDY
XP_023794777	DITLCGLEIGLLSMTKGEAALFILTPKYAYGQRCPPSIPPNTTVLFKVEVLDF
XP_015803473	EVTLAGLEMGLLTMKRGEFSRFLFQPRYAYGDMGCPPLIPASATILYEVQLLDY
KPP68264	DVTLPGLEVGLLTMKSGEFSRFLFLPKYAYGDMGCPPLIPPSATILYEVHLLDF
XP_020488061	DVTLAGLELGLLTMKKGEFSRFLFQPYAYGDMGCPPFIPTAATVLYEVHILDF
XP_015332442	DITLWGMELGLLTMRRGELARFLFKPTYAYGALGCPPLIPPNTTVLFEIELLDF
XP_013764143	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAVVLYEVQILDY
XP_005449737	DVTLAGLEVGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAVVLYEVQILDY
KFO61461	DITLWGLEIGLLSMTKGETALFVLRPEYAYGQRCPPSIPPNTTVLFKVELLDF
XP_008298046	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGDMGCPPLIPAAAAVLYEVQILDY
KFP07119	DITLWGLEIGLLTMRKGERARFFFTPSYAYGAMGCPPLPPNAMVMFEVELLDF
XP_007561093	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIYEVHVLDY
PKU35662	DITLLGLEIGLLTMKKGEVARFVMPDYAYGRQCGPPLIPPNTVMFEVEVLDF
XP_010793476	DLTLAGLELGLMTMRKGEFSRFLLPKYAYGEMGCPPLVPAAAVILYEVHILEF
AWP19851	DMTLAGLELGVLTMQNGEFSRFLFQPYAYGDLGCPPFIPGAAAVLYEVQILDI
KFW82601	DITLWGLELGLMSMARGEVARFWFSRYPYAYGPRGCPPHIPDPTTVLFHVELLDF
XP_008396659	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIYEVQVLDF
XP_010739761	EVTLAGLDLCLLTMKKGEFSRFLLEPQYAYGDLGCPPLIPAAAVVLYEIQIIDY
XP_022046121	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGDMGCPSLIPRAAVVLYEVQILDY
XP_019715044	DMTLMGMMGLLTMRKGESSRFLLPQYAYGDMGCPPLIPAAARILFEIQIHDV
XP_018875413	DITLWGMELGLLTMRRGELARFLFKPNYAYGTLGSPPLIPPNTTVLFEIELLDF
XP_014327714	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIYEVHVLDY
XP_009081377	DITLWGLELGLLSMAKELAWFIFVPKYAYGQMGCPPIPPNTTVLFLVLLDF
AWP19849	DMTLAGLELGVLTMQNGEFSRFLFQPYAYGDLGCPPFIPGAAAVLYEVQILDI
XP_023134576	DMTLAGLELGLLTMKKGEFCRFLLPQYAYGDMGCPPLIPAAAVVLYEVHILDY
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XP_020570387	DLTLWGLELGLLTMKRGEHSRVLQPYAYGDLGCPPLIPAAAVVLYEVQIVDY

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XP_020570386	DLTLWGLELGLLTMKRGEHSRVLQPQYAYGDLGCPPLIPAAAVlyEVQIVdy
XP_008396658	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIlyEVQVLDY
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XP_024147378	ELTLWGLELGLLTMKRGELSRFLFQPEYAYGDLGCPPLIPAAARVlyEVQILDY
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XP_008396660	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIlyE-----
XP_017593619	DITLWGLEIGLLSMTKGETALFVLRPEYAYGQRCPPSIPPNTTVLFKVELLDF
XP_008396661	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIlyEVQVLDY
XP_014851600	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAAIlyEVHVLdy
XP_019619874	GSVVPGEIAISSMKKGERSRFLVQPNYGYGKFGCPPRIPGNATVlyEIEMLNF
XP_016801711	DITLWGMELGLLSMRGQLARFLFKPNYAYGTPGSPPLIPPNTTVLFEIELLDF
XP_023710706	G-FITGLDIAIASMKKGETSRFLIHPDKAYGKLGCPPRIPQNAELLFEVELVKF
XP_020627099	EELLPGWYIGVSTMRRGEKSKFLLSPEYAFKDLGSPRVPPSATVLFVEELLSY
XP_006793207	DVTLAGLELGLLTMKKGEFSRFLLPQYAYGEMGCPPFIPAAAVlyEVQILDY
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XP_022801008	EENILGLYYGLRTMRKGEKSKFLVTPEYAYLEMGTPrIPASAKVLFVEELLSF
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XP_022254671	ERVILGLDVGVGTMKKGEVAQFLIRPEYAFGQMGCPPRIPP NATVMYEVELISY
ELT98785	EEVTPGFEIAVASMRKREEARFLVQPRYFLGTVGCPPRIPGNEPVLFWIQMVDF
XP_021353947	GQLVEGLELGLSTMKKGELSRIITYDYAFGKLGCAPRIPPESTVMYEVELLSF
XP_022108900	GQVIPGLEIAVSTM RKGEKSDFLVSPEYAFGPRGVPPRIPENATILFVIELLAI
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XP_002167164	GEGIEGWQIAISTMRKEISKFLLHPTVAFGKMGCPPRIP SNAEVLFEIELISY
KOF62423	DMVIPGWVIAVTTMQVGELSRLISPEYGFDFGCPPRIPKAITALFEIELLSF
XP_014790271	DMVIPGWVIAVTTMQVGELSRLISPEYGFDFGCPPRIPKAITALFEIELLSF
XP_001636239	EGAFPGLDIGVSTM RKGELSRLFDKEYVFKDLGCEPRVPG-ATVMWEVELLSF
XP_023237057	NRVVEGLDIAVATMKKGEISQFLIKYLYAYGEMGSPPRIPPSATILYEVELLSF
XP_002128893	GQVIHGLDIGISTMRKFEIARFLIESTYAYGNMGCPPRIPGHALVCFEVELLGY
XP_009051935	GAVIIGLEIAVSSMKKGEKSRYLFTPEYAYGRMGCGERIPGNSTVLAEEVELLSF
XP_012221039	NCLIPGLELGILSMKKHEIAMFLIHPDLAYKALGCPPRIPPNEEVVFI VHLDI
XP_012264923	GMLIPGLDIGIQTMKKYEQSVFVINSDYAYGAMGCPPRIPPNEVDVLFIVILESF
XP_009857551	GQVIHGLDIGISTMRKFEIARFLIESTYAYGNMGCPPRIPGHALVCFEVELLGY
XP_015515854	GVLLPGLEIGIQTMKKHEISHFIIHPDYAFGPMGCPPRIPPNEEVMFAVYLSDF
XP_011415211	GGLIVGLDLAVSSMKKGELARYIIRPQYAFGEMGTPrIPKDATVMYEVELLNF
XP_020909274	GGAFPGLDIALSTM RKGELAKFLFKKEYVFKDLGCEPRVPG-GTVLWEIELLGF
EKC39444	GGLIVGLDLAVSSMKKGELARYIIRPQYAFGEMGTPrIPKDATVMYEVELLNF
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XP_013405451	GDTIMGLEIAVSSMRKGELARFISYKYAYGERGCPPRIGEKADVMFEVELLNF
PVD31214	DSRVLGFHVAVSTMKKGEISRFLFKPTYFYGAMGCGQRIPP NCTALFDIELLSF
PIK39047	GEVIEGMELAISTMRQGELSKFLIAPEFAYGKYGCGKRIPPDSEILMEIELISF
XP_022336187	GGLIVGLDLAVSSMKKGELARV IIRPQYAFGEMGTPrIPKDATVlyEVELLNF
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XP_014787871	GKAIPGWEIALLTMKKGEISWFLIQPEYGFQETGCPPRVPR NATALFEIEILSI
EFN78601	NIIIPGLEIAICSMRKHEVAVFWLHPDYAYRAIGCLPRIPP NVEVAFIVHLTDF
XP_014475449	GMVIPGLELGIASMRKHEISVFWLHPDYAYKAIGCQPRIPP NAEIVFI VHLDI
XP_014279621	GDLYLGFEKSLLTMRGEKSQLVHSDYAFGKLGAPPRITPNATILLEIELIKI
XP_022193504	GEALIGVELALKTMKKGESSQFIVEPEYAFGKLGCPPRVPPESTVLFDI EVIDY
XP_014204130	GQVLQGLEIAICSMKKFEKALFIIQPSLAYGELGCLPRVPP NAEVLFKIDLIDF
KOX75315	GALIPGLEIGISTMQKHEIAIFIIHPDFAYGKYGCAPRIPPNEEILFIVHLVDY
XP_014234164	GAVIPGLEIGISSMKKFEKSLFIIQSELAYGELGCMPRIPP NAEVLFKVELVDF
KII63942	CDGLPGLQIGLSTM RKDEEAKFILRPDYAYGRFGCPPRIPP NSVVFIDVELISY
XP_024936423	GECIVGLEIGIRSMRKHEVAHFIIHPDLAFGKMGCCLPRIPP NEVDVFAVHVVDf

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