

gi|4507751|ref|NP_001062.1|-----150
 gi|114672493|ref|XP_001150558.1|-----150
 gi|83716002|ref|NP_001032905.1|-----150
 gi|57100565 ref XP_533309.1-----150
 gi|73961995 ref XP_849163.1-----150
 gi|46358062 ref NP_067263.1-----150
 gi|9507217|ref|NP_062052.1|-----150
 gi|118086858|ref|XP_419147.2|-----150
 gi|18859519|ref|NP_571835.1-----150
 gi|30690081|ref|NP_195183.2|-----150
 gi|15227185|ref|NP_179230.1|-----150
 gi|115485535|ref|NP_001067911.1|-----150
 MTWPNKRYILLPSLLSIRTKSLKKRKENPPFHTNLYSPPSQFTICSGGGERDTAAAAAAALRRTTRPGGARRGRTDTSTTLPLFLSFLTPQPPTPDPDPRPSRFIRAAASIPSRRLSENRRICMLVAEVFRAGAYISRFCSRHACOVARFSGISC
 MPVPNP-----HSPGLSGKN-----PMPVPMGNG-----YARK-----ATHFFRKSNILILRLQS-----
 gi|118781473|ref|XP_311491.3|-----150
 gi|17137556|ref|NP_477367.1|-----150
 gi|50302825|ref|XP_451349.1|-----150
 gi|45188092|ref|NP_984315.1|-----150
 gi|83578104|ref|NP_014717.2|-----150
 gi|19115217|ref|NP_594305.1|-----150
 gi|39944952|ref|XP_362013.1|-----150
 gi|32405614|ref|XP_323420.1|-----150
 gi|71993377|ref|NP_491532.3|-----150
 gi|124505475|ref|XP_001351479.1|-----150
 MRCLQN-----SAKIDPLAFKS-----ALLPLS-----QRWFCKFSPKISSLTN-----
 1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

gi|4507751|ref|NP_001062.1|-----300
 gi|114672493|ref|XP_001150558.1|-----300
 gi|83716002|ref|NP_001032905.1|-----300
 gi|57100565 ref XP_533309.1-----300
 gi|73961995 ref XP_849163.1-----300
 gi|46358062 ref NP_067263.1-----300
 gi|9507217|ref|NP_062052.1|-----300
 gi|118086858|ref|XP_419147.2|-----300
 gi|18859519|ref|NP_571835.1|-----300
 gi|30690081|ref|NP_195183.2|-----300
 gi|15227185|ref|NP_179230.1|-----300
 gi|115485535|ref|NP_001067911.1|-----300
 APISQFRPQSLEGSRKLRQCFIQTTRLIAMATTLS-NGVSQNGPORNQVVVAATRDMDIGIKGDGVLPWKLLGDLKFFFELTVTTADPVKKNAVIMGRKTWESIPLKARPLPGRLNIIITRSQSFEEFATENVVIVCGSMNSALELLSSTP
 115488458 ref NP_001066716.1|-----300
 118781473|ref|XP_311491.3|-----300
 gi|17137556|ref|NP_477367.1|-----300
 gi|50302825|ref|XP_451349.1|-----300
 gi|45188092|ref|NP_984315.1|-----300
 gi|83578104|ref|NP_014717.2|-----300
 gi|19115217|ref|NP_594305.1|-----300
 gi|39944952|ref|XP_362013.1|-----300
 gi|32405614|ref|XP_323420.1|-----300
 gi|71993377|ref|NP_491532.3|-----300
 gi|124505475|ref|XP_001351479.1|-----300
 IFKVSISTMANTLNGNVIMTSPKSTYQVVAATKEMGIGKDGLPWNLPTDLKFFFDLTSDSAKKNAVVMGRKTWESIPLKKYRPLSGRLNVVLSRSSGFDIANTEVVTCSEIDSALDLLAAPP
 MATTLLNDSVT-----TIALESEPORTYQVVAATKEMGIGKDGLPWNLPTDLKFFFDLTSDSSKKNAVVMGRKTWESIPLKKYRPLSGRLNVVLTRSGGFDIANTEVVTCSSVDSALDLLAAPP
 115485535|ref|NP_001067911.1|-----300
 APISQFRPQSLEGSRKLRQCFIQTTRLIAMATTLS-NGVSQNGPORNQVVVAATRDMDIGIKGDGVLPWKLLGDLKFFFELTVTTADPVKKNAVIMGRKTWESIPLKARPLPGRLNIIITRSQSFEEFATENVVIVCGSMNSALELLSSTP
 115488458 ref NP_001066716.1|-----300
 118781473|ref|XP_311491.3|-----300
 gi|17137556|ref|NP_477367.1|-----300
 gi|50302825|ref|XP_451349.1|-----300
 gi|45188092|ref|NP_984315.1|-----300
 gi|83578104|ref|NP_014717.2|-----300
 gi|19115217|ref|NP_594305.1|-----300
 gi|39944952|ref|XP_362013.1|-----300
 gi|32405614|ref|XP_323420.1|-----300
 gi|71993377|ref|NP_491532.3|-----300
 gi|124505475|ref|XP_001351479.1|-----300
 TLIVKSLLTYKGVDVQVVLIDPARNFVEKEDLTALGVNVNNADDWNLDGLECPITHIELRREWAHLLIAPLSANTMAKMANLCDNLNTSLIRAWAPLKPIILLAPAMNTLMWTNPITQEHLSAISRIYKNEEFIMPIEKVVLACGIGM
 FDIVAIACACKVESKNEGKKNEVENNYTFRGLGNKGVLWPWCNSLDMKIFCAVTTYVNESKYEKLKVKRCKVLNKETVDNVNDMPNSKKLQNVVVMGRTEWESIPKKFKPLSNRINVILSRQLKEDFDEDVYIINKVENDLIVLGL
 1.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300

gi|4507751|ref|NP_001062.1| -MPVAGSSELPLRPRPLPPAAQERDAEPRPP- 450
 gi|114672493|ref|XP_001150558.1| -MPVAGSSELPLRPLPFAAQERDAEPRPP- 450
 gi|83716002|ref|NP_001032905.1| -MPAAGSEPSRPFPSPPGVQESAEPRPPPPP- 450
 gi|57100565|ref|XP_533309.1| -MPAPGSELQRPESPFAAQKPRARQPQPP- 450
 gi|73961995|ref|XP_849163.1| -MLVVGSELQSDAQQLSAEAAPR- 450
 gi|46358062|ref|NP_067263.1| -MLVVGSELQSGAQQPRTEAPO- 450
 gi|9507217|ref|NP_062052.1| -MPAAEE-----PSSGLEG- 450
 gi|118086858|ref|XP_419147.2| -MPAAEE-----PSSGLEG- 450
 gi|18859519|ref|NP_571835.1| -MPDTAVTVNTGHCVNGESKKEEINGKKKEF- 450
 gi|30690081|ref|NP_195183.2| -FSLSIEKVFVIGGDILREALNKPSCIAIHIDEIDTSIDCDTIFIPVVDTSAYDPCWCSFPICEGLRFSPTTHVRVKSISAGIASDES- 450
 gi|15227185|ref|NP_179230.1| -YCLSLIERVFVIGGDILREALNRPSCDAIHLIDEIDTSVDCDFTIPAIIDTSVYDPCWSSFPVTENGLRCFCFTTFVRVKSISADSSDES- 450
 gi|115485535|ref|NP_001067911.1| -YCLSLIEKVFVIGGGQVLRESLNGPSCAHEVHLDIOSSIECDTIPFPIIDLSEVFPWYSSLPVESNIRHSFVITYVRVKTMAEHTDSNCKEFANDGIKSDFETENF-BFLPKM- 450
 gi|115488458|ref|NP_001066716.1| -YCLLVEKTDIIGGEILRLSINAFAPECAIHLIDESIECDTIPFPIIDLSEMFHPWYSSFPVVENGIKHSFISFVRVTKSIAEANDSSGKELTGNDSKKVKEFENF-BFLPKM- 450
 gi|118781473|ref|XP_311491.3| -MEGENG-NNVKKD- 450
 gi|17137556|ref|NP_477367.1| -MVLTPTKDGP- 450
 gi|50302825|ref|XP_451349.1| -DQESEMPILPAONGEESPKQOA- 450
 gi|45188092|ref|NP_984315.1| -MSWRSLKDPITVARJAHYIYOLIQLQRNMGLPNLKMDSVKEDTRSSV- 450
 gi|83578104|ref|NP_014717.2| -MTMDGK- 450
 GGMAEWRNIVGRVADKLQLEQKSVLPNAVKNIQGDDDSSEQTAAFEEYDDDDDDDVDDNEQSNSMIETSANADITPKASLLPSTIESSIENDHETSQAPLGSESVQDQASENVTTKPEPPVP- 450
 gi|39944952|ref|XP_362013.1| -MADAGAKPAQNG- 450
 gi|32405614|ref|XP_323420.1| -MVTSEEVAPAQSQSQTSSRINPT- 450
 gi|71993377|ref|NP_491532.3| -MNKENIIADAPSIVVKTVQQVH- 450
 gi|124505475|ref|XP_001351479.1| -KLNITYKCFIIGGSVYQEFLEKKLIKKIYFIRINSTYECDVFFPEINENEYQIISVTDVYTSNTLDFIIKKTNNKMLNQNCKIKGEEKNDMPLKNDKPTCHMKKLTTEFYKVDKTKINYENDDDEEEDDFVYFNFKKEEKKN- 450
310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450

gi|4507751|ref|NP_001062.1| * * * : * : * : *** . * . : : : EPPLLTTRKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRDFLDSLGFSTREEGDLGPV 600
 gi|114672493|ref|XP_001150558.1| * * * : * : * : *** . * . : : : EPPLLTTRKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRDFLDSLGFSTREEGDLGPV 600
 gi|83716002|ref|NP_001032905.1| * * * : * : * : *** . * . : : : EPPLLTTRKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRDFLDSLGFSDRAEGDLGPV 600
 gi|57100565|ref|XP_533309.1| * * * : * : * : *** . * . : : : EPPLLTTRKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRDFLDSLGFANREEGDLGPV 600
 gi|73961995|ref|XP_849163.1| * * * : * : * : *** . * . : : : EPPLLTTRKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRDFLDSLGFANREEGDLGPV 600
 gi|46358062|ref|NP_067263.1| * * * : * : * : *** . * . : : : EPPLLTTRKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRDFLDSLGFAROEGDLGPV 600
 gi|9507217|ref|NP_062052.1| * * * : * : * : *** . * . : : : EPPLLTTRKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRDFLDSLGFAROEGDLGPV 600
 gi|118086858|ref|XP_419147.2| * * * : * : * : *** . * . : : : QPPLLTTKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRFLDKQGFCTREEGDLGPV 600
 gi|18859519|ref|NP_571835.1| * * * : * : * : *** . * . : : : QPPLLTTKRVFWKGVLIELLWFIFKGSTNAKELSSKGVKIWDANGSRFLDKQGFCTREEGDLGPV 600
 gi|30690081|ref|NP_195183.2| * * * : * : * : *** . * . : : : FDRHEEYLNLNVKEIISNGNLKDRTGTGTLSKFG-COMKFLNRR- 600
 gi|15227185|ref|NP_179230.1| * * * : * : * : *** . * . : : : FDQHEEFLYLNLVEDIISNGNVNKRDTGTGTLSKFG-COMKFLNRR- 600
 gi|115485535|ref|NP_001067911.1| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|115488458|ref|NP_001066716.1| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|118781473|ref|XP_311491.3| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|17137556|ref|NP_477367.1| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|50302825|ref|XP_451349.1| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|45188092|ref|NP_984315.1| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|83578104|ref|NP_014717.2| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|19115217|ref|NP_594305.1| * * * : * : * : *** . * . : : : FTSSEBYRNIEEEYQLNLIRYIENGOSRDPRTGNGTRSVFAPPOLRFLSLRNNT- 600
 gi|39944952|ref|XP_362013.1| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|32405614|ref|XP_323420.1| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|71993377|ref|NP_491532.3| * * * : * : * : *** . * . : : : FDRHEEYHVLNLVEDIIRSGAQKNDRDTGTGTLSKFG-COMRFNLRN- 600
 gi|124505475|ref|XP_001351479.1| * * * : * : * : *** . * . : : : KNSIHPNDFOIYNLSKYKYIPEYOYLNLIYDIMMNGNKSDRTGVGVLSKFG-WIMKFDLSQ- 600
460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600

gi 4507751 ref NP_001062.1	YGFQWRHFGAEVRDMESDYSCOGVDOLQRVIDTIKTNPDRRIIMCAWNPRDLPLMALPPCHALCQFYVVN-----	SELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 114672493 ref XP_001150558.1	YGFQWRHFGAEVKDMSDYSCOGVDOLQRVIDTIKSNPDRRIIMCAWNPRDLPLMALPPCHALCQFYVVN-----	SELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 83716002 ref NP_001032905.1	YGFQWRHFGAEVKDMSSEYSQOGVDOLQRVIDTIKTNPDRRIILCAWNPKDLPPLMALPPCHALCQFYVVN-----	GELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 57100565 ref XP_533309.1	YGFQWRHFGAEVKDKDSDYSCOGVDOLQRVIDTIKTNPDRRIILCGWNPKDLPPLMALPPCHALCQFYVVN-----	GELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 73961995 ref XP_849163.1	YGFQWRHFGAEVKDKDSDYSCOGVDOLQRVIDTIKTNPDRRIILCGWNPKDLPPLMALPPCHALCQFYVVN-----	GELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 46358062 ref NP_067263.1	YGFQWRHFGAEVKDKDSDYSCOGVDOLQRVIDTIKTNPDRRIIMCAWNPKDLPPLMALPPCHALCQFYVVN-----	GELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 9507217 ref NP_062052.1	YGFQWRHFGADVKDKDSDYSCOGVDOLQRVIDTIKTNPDRRIIMCAWNPKDLPPLMALPPCHALCQFYVVN-----	GELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLQPGDFVHTLGDA	750
gi 118086858 ref XP_419147.2	YGFQWRHFGADVKDKDSDYSCOGVDOLQRVIDTIKTNPDRRIIMCAWNPKDLPPLMALPPCHALCQFYVVN-----	GELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 18859519 ref NP_571835.1	YGFQWRHFGAEVKDKMTEDYSCOGVDOLQRVIDTIKSNPDRRIIMCAWNPKDLPPLMALPPCHALCQFYVN-----	GELFCOLYQRSGDMGLGVPFNIASYALLTYMIAHITGLKPGDFIHTLGDA	750
gi 30690081 ref NP_195183.2	YGFQWRHFGAKVTDMDHADYTGQGFDOLLDVINKIKNNPDRRIILSAWNPKDLPPLCMFAQFYVAN-----	GELFCOMYQRSDADMGLGVPFNIASYALLTCILANVCDLVPGDFIHVGDA	750
gi 15227185 ref NP_179230.1	YGFQWRHFGAKVTDMDHADYTGKGFQDLMVDIDIKKNPPDRRIILSAWNPKDLPPLCMFAQFYVAB-----	GELFCOMYQRSDADMGLGVPFNIASYALLTCMLANVCDLVPGDFIHVGDA	750
gi 115485535 ref NP_001067911.1	YGFQWRHFGAEVKDKMTEDYSCOGVDOLQRVIDTIKTNPDRRIILSAWNPKDLPPLCMFAQFYVES-----	GELFCOMYQRSDADMGLGVPFNIASYALLTCMIAHVCGLSPGEFVHTVGDA	750
gi 115488458 ref NP_001066716.1	-RTTMDHADYVGKGFQDLMVDIDIKKNPPDRRIILSAWNPKDLPPLCMFAQFYVEN-----	GELFCOMYQRSDADMGLGVPFNIASYALLTCMIAHVCGLSPGEFVHTVGDA	750
gi 118781473 ref XP_311491.3	YGFQWRHFGATYKTCHDGYCGGIDOLADEVIDIKKNPPDRRIIMCAWNPSDIPNMAALPPCHCLAOFFVSD-----	GELFCOMYQRSDAVGLGVPFNIASYALLTHMIAHVTLKAGEFHTTGDGT	750
gi 17137556 ref NP_477367.1	YGFQWRHFGAQYVTCDDDYSGKGIDOLRVIDTIIRNNPSDRRIIMSAWNPLDIPKMAALPPCHCLAOFFVSEKR-----	GELFCOLYQRSDADMGLGVPFNIASYALLTHMIAHVTLKPGDFVHTMGDT	750
gi 50302825 ref XP_451349.1	YGFQWRHFGAEVKTCDDDYSGQGVDOLKEIITHKLTPYDRRIILSAWNPPDFPKMAALPPCHCLQFYVSFKG---EGA-----	KPRLFCVLVYQRSCDMGLGVPFNIASYALLKMIAMVCDMEPGEFHTLGDA	750
gi 45188092 ref NP_984315.1	YGFQWRHFGAEVGTCDDDYLGKGVDPRELIDIKKNPPDRRIILSAWNPPDFPKMAALPPCHCLQFYVSFPG---EGS-----	RPLKFCOLYQRSCDMGLGVPFNIASYALLKMIAMVCDMADGEFHTMGDA	750
gi 83578104 ref NP_014717.2	YGFQWRHFGAKWKTCDDDYTGQGVDOLQKVITHKLTPYDRRIIMSAWNPPDFPKMAALPPCHCLQFYVSFPKEGRGS-----	KPRLFCLLYQRSCDMGLGVPFNIASYALLKMIAKVVDMEPGEFHTLGDA	750
gi 9115217 ref NP_594305.1	YGFQWRHFGAQYVDCDTDYTKGKVDOLAQVISTLKLTPYDRRIILSAWNPLAIPEMALPPCHCLQFYVSEPCPK---PGG-----	KPQLFCMMYQRSDADMGLGVPFNIASYALLTHMIAHVCGYEAAEFVHVMGDC	750
gi 39944952 ref XP_362013.1	YGFQWRHFGAEVTDCHADYVGQGVDOLAEVVKHLRTPYDRRMVLSAWNPKDLPKLMLVLPCHCLQFYVSYPKAGSDENGNGNTTEGADQTSSSP-----	KPQLFCOLYQRSDADMGLGVPFNIASYALLTHMIAHVTLKAGEFHTVHGDA	750
gi 32405614 ref XP_323420.1	YGFQWRHFGAKWVDCTHDYSCOGVDOLQRIITPLRNPPYDRRLILSAWNPKDMSQMVLPPCHCLQFYVSYPGSRTRGGATQONKEGELDTPPKKEKKPRGHLLHCOLYQRSDADMGLGVPFNIASYALLTHMLANVCDLVPGSITHVGDA	750	
gi 71993377 ref NP_491532.3	YGFQWRHFGAEVTNMYDNENKGVQDOLKNINILKNDPTSSRILLCAWNVKDLDQMAALPPCHCLQFYVFD-----	GKLCFCIMYQRSCDGLGVPFNIASISFTHMIAHVQCNLQPAQFHTVGNNA-----	750
gi 124505475 ref XP_001351479.1610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750	750



gi 4507751 ref NP_001062.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 114672493 ref XP_001150558.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 83716002 ref NP_001032905.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 57100565 ref XP_533309.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 73961995 ref XP_849163.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 46358062 ref NP_067263.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 9507217 ref NP_062052.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 118086858 ref XP_419147.2	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 18859519 ref NP_571835.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 30690081 ref NP_195183.2	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 15227185 ref NP_179230.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 115485535 ref NP_001067911.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 115488458 ref NP_001066716.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 118781473 ref XP_311491.3	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 17137556 ref NP_477367.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 50302825 ref XP_451349.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 45188092 ref NP_984315.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 83578104 ref NP_014717.2	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 9115217 ref NP_594305.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 39944952 ref XP_362013.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 32405614 ref XP_323420.1	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 71993377 ref NP_491532.3	HIVLNHIEPLKIO-----	LQREPRPFPKLIRL-----	KVEKIIDFFKAEDFOIEG-----	ZNPHPHTIKMEMAV-----	864
gi 124505475 ref XP_001351479.1760.....770.....780.....790.....800.....810.....820.....830.....840.....850.....860760.....770.....780.....790.....800.....810.....820.....830.....840.....850.....860	864		

