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gi | 112181167 | ref | NP_031599.2 | MLPLLRVCVPRALGAAASGLRATAPQPLRHLLOPAPRPLRPFGLLSVRAGSARRSGLLQPPVPP---CACGGALHTEGDKAFVFLTDEIKEEKKIOKH---KSLPKMSGDWELEVNGTEAKLLRKVAGEKITVTFNINNSIPPTFDGE 144
gi | 48675371 | ref | NP_062132.2 | MLPLLRVCVPRALGAAATGLRASIAPAPPLRHLLOPAPRPLRPFGLLSVRAGSARRSGLLQPPVPP---CACGGALHTEGDKAFVFLTDEIKEEKKIOKH---KSLPKMSGDWELEVNGTEAKLLRKVAGEKITVTFNINNSIPPTFDGE 144
gi | 4502491 | ref | NP_001203.1 | MLPLLRVCVPRVLGSSVAGLRAAAPASPPRQLLOPAPRPLRPFGLLSVRAGSERRPGLLRPRGPC-ACGGCGSLHTDGDKAFVDFLSDEIKEEKKIOKH---KSLPKMSGGWELELNGTEAKLVRKVAGEKITVTFNINNSIPPTFDGE 146
gi | 114665952 | ref | XP_511993.2 | MLPLLRVCVPRVLGSSVAGLRAAAPASPPRQLLOPAPRPLRPFGLLSVRAGSERRPGLLRPRGPC-ACGGCGSLHTDGDKAFVDFLSDEIKEEKKIOKH---KSLPKMSGGWELELNGTEAKLVRKVAGEKITVTFNINNSIPPTFDGE 146
gi | 73955331 | ref | XP_546568.2 | MLPLLRVCVPRVLGSAVAGLR-AAAPALPPFTLLRPAAPRCPVRFGLLFRAG-----LLRSRGP-----CGGGCGLHTDGDKAFVDFLNDIIEEKKIOKH---KSLPKMSGGWELDMNGTEAKLVRKVAGEKITVTFNINNSIPPTFDGE 137
gi | 77736001 | ref | NP_001029699.1 | MFQLLRVCVPRVLGTAVALGRLAAAPSLR---LQASRP CARPFGLLSVRASVQLPGLLPRGPC-ACGGCGSLHTDGDKAFVDFLSDEIKEEKKIOKH---KSLPKMSGGWELEVNGTEAKLVRKVAGEKITVTFNINNSIPPAFGGE 143
gi | 62955689 | ref | NP_001017858.1 | ---MLKSVTRAL---QLSARLSSRSSANRRTAPISR---SFWSLRSPGAAAAARPKILTAARALPTLSCGGGLHTDGDKAFVDFLSDEIKEEKKIOKH---KSLPKMSGGWELELNGTEAKLIRSLAGEKITVTFNINNSIPPAQLE--- 134
gi | 118100069 | ref | XP_415748.2 | ---MAAPGAEQRCFPPLR---LRLSKLLG-----APPPPPQGHAGGGSRTAAARARERKRPEHFRVSRLSPSR---HAAPTMSGGWELEVHGTPSRRLVRKVAGEKITVTFNINNSIPPAVD--- 109
gi | 20130085 | ref | NP_611243.1 | -MNSLRATMRFAALASSAGSLKGRDFTRSLWH---MTKKPVTAGGSDHVTVLNLHKPSINCTCCG---NVHTKCERELVEFLTEIIVAEKRVKQK---KTVPSILDGFVKLTGADVELTKQTDKEKVVVVFNVN---HTVDSB 133
gi | 158298255 | ref | XP_318437.3 | MIRNVR--FLRWAVGKSEFTSGKSTTTVAPCSQWNAIIAQSSGIATCNIKPLSAMSQMSAKHAAGFSIASRQIHTKGERELVEFLAEEIIVAEKRSAPS---AIIPTSLNGFAITCNKADVELTKSSEREKIIISFNVN---HTVDMB 141
gi | 17553758 | ref | NP_497701.1 | -----MNTASLVRSLSRVALRSSQVVRMAAPRHFSQSAKVLVSTP-----ELQALNREIEAEQQLSSDNLQGAVAPTFAGFQVTKDAEVRLTKKNGSEDIIVVFNVN---HSVDM 105
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

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gi | 112181167 | ref | NP_031599.2 | EE-PSQGKAEQEPPELSTPNFVVEVTK-TDGKKILVLVDCHYPDEDEIGH-EDEAESDIFSIKEVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 279
gi | 48675371 | ref | NP_062132.2 | EE-PSQGKAEQEPPELSTPNFVVEVTK-TDGKKILVLVDCHYPDEDEIGH-EDEAESDIFSIKEVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 279
gi | 4502491 | ref | NP_001203.1 | EE-PSQGKAEQEPPELSTPNFVVEVIKDDGKKALVLVDCHYPDEDEIGH-EDEAESDIFSIKEVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 282
gi | 114665952 | ref | XP_511993.2 | EE-PSQGKAEQEPPELSTPNFVVEVIKDDGKKALVLVDCHYPDEDEIGH-EDEAESDIFSIKEVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 282
gi | 73955331 | ref | XP_546568.2 | EE-PAQGGKAEQEPPELSTPNFVVEVIK-DGGKRALVLVDCHYPDEDEIGH-EDEAESDIFSIKEVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 272
gi | 77736001 | ref | NP_001029699.1 | EEPSQGKAEQEPPELSTPNFVVEVTK-DGSSKALVLVDCHYPDEDEIGH-EDD-QSDIFSIKEVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 278
gi | 62955689 | ref | NP_001017858.1 | EE-PEETQKSEEEEDIVSTPNFVVEVTK-SGAKNSLVDFCHFPDEDEVGHGDGEEESDIFTIREVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 270
gi | 118100069 | ref | XP_415748.2 | DEAPERQKPEDEEEDIVSTPNFVVEVIK-DDIKQILVLVDCHYPDEDEIGH-EGEEESDIFTIREVSFOATGSEWRDNTNYTLNTDSLWDALYDHLMD-FLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFFVKNG- 245
gi | 20130085 | ref | NP_611243.1 | EEPEINPNADKPDLGEMRSKPFQEVDIK---GNSLSTFTCSFLQGEAQE--GEYN---DVFSIDEMAIFFGEWNDKVVAVAGDVLDDGVLVDLLIN-LLEEKGISQEFAEKLSDLAFAHEHTSYIGLLEKLSKFTAGGK 263
gi | 158298255 | ref | XP_318437.3 | GE-EAEATENKPEFSAMKSRPQFEVDIVR---GGTILSFTCSFLPGEAQE--GEYN---DVFSIDEMAIFFGEWNDKVVAVAGDVLDDGVLVDLLIN-LLEEKGISQEFAEKLSDLAFAHEHTSYIGLLEKLSKFTAGGK 270
gi | 17553758 | ref | NP_497701.1 | EGFDDKPS--QAVAFVFPVMPFFIVVEITK---GDQRLCPHLELVPVDDQP--DEYDFRVEEFVYVPSAKNGNEDVPSVYVASSGKYIDPLDHLDFVRLLEERGLDARFCKTLVAVAHYEHSSVYVGLLDKIKKFTSK-- 236
-----160-----170-----180-----190-----200-----210-----220-----230-----240-----250-----260-----270-----280-----290

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