

gi	194440722	ref	NP_001123959.1	-----MKVLGHRLELLTGLLLHDVIMAGLQELRFPPEEK	150
gi	114662816	ref	XP_511222.2	-----MKVLGHRLELLTGLLLHDVIMAGLQELRFPPEEK	150
gi	73950323	ref	XP_853829.1	-----MRKPGPHRVPPSEGAATAAAVPPQASEAAMVPLDGSVQCPQPRVALATAAVPQDGEYGMKAQRRRGERGEGGSESAPGSRQLRPPSRRLRECFPPRLFTPLRPGRARSPRRRDEGAGTODRTADRVLVHEVNMGGLOELRFPPEEK	150
gi	115496750	ref	NP_001069163.1	-----	150
gi	113681458	ref	NP_001038638.1	-----	150
gi	113674619	ref	NP_001038742.1	-----	150
gi	14010841	ref	NP_114173.1	-----	150
gi	21704212	ref	NP_663577.1	-----	150
gi	118096088	ref	XP_001231665.1	MAIFLGTPTPTQPCIRSSPVSIIASPCSLSECTAPPVPSQLHCQPFVPPSLVPIIRPAPLPAAPSPAPLLEVPABGRIRPQPCRLAPAPPCALLSAPLRSGSARSPRR---GRRPGMKVLRHKIPELLGLLQEMTMAGLHELRFPEEK	150

1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

gi	194440722	ref	NP_001123959.1	-----PLLRGDATELESSDAFLAADTDWK-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	114662816	ref	XP_511222.2	-----PLLRGDATELESSDAFLAADTDWKVGEKNAGAVKLAGLDPRWSPGHLLSPGHQ-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	73950323	ref	XP_853829.1	-----PLLPGQEPPOLENSEDTFLLAMTDWK-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	115496750	ref	NP_001069163.1	-----MPECWDG-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	113681458	ref	NP_001038638.1	-----MPECWDG-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	113674619	ref	NP_001038742.1	-----MPECWDG-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	14010841	ref	NP_114173.1	-----MPECWDG-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	21704212	ref	NP_663577.1	-----MPECWDG-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300
gi	118096088	ref	XP_001231665.1	-----PLLRGQD-AELENADVFLSADTDWK-----EHDIEIPYGLLHVIRGSPKGNRPAILTYHDVGLNHKLCFNITFFNFEDMOEITKHFVVCVDAPGQOVGASOFFQGYOFFPSMEQLAAMLPSVVQ	300

.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi	194440722	ref	NP_001123959.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	114662816	ref	XP_511222.2	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	73950323	ref	XP_853829.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	115496750	ref	NP_001069163.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	113681458	ref	NP_001038638.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	113674619	ref	NP_001038742.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	14010841	ref	NP_114173.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	21704212	ref	NP_663577.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450
gi	118096088	ref	XP_001231665.1	-----HFGFKYVIGIGVGGAGAVLAKFALIFPDLVEGLVLMNIDPNKKGWIDWAATKLSGLTSLPDTVLSHLFSQEBELVNNTLQVSYRQOIGNVNVQANLQLFWNMYSRRDLDIRPGTVPNAKTLRCPVMLVVGDNAPAEQGVVECNKSLD	450

.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi	194440722	ref	NP_001123959.1	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGY-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	114662816	ref	XP_511222.2	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGY-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	73950323	ref	XP_853829.1	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGY-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	115496750	ref	NP_001069163.1	-----PNTTFLK-----PGKLEAFKYFLOGMGYIAYMKDRRSLGGAVP-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	113681458	ref	NP_001038638.1	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGYIAYMKDRRSLGGAVP-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	113674619	ref	NP_001038742.1	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGYIAYMKDRRSLGGAVP-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	14010841	ref	NP_114173.1	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGYIAYMKDRRSLGGAVP-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	21704212	ref	NP_663577.1	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGYIAYMKDRRSLGGAVP-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562
gi	118096088	ref	XP_001231665.1	-----PNTTFLKMASSGGLPQVTPGKLEAFKYFLOGMGYIAYMKDRRSLGGAVP-----PSASMTLARSRTASLTSASSVDGSRPQACTHSESSEGLGQVNHTEVSC-----	562

.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560

