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gi |18921183|ref|NP_573039.1|-----MPPRPVLLIHGG--AGDISDSRIAGKFGAIKQALRSAWGLLSPDNGSGGGSAALDAVEAAVRSRMELEDFENFAGYGCCLNITSGQVLEASLMEGRDLRAGCITLLRDVMHF 150
gi |119113374|ref|XP_309550.3|-----VVEPVLIVHGG--AGTVSEDRIPGKLRGVTLAATVGYQVLRARN-----GTVVEAVEQAVRIMEADRFFNAGYGAALNIEGDVELDASIMDGATKALGSLSLGRDLLHP 150
gi |50744810|ref|XP_419885.1|-----MRPVLIVHGG--AGRIFKERIEGCRITGVVRAALRGYVGLRQG-----GSALDAVEAEVRSRMELEDFENFAGYGCCLNITSGQVLEASLMEGRDLRAGCITLLRDVMHF 150
gi |61806630|ref|NP_001013547.1|-----MLPVVVVHGG--AGHIFKERTEEESTIGVKEAARTGYAILRGR-----GSAVDAVVEAVALMETNPRFNAGRGSVLLNFKGEVEMDALVMDGRTLDSGAVSAVRRIANP 150
gi |31560239|ref|NP_079886.2|-----MACARGITVAPVVRASIDVSLVVVVHGGG--ASNISANKRELVRGLIARAALTEGYKILKAG-----GSAVDAVEGAVTVLENDPEFNAGYGSVLLNVNGDIEMDASIMDGKDLGAGAVSAVRCIANP 150
gi |21489983|ref|NP_659557.1|-----MAIARPSSCGRDSEVPATPRASIDVSLVVVVHGGG--ASNISAPGRKELVSEGLAKAATEGYNILKAG-----GSAVDAVEGAVTMLENDPEFNAGYGSVLLNADGDIEMDASIMDGKDLGAGAVSAVRCIANP 150
gi |145275202|ref|NP_001077395.1|-----MNPIVVVHGGG--AGPISKDRKERVHGMVRAATVGYGILREG-----GSAVDAVEGAVVALEDDPEFNAGYGSVLLNNGEVEMDASIMDGKDLGAGAVSAVRCIANP 150
gi |114637985|ref|XP_001141096.1|MLLVVAVSSRRRGAADVPGGCGAGSTOLEVSAASACGALGSGADMNPIVVVVHGGG--AGPISKDRKERVHGMVRAATVGYGILREG-----GSAVDAVEGAVVALEDDPEFNAGYGSVLLNNGEVEMDASIMDGKDLGAGAVSAVRCIANP 150
gi |57100467|ref|XP_540910.1|-----MNPDPVNPVNPVIVVHGGG--ASKISKDRKERVROGIMKAAQAGYKILTEG-----GSAVDAVEGAVTILEDHPFNAGCGSVLLNANGDVEMDASIMNGKDLGAGAVSAVRCIANP 150
gi |116004289|ref|NP_001070503.1|-----MNPVIVVHGGG--ASNISKDRKERVROGILRAATVGYNILLRQG-----GSAVDAVEGAVTVLEDDPEFNAGCGSVLLNENGEVEMDASIMNGKDLGAGAVSAVRCIANP 150
gi |18401029|ref|NP_566536.1|-----MGWATAVHGGAGIDPNLPAPRQEEAKQLLIRCLNLGITALRSN-----VSAIDVVELVIRELETPLPFNSGRGSAALTEKGTVMEMASIMDCIKRRRCGAVSGITIVKINP 150
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

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gi |18921183|ref|NP_573039.1|ITVARRLMEKQRHTFLGAAQAQLALATGSEERLQF--GALVTEGARLTTLKEFEDQVAQKDPFFARTEL-----DQKVPVKTPSPGSEITVAVAMDASGQIVVGTSTGGITGKWPGRIGDTPILGSGTWADNCRGGVSTTGHEGTELM 300
gi |119113374|ref|XP_309550.3|ISLARVMERSCHNFLICDGLVSAFALDRGRFLEPPGQLVTOYSMDALEEWKAS-----DOSVRSGE--GGTVGAVIDANGNIAAATSTGGVTGKRVGRVGDTPIIIGSGTVADNGLGGVSLTGDGDIIM 300
gi |50744810|ref|XP_419885.1|IKLARLVMEKTKHMLLDHGAQLFAQAMGVP--EIPGKELIERSRERWKKN--LEPDS-----NPVEFOK--DLGTVGAVAVDSEGNVACATSTGGLSNKLVRVGDTCACIGSGGYADNNSGATSTTGHEGTEIM 300
gi |61806630|ref|NP_001013547.1|VQLARLVMEKTKHLCLIAEGASKFARSMGVP--EVEEESLIIDYAKMRWKKN--LEPDA-----NPVECOQMKMGTVGAVAVDMDGNLACATSTGGMINKMEGRVGDTPCVCGGYADNKLGAVSTTGHEGTEIM 300
gi |31560239|ref|NP_079886.2|VKLARLVMEKTPHCFLRHGHAEKFAEDMGIP--QVPEKLIERTKHKHLEKEKLEKGA-----QVADCPK--NSGTVGAVALDCRGNLAYATSTGGIVNKMVGRVGDSPICGAGGYADNNGAVSTTGHEGTEIL 300
gi |21489983|ref|NP_659557.1|VKLARLVMEKTPHCFLRGRGAEKFAADMGIPI--QTPAEKLIERTKHKHLEKEKLEKGA-----QVADCPK--NSGTVGAVALDCRGNLAYATSTGGIVNKMVGRVGDSPICGAGGYADNNGAVSTTGHEGTEIL 300
gi |145275202|ref|NP_001077395.1|IKLARLVMEKTPHCFLRQGAQAQFAAAMGVP--EIPGKELVTERNKKRLEKEKHEKGA-----QKIDCOK--NLGTVGAVALDCRGNVAYATSTGGIVNKMVGRVGDSPICGAGGYADNDIGAVSTTGHEGTEIL 300
gi |114637985|ref|XP_001141096.1|IKLARLVMEKTPHCFLRQGAQAQFAAAMGVP--EIPGKELVTERNKKRLEKEKHEKGA-----QKIDCOK--NLGTVGAVALDCRGNVAYATSTGGIVNKMVGRVGDSPICGAGGYADNDIGAVSTTGHEGTEIL 300
gi |57100467|ref|XP_540910.1|IKLARLVMEKTPHCFLRQGAQAQFAAAMGVP--EIPGKELVTERNKKRLEKEKHEKGA-----QKIDCOK--NLGTVGAVALDCRGNVAYATSTGGIVNKMVGRVGDSPICGAGGYADNDIGAVSTTGHEGTEIL 300
gi |116004289|ref|NP_001070503.1|IKLARLVMDKTPHCFLRQGAQAQFAAAMGVP--EIPGKELVTERNKKRLEKEKHEKGA-----QKIDCOK--NLGTVGAVALDCRGNVAYATSTGGIVNKMVGRVGDSPICGAGGYADNDIGAVSTTGHEGTEIL 300
gi |18401029|ref|NP_566536.1|ISLARLVMDKSPHSYLAFAESAEDFARKQVVE--IVDNEYVYVDDNVGMLKLAKEANSILFDYRIPPEMCGAGAAAIDSPIQMNGLPISIVAPEITVGCVVVDGKGHCAAGTSTGGMLNKMFGRIQDSPILIGAGTYAS--EFCGVSTGEGEHAII 300
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300

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gi |18921183|ref|NP_573039.1|RYNLAQRILSAMAYGLSAQAADKCREMTRKRLGGTGAIVVGHSGDLGISFTSRMAWGYVODGITIFYGIEGQVVHQEPTLS----- 394
gi |119113374|ref|XP_309550.3|KVCLAYDVLRTAQLTDRALQPVADLDDAMSALGGAGLVALDRVGNVAHANSLHMSWAYQRGDTVAYGASKEDFNLMPTDLPFDPLPGGM----- 394
gi |50744810|ref|XP_419885.1|KVVLLRLILYHME--QGMSPMAADLALEYMKTRVGGGLGGVIVVSSSGEWAARFSTKQMSWANVKDELHYGIYGERHTKSVDEALASEEGF----- 394
gi |61806630|ref|NP_001013547.1|KVTL SRLVLFHME--QKTPEEAADLALAMKERVDPGLGGVVVDHNTWAARFSSLQMSWAAAQOQKHLHFLFHGDHFTFVEVEHH----- 394
gi |31560239|ref|NP_079886.2|KVNLRARLALFHVE--QKTVEEAAQLALDYMKSKLKGGLLILVNTGDDWVAKWTSASMPWAAAVKNGKLQAGIDLCEPTRTRDLP----- 394
gi |21489983|ref|NP_659557.1|KVNLRARLALFHVE--QKTVDEAATLALDYMKSKLKGGLLILVNTGDDWVAKWTSASMPWAAAVKNGKLQAGIDLCEPTRTRDLP----- 394
gi |145275202|ref|NP_001077395.1|KVNLRARLALFHIE--QKTVEEAADLSLGYMKSRVKLGGGLIVVSKTGDWVAKWTSASMPWAAAKDGKLFHGDIPDDTITITDLP----- 394
gi |114637985|ref|XP_001141096.1|KVNLRARLALFHVE--QKTVDEAATLALDYMKSKLKGGLLILVNTGDDWVAKWTSASMPWAAAVKNGKLQAGIDLCEPTRTRDLP----- 394
gi |57100467|ref|XP_540910.1|KVNLRARLALFHVE--QKTVDEAATLALDYMKSKLKGGLLILVNTGDDWVAKWTSASMPWAAAVKNGKLQAGIDLCEPTRTRDLP----- 394
gi |116004289|ref|NP_001070503.1|KVNLRARLALFHVE--QKTVDEAATLALDYMKSKLKGGLLILVNTGDDWVAKWTSASMPWAAAVKNGKLQAGIDLCEPTRTRDLP----- 394
gi |18401029|ref|NP_566536.1|RATLARDVSAMVEKGLNLQEAVDYVIKHLRLD--EGFAGLIAVSNKGEVVCGFNSNGMFRGCATIDGFMVEVAIWE----- 394
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....

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