

gi|116007922|ref|NP_001036659.1|----- 150
gi|158287035|ref|XP_309088.3|----- 150
gi|7949135|ref|NP_038815.1|----- 150
gi|109464488|ref|XP_226817.4|----- 150
gi|16306595|ref|NP_005974.2|----- 150
gi|114600587|ref|XP_526948.2|----- 150
gi|73954319|ref|XP_546346.2|----- 150
gi|156120751|ref|NP_001095522.1|----- 150
gi|56118960|ref|NP_001007983.1|----- 150
gi|130496750|ref|NP_001076306.1|----- 150
gi|25148653|ref|NP_741137.1|----- 150
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

gi|116007922|ref|NP_001036659.1|-----MGIGMLDSEESSSSALSAIALAVSATSDDNSNETTPCASVSRMAHQLQHTQ 300
gi|158287035|ref|XP_309088.3|----- 300
gi|7949135|ref|NP_038815.1|----- 300
gi|109464488|ref|XP_226817.4|----- 300
gi|16306595|ref|NP_005974.2|----- 300
gi|114600587|ref|XP_526948.2|----- 300
gi|73954319|ref|XP_546346.2|----- 300
gi|156120751|ref|NP_001095522.1|----- 300
gi|56118960|ref|NP_001007983.1|----- 300
gi|130496750|ref|NP_001076306.1|----- 300
gi|25148653|ref|NP_741137.1|----- 300
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300

gi|116007922|ref|NP_001036659.1|-----RLSLGSGTGDITLDSPAVEDLSMSRQSAEKLILAQAKRSLSGSESGNNSPSKRLRNPLAAVLCNNIDGTASLNFQPTSLRLAQVRQAKKPSLTNITLRIVAADSFVFRTPAMSAHNSGINYFERLSDLEILLDIFKWLFPKKTLLR 450
gi|158287035|ref|XP_309088.3|-----MDPPSNKGRPLNVSNNVNRQCKSNVPPPHDPLSEEQLKAPHGSEBFAFFMYRKNQKATYGEEDLFSLLSDEVLLHLKWLKPKTLLS 450
gi|7949135|ref|NP_038815.1|-----MHRKHLQEIPLD-QSGNVTTSFTWGWDSSTKTELLSGMGVSALEKEEVDSENIPHGLLNLGHQPSPPRKRLKSKGSKDKDFVVIIRRPKLNRENFPVGSWDSLDELLELLGIFSCLCLEPELLR 450
gi|109464488|ref|XP_226817.4|-----MHRKHLQEIPLD-QSSNVTTSFTWGWDSSTKTELLSGMGVSALEKEEVDSENIPHGLLNLGHQPSPPRKRLKSKGSKDKDFVVIIRRPKLNRENFPVGSWDSLDELLELLGIFSCLCLEPELLR 450
gi|16306595|ref|NP_005974.2|-----MHRKHLQEIPLD-LSSNVAFTWGWDSSTKTELLSGMGVSALEKEEVDSENIPHGLLNLGHQPSPPRKRLKSKGSKDKDFVVIIRRPKLNRENFPVGSWDSLDELLELLGIFSCLCLEPELLR 450
gi|114600587|ref|XP_526948.2|-----MHRKHLQEIPLD-QSSNVTTSFTWGWDSSTKTELLSGMGVSALEKEEVDSENIPHGLLNLGHQPSPPRKRLKSKGSKDKDFVVIIRRPKLNRENFPVGSWDSLDELLELLGIFSCLCLEPELLR 450
gi|73954319|ref|XP_546346.2|-----PKRESRRRAVLQLMHAFKTPAIVDAMHRKHLQEIPLD-QSSNVTTSFTWGWDSSTKTELLSGMGVSALEKEEVDSENIPHGLLNLGHQPSPPRKRLKSKGSKDKDFVVIIRRPKLNRENFPVGSWDSLDELLELLGIFSCLCLEPELLR 450
gi|156120751|ref|NP_001095522.1|-----MHRKHLQEIPLD-QSSNVTTSFTWGWDSSTKTELLSGMGVSALEKEEVDSENIPHGLLNLGHQPSPPRKRLKSKGSKDKDFVVIIRRPKLNRENFPVGSWDSLDELLELLGIFSCLCLEPELLR 450
gi|56118960|ref|NP_001007983.1|-----RVRRDARLGEHCCEEQESPQASAMLRKHLQEIPLD-QSSNVTTSFTWGWDSSTKTELLSGMGVSALEKEEVDSENIPHGLLNLGHQPSPPRKRLKSKGSKDKDFVVIIRRPKLNRENFPVGSWDSLDELLELLGIFSCLCLEPELLR 450
gi|130496750|ref|NP_001076306.1|-----MSNERVFLSENLEGLSCLRSQRKWK--KRPSCSSGLDENTPNELIQQWSPPHKALTTAKGKENEENLFLVLRPRPKRRESANLCLWDSLDELLELLGIFSRLLQDILLR 450
gi|25148653|ref|NP_741137.1|-----MSNRVIGRLSTLENGPSENHCVETVFSDELTISIFPCYNLVPKKSLRSLVSGNSELKSLNINLCKN--LVDEIAPIKRKRARSIQNPFKKLS-IFDEITQEIFSNLKKKDLLS 450
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi|116007922|ref|NP_001036659.1|-----MATVCRRFNRCSRDETLWTRLDLGLRTIRPGALEQIVRRGVLVIRLAQTSIQEPAFAPY---TEVFR--LRLOQLDLMSASTRSLTLTLHCRQLKKIENLEIELDDICAEIAKNEALEAVNLTMASGLNSVRLMMEIETLSSLI 600
gi|158287035|ref|XP_309088.3|-----CGQVNRRENVRVSKDETLWYRLDLSNRTLQDFGLVEVLRGVIIVLRLAQTSIVNPTPSN---YLEFPACTIKVOYLDLSMCTVSLAVLGCALLANRALVKLSLENVPLDGRICAEIAENRKLALNLMCSGIDATCMRLMAKALRLHSL 600
gi|7949135|ref|NP_038815.1|-----VSGVCKRWYRLSLDESLSLWQSLDLGKLNLPDVTVIRLLSRGVAFRCPRSFMEQPLGES---FSSFRVQHMDSLNSVINVNLHKLSECSKLNLSLEGLQLSDPIVKTLAGQENLVRLNLCCGSGFSESAVATLLSSCSRDEL 600
gi|109464488|ref|XP_226817.4|-----VSGVCKRWYRLSLDESLSLWQSLDLGKLNLPDVTVIRLLSRGVAFRCPRSFMEQPLGES---FSSFRVQHMDSLNSVINVNLHKLSECSKLNLSLEGLQLSDPIVKTLAGQENLVRLNLCCGSGFSESAVATLLSSCSRDEL 600
gi|16306595|ref|NP_005974.2|-----VSGVCKRWYRLASDESLSLWQTLDLTGKLNLPDVTGRLLSQGVIAFRCPRSFMDQPLAEH---FSPFRVQHMDSLNSVIEVSTLHGILSQCSKLNLSLEGLRLSDPIVNLAKNSLVRLNLCCGSGFSEFALQTLSSCSRDEL 600
gi|114600587|ref|XP_526948.2|-----VSGVCKRWYRLASDESLSLWQTLDLTGKLNLPDVTGRLLSQGVIAFRCPRSFMDQPLAEH---FSPFRVQHMDSLNSVIEVSTLHGILSQCSKLNLSLEGLRLSDPIVNLAKNSLVRLNLCCGSGFSEFALQTLSSCSRDEL 600
gi|73954319|ref|XP_546346.2|-----VSSVCKRWYHLAFDESLSLWQTLDLTGRNLPDVTIGRLLSRGVAFRCPRSFMDQPLVEH---FSSFRVQHMDSLNSVIDVSTLHGILSQCSKLNLSLEGLQLSDPIVNNLQNSLVRLNLCCGSGFSESALKITLLSSCSRDEL 600
gi|156120751|ref|NP_001095522.1|-----VSSVCKRWYHLAFDESLSLWQTLDLTGRNLPDVTIGRLLSRGVAFRCPRSFMDQPLVEH---FSPFRVQHMDSLNSVIDVSTLHGILSQCSKLNLSLEGLRLSDPIVNDLQNTNLLRLNLCCGSGFSESALKITLLSSCSRDEL 600
gi|56118960|ref|NP_001007983.1|-----VSMICKRWHRLSFDESLSLWQTLDLTCSRLLPGVIGQLPAGVIAFRCPRSFMDQPLVEH---FSPFRVQHMDSLNSVIDVSTLHGILSQCSKLNLSLEGLRLSDPIVNDLQNTNLLRLNLCCGSGFSESALKITLLSSCSRDEL 600
gi|130496750|ref|NP_001076306.1|-----TSRVCKRWYHLAFDESLSLWQTLDLVGRQAQDLAEQVQLVAGVLRRLRCPHTCIGQPSSEKSLFSLRVOHLDLFSNCTVEVSLVEDVLRCKHQLNLSLEGLVLDNIIYSLAQNPETIIRNLCCGSGFSESITLMTLACTRIEM 600
gi|25148653|ref|NP_741137.1|-----AMLVCHRFPYGIHRSRNIWITDAQDRPISEISLIALSRKIKVLRLAGAADRILRADERLVEVALLSTSRLELLDLSRNLTRQMQLMFKCOKLKLCTEIGNQLDDHVAICTAENRGLRELDISMNGITANGASLIFRNCQDQL 600
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



