

gi | 114326482 | ref | NP_033309.3 | MSQWPELQQLDSKFLQVHLYDDSPFMEIRQYLAQWLEKQDWEHAAY--DVSFATIRFHDLSSQLDDOYSRFSELENNFLLQHNIRKSKRNLDQNFQEDPVMQSMIIYVCLKEERKILENAORFNQAQSGNION--IVMLDKQKELDSKV 150
gi | 77695926 | ref | NP_116001.2 | MSQWPELQQLDSKFLQVHLYDDSPFMEIRQYLAQWLEKQDWEHAAY--DVSFATIRFHDLSSQLDDOYSRFSELENNFLLQHNIRKSKRNLDQNFQEDPVMQSMIIYVCLKEERKILENAORFNQAQSGNION--IVMLDKQKELDSKV 150
gi | 74005006 | ref | XP_848353.1 | MSQWPELQQLDSKFLQVHLYDDSPFMEIRQYLAQWLEKQDWEHAAY--DVSFATIRFHDLSSQLDDOYSRFSELENNFLLQHNIRKSKRNLDQNFQEDPVMQSMIIYVCLKEERKILENAORFNQAQSGNION--IVMLDKQKELDSKV 150
gi | 118151390 | ref | NP_001071368.1 | MSQWPELQQLDSKFLQVHLYDDSPFMEIRQYLAQWLEKQDWEHAAY--DVSFATIRFHDLSSQLDDOYSRFSELENNFLLQHNIRKSKRNLDQNFQEDPVMQSMIIYVCLKEERKILENAORFNQAQSGNION--IVMLDKQKELDSKV 150
gi | 6274552 | ref | NP_009330.1 | MSQWPELQQLDSKFLQVHLYDDSPFMEIRQYLAQWLEKQDWEHAAY--DVSFATIRFHDLSSQLDDOYSRFSELENNFLLQHNIRKSKRNLDQNFQEDPVMQSMIIYVCLKEERKILENAORFNQAQSGNION--IVMLDKQKELDSKV 150
gi | 61098368 | ref | NP_001012932.1 | MFWYQLQQLDSKFLQVHLYDDSPFMEIRQYLAQWLEKQDWEHAAY--NVSFATVLFHDLSSQLDDOYSRFLIENNFLLQHNIRKSKRNLDQNFQEDPIHMMAMIIHCLKEERKILNSAQLSNQMVGGVONMIGGLMDKQKELDAKV 150
gi | 18859433 | ref | NP_571555.1 | MFCWLELQQLDPKFLQVDDNFYDNPFAIRQYLSWSWLESWDHVDVANVNESLAVRFHDLTQLDQHSRFRVMEKDFLNOHNRKFRKRNLDQNFQEDPVMQSMIIYVCLKEERKILNSAQLSNQMVGGVONMIGGLMDKQKELDAKV 150
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150



gi | 114326482 | ref | NP_033309.3 | RNVKDVVNCIEHEIKTLEELQDEYDFKCKTISDNREGEANGVAKSDQKQEQQLLHKMFLMLDNKRKEIHKIRELLNSELTQNTLINDLVWKRROQSACIGGPPNACLDOLQSWFTIVAESLQOVRQOLKLEELQKFTYEHDPITK 300
gi | 77695926 | ref | NP_116001.2 | RNVKDVVNCIEHEIKTLEELQDEYDFKCKTISDNREGEANGVAKSDQKQEQQLLHKMFLMLDNKRKEIHKIRELLNSELTQNTLINDLVWKRROQSACIGGPPNACLDOLQSWFTIVAESLQOVRQOLKLEELQKFTYEHDPITK 300
gi | 74005006 | ref | XP_848353.1 | RNVKDVVNCIEHEIKTLEELQDEYDFKCKTISDNREGEANGVAKNDQKQEQQLLQKMYLMLDNKRKEVVLKIIELLNVELTQKALINDLVWKRROQSACIGGPPNACLDOLQSWFTIVAESLQOVRQOLKLEELQKFTYEHDPITK 300
gi | 118151390 | ref | NP_001071368.1 | RNVKDVVNCIEHEIKTLEELQDEYDFKCKTISDNREHEHTNGVAKNDQKQEQQLLQKMYLMLDNKRKEVVLKIIELLNVELTQKALINDLVWKRROQSACIGGPPNACLDOLQSWFTIVAESLQOVRQOLKLEELQKFTYEHDPITK 300
gi | 6274552 | ref | NP_009330.1 | RNVKDVVNCIEHEIKTLEELQDEYDFKCKTISDNREHEHTNGVAKSDQKQEQQLLQKMYLMLDNKRKEVVLKIIELLNVELTQKALINDLVWKRROQSACIGGPPNACLDOLQSWFTIVAESLQOVRQOLKLEELQKFTYEHDPITK 300
gi | 61098368 | ref | NP_001012932.1 | KAVKNSVTDVQDIKTLQDEYDFKCKTISDNREHEHTNGVAKSDQKQEQQLLQKMYLMLDNKRKEVVLKIIELLNVELTQKALINDLVWKRROQSACIGGPPNACLDOLQSWFTIVAESLQOVRQOLKLEELQKFTYEHDPITK 300
gi | 18859433 | ref | NP_571555.1 | KDIKNKVQDAEQTIKTLQDEYDFKCKTISDNREHEHTNGVAKSDQKQEQQLLQKMYLMLDNKRKEVVLKIIELLNVELTQKALINDLVWKRROQSACIGGPPNACLDOLQSWFTIVAESLQOVRQOLKLEELQKFTYEHDPITK 300
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi | 114326482 | ref | NP_033309.3 | NKQVLSDRITFLFQQLIQLSSFVVERQPCMPHPQRPLVLTGVOFTVKLRLLVVKLQELNYNLKVKVLPDKDVNERNVKGFRKFNILGHTTKVMNMBESTNGSLAAEFRHLQKQKAGNRTNEGPLIVTEELHSLSFETQLCOPGLVI 450
gi | 77695926 | ref | NP_116001.2 | NKQVLSDRITFLFQQLIQLSSFVVERQPCMPHPQRPLVLTGVOFTVKLRLLVVKLQELNYNLKVKVLPDKDVNERNVKGFRKFNILGHTTKVMNMBESTNGSLAAEFRHLQKQKAGNRTNEGPLIVTEELHSLSFETQLCOPGLVI 450
gi | 74005006 | ref | XP_848353.1 | NKQGLWDRITFLFQQLIQLSSFVVERQPCMPHPQRPLVLTGVOFTVKLRLLVVKLQELNYNLKVKVLPDKDVNERNVKGFRKFNILGHTTKVMNMBESTNGSLAAEFRHLQKQKAGNRTNEGPLIVTEELHSLSFETQLCOPGLVI 450
gi | 118151390 | ref | NP_001071368.1 | NKQALWDRITFLFQQLIQLSSFVVERQPCMPHPQRPLVLTGVOFTVKLRLLVVKLQELNYNLKVKVLPDKDVNERNVKGFRKFNILGHTTKVMNMBESTNGSLAAEFRHLQKQKAGNRTNEGPLIVTEELHSLSFETQLCOPGLVI 450
gi | 6274552 | ref | NP_009330.1 | NKQVLDRTITFLFQQLIQLSSFVVERQPCMPHPQRPLVLTGVOFTVKLRLLVVKLQELNYNLKVKVLPDKDVNERNVKGFRKFNILGHTTKVMNMBESTNGSLAAEFRHLQKQKAGNRTNEGPLIVTEELHSLSFETQLCOPGLVI 450
gi | 61098368 | ref | NP_001012932.1 | NKQVLDRTITFLFQQLIQLSSFVVERQPCMPHPQRPLVLTGVOFTVKLRLLVVKLQELNYNLKVKVLPDKDVNERNVKGFRKFNILGHTTKVMNMBESTNGSLAAEFRHLQKQKAGNRTNEGPLIVTEELHSLSFETQLCOPGLVI 450
gi | 18859433 | ref | NP_571555.1 | SKITSEERIMSNLKNLVTNQLVVERQPCMPHPQRPLVLTGVOFTVKLRLLVVKLQELNYNLKVKVLPDKDVNERNVKGFRKFNILGHTTKVMNMBESTNG--MAAEFRHLQKQKAGNRTNEGPLIVTEELHSLSFETQLCOPGLVI 450
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi | 114326482 | ref | NP_033309.3 | DLETTSLPVVISNVSQLPQGWASILWYNMLVTEPRNLSFFLNPCCAWWSQLEVLVSWQFSSVTKRGLNADQLSMLGKLLGPNAG--PDGLIPWTRFCKENINDKNFSFWPWIDTILELIKHLKLLCWLNDGCMGFIISKERERALLKDQ 600
gi | 77695926 | ref | NP_116001.2 | DLETTSLPVVISNVSQLPQGWASILWYNMLVTEPRNLSFFLNPCCAWWSQLEVLVSWQFSSVTKRGLNADQLSMLGKLLGPNAG--PDGLIPWTRFCKENINDKNFSFWPWIDTILELIKHLKLLCWLNDGCMGFIISKERERALLKDQ 600
gi | 74005006 | ref | XP_848353.1 | DLETTSLPVVISNVSQLPQGWASILWYNMLVTEPRNLSFFLNPCCARWSQLEVLVSWQFSSVTKRGLNADQLSMLGKLLGPNAG--PDGLIPWTRFCKENINDKNFPFWLWIESILELIKHLKLLCWLNDGCMGFIISKERERALLKDQ 600
gi | 118151390 | ref | NP_001071368.1 | DLETTSLPVVISNVSQLPQGWASILWYNMLVTEPRNLSFFLNPCCARWSQLEVLVSWQFSSVTKRGLNADQLSMLGKLLGPNAG--PDGLIPWTRFCKENINDKNFPFWLWIESILELIKHLKLLCWLNDGCMGFIISKERERALLKDQ 600
gi | 6274552 | ref | NP_009330.1 | DLETTSLPVVISNVSQLPQGWASILWYNMLVTEPRNLSFFLNPCCARWALSQLEVLVSWQFSSVTKRGLNADQLSMLGKLLGPNAG--PDGLIPWTRFCKENINDKNFPFWLWIESILELIKHLKLLCWLNDGCMGFIISKERERALLKDQ 600
gi | 61098368 | ref | NP_001012932.1 | ELETTSLPVVISNVSQLPQGWASILWYNMLVTEPRNLSFFLNPCCAKWSEKLEVLVSWQFSSVTKRGLNADQLSMLGKLLGPTSGSDGLIPWTRFCKENINDKNFPFWLWIEGILELIKHLKLLCWLNDGCMGFIISKERERALLKDQ 600
gi | 18859433 | ref | NP_571555.1 | NPETTSLPVVISNVSQLPQGWASIMWYNMLVTEPRNLSFFVTPPPATWQQLQEVLSWQFSSITKRGLNPEQLSMLGNKLLGPKAASDPEAQIPWTRFCKSGS--EKNFTFWLWIEAVLDLIKHLKLLCWLNDGCMGFIISKERERALLKDQ 600
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



gi | 114326482 | ref | NP_033309.3 | QPGTFLLRFSESSREGAIFPTWVERSONGGEPDFHVAPEPYTKKELSAVTPDDIIRNYKVMAAENIPENPLKYLVPNDKDHAFGKYYSRPKEAPEPEMELDDPKRTGYIKTELISVSEVHPSRLQTTDNLPMSPPEEFDEMSRIVG--PEFD 750
gi | 77695926 | ref | NP_116001.2 | QPGTFLLRFSESSREGAIFPTWVERSONGGEPDFHVAPEPYTKKELSAVTPDDIIRNYKVMAAENIPENPLKYLVPNDKDHAFGKYYSRPKEAPEPEMELDDPKRTGYIKTELISVSEVHPSRLQTTDNLPMSPPEEFDEMSRIVG--SEFD 750
gi | 74005006 | ref | XP_848353.1 | QPGTFLLRFSESSREGAIFPTWVERAQQGGEPDFHVAPEPYTKKELSAVTPDDIIRNYKVMAAENIPENPLKFLVNPDKDHAFGKYYSRPKEAPEPEMELDDGPKGTGYIKTELISVSEVHPSRLQTTDNLPMSPPEEFDEMSRIVG--VEFD 750
gi | 118151390 | ref | NP_001071368.1 | QPGTFLLRFSESSREGAIFPTWVERSONGGEPDFHVAPEPYTKKELSAVTPDDIIRNYKVMAAENIPENPLKFLVNPDKDHAFGKYYSRPKEAPEPEMELDDGPKGTGYIKTELISVSEV-- 750
gi | 6274552 | ref | NP_009330.1 | QPGTFLLRFSESSREGAIFPTWVERSONGGEPDFHVAPEPYTKKELSAVTPDDIIRNYKVMAAENIPENPLKYLVPNDKDHAFGKYYSRPKEAPEPEMELDDGPKGTGYIKTELISVSEVHPSRLQTTDNLPMSPPEEFDEMSRIVG--VEFD 750
gi | 61098368 | ref | NP_001012932.1 | RPTGTFLLRFSESSREGAIFPTWVEGSON--EPQFHSVSEPYTKKELSAVTPDDIIRNYKVMAAENIPENPLRFLVNPDKDNFAGKYYSRPKEAPEPEMELDDGPKGTGYIKTELISVSEVHPSRLQTTDNLPMSPPEEFDEMSRIVG--PAED 750
gi | 18859433 | ref | NP_571555.1 | APGTFLLRFSESSNRDGAIFPTWVEHDAN--DPQIRSVSEPYTKKELSAVTPDDIIRNYKVMAAENIPENPLRFLVNPDKDNFAGKYYTKPTDQPEMDDKKADEGYSITLISISEMKFQ--EYENLPMSPPEVYGELEMRNRFDTVQ 750
.....610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750



| | | | | | | | | | | | | | | | |
|----|--|-----------|--|-----|--|----------------|--|---|---|---|---|-----|-----|-----|---|
| gi | | 114326482 | | ref | | NP_033309.3 | | S | M | S | V | --- | 760 | | |
| gi | | 77695926 | | ref | | NP_116001.2 | | S | M | S | A | --- | 760 | | |
| gi | | 74005006 | | ref | | XP_848353.1 | | S | M | H | A | --- | 760 | | |
| gi | | 118151390 | | ref | | NP_001071368.1 | | - | - | - | - | --- | 760 | | |
| gi | | 6274552 | | ref | | NP_009330.1 | | S | M | N | V | --- | 760 | | |
| gi | | 61098368 | | ref | | NP_001012932.1 | | V | M | C | S | A | Y | A | |
| gi | | 18859433 | | ref | | NP_571555.1 | | L | E | P | A | D | L | M | M |
| | | | | | | | | . | . | . | . | . | . | 760 | |

