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gi |281427272|ref|NP_001163873.1|-----MEWKLERIAPRRVRIEEEVLWESIMRVLSKDLKOKR-----SODSA-----NVLDSVNAIYSDFKSNFAKRLSAEVPVASSPITTRWQSQTRALSSDFGEEQSTTYLPEA 102
gi |114600277|ref|XP_001147536.1|-----MDWKLERIAPRRVRIEEEVLWESIMRVLSKDLKOKR-----SODSA-----NVLDSVNAIYSDFKSNFAKRLSAEVPVASSPITTRWQSQTRALSSDFGEEQSTTYLPEA 102
gi |73949713|ref|XP_535236.2|-----MEWKLERIAPRRVRIEEEVLWENVMRVLAKDLRKR-----SPGSP-----KIFDEMKIYSSFFKSNFVKRLSAEVPVASSPIATRWQSQTRALSSDFGEEQSTTYLPEA 102
gi |119913133|ref|XP_600322.3|-----MSVVIFARKMTPLVALSYLP-NKENIS-----PEDGA-----LVFNVTIYSSNFTSNLAKRLSAEVPVASSPITTRWQSQAGDVVALSDFGEEHSTADLPEI 92
gi |94395671|ref|XP_138861.5|MEVGGCFRRAEDECICALPPDTRLRHQCLMLLSAGEQHFLWMLVLESALRPQCHFLLDHLQPSYQELLPFESLRSPELAFIVVQQLDSVAVIYSSFFKSNFVKRLSAEIPVASSPITTRWQLSPARDPESSSSVEEGPFSHTTPE 150
gi |118103805|ref|XP_423833.2|-----MPCSSQAPALQPQELCGAAYWLPSCMCGVLEAVLALQR-----LSQTVS-----QALDSDRIITYSGFKSSIKRKLKAGAPVASSPVVIRWQRHAGGLAAVP----- 95
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150

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gi |281427272|ref|NP_001163873.1|SGSVLKTPEKETLILGSR-KEQLKTPSKGISETSNALHFCKAPHAMDRDWKESVASKGOKLQKLFVTONVVOQANGKMLCEQSECVWKGCKDGVDRDESFFHLKSSGDIINDEILOPEVKIHLGLRNDYYLNLIDWFSQNLVAIALG 251
gi |114600277|ref|XP_001147536.1|SGSVLKTPEKETLILESC-KEQLKTPSKGISETSNALRFCKAPHAMDRDWKESVASKGOKLQKLFVTONVVOQANGKMLCEQSQCVWKGCKDGVDRDESFFHLKSSGDIINDEILOPEVKIHLGLRNDYYLNLIDWFSQNLVAIALG 251
gi |73949713|ref|XP_535236.2|SGSVLEKTPPEKETLVLGSY-QEPLKTPIKGSEPTNNSALRFCKAPHALDRGMNENLASKGOKLQKLFVTONVVOQANGKMLCEPSCQCVWKGCRNGVDDESFFHLKRFGLDIDYILOPEVKIHLGLRNDYYLNLIDWFSQNLVAIALG 251
gi |119913133|ref|XP_600322.3|---VLLKMTPEKETLTPGSY-KEPLKTPNKGSSGGINNSAFQPGKAPHALNRGWKDKVASKDPKCLNQLFSTONVAQVNGSMQFCERSQCTWKGCRDGVDRD--VFORFSDINYSILOPEVKIHLGLRNDYYLNLIDWFSQNLVAIALG 236
gi |94395671|ref|XP_138861.5|LASGLKIIPAADLILTRSHNKNSPKILSKGSSSEVNSILRFCKTPLAGDRGWKENLATKGRCLNQPFSIQKGAQIDGKMLHCEESRCVRTGCRFGARDE-FYLRRFSGVYHSTCOPEVKIHLGLRNDYYLNLIDWSSQNLVAIALG 299
gi |118103805|ref|XP_423833.2|-----RRALSALCALRSA-----PLVGARGRTPGQAGD-----KRIFLSHHDNMLVKKK-----NNECVWKGCREGQNEFRIVTITMKPS--VILEPELRLHITGLRNDYYLNLIDWNLLENLVAIALG 204
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300

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gi |281427272|ref|NP_001163873.1|AVYIWNGENHNGIENIDLSLTCNYISSVSWIKKEGTCCLAVGTSEGEVQLWDVVTKKRLRNMLGHLVVGALSWNHFILSSGSRIGRVYHHDVRAQHHVGTTLR-HKQAVCALKWSPDGRLLSSGCSDDLTIWPHDPGASACGQPLKVIT 400
gi |114600277|ref|XP_001147536.1|AVYIWNGENHNGIENIDLSLTCNYISSVSWIKKEGTCCLAVGTSEGEVQLWDVVTKKRLRNMLGHLVVGALSWNHFILSSGSRIGRVYHHDVRAQHHVGTTLR-HKQAVCALKWSPDGRLLSSGCSDDLTIWPHDPGASACGQPLKVIP 400
gi |73949713|ref|XP_535236.2|SVFIWTGEN-NVIENIDLSLNCYSIISVSWIKDGNCLAVGTSEGEVQLWDVVTKKRLRNMLGHLVVGALSWNHFILSSGSRIGRVYHHDVREAQHHVGTSLH-HKQAVCALKWSPDGRLLSSGCSDDLTIWPHDPGVVITQPLKVISQ 399
gi |119913133|ref|XP_600322.3|SVYIWNQDNHNRINEMFSLPCNYVSSVSWMTREGTCCLAVGTSEGEIQLWDVITKKRLRNMLGHLVVGALSWNHFILSSGSRIGRVYHHDVRAQHHVGTTLQ-HQAVCALKWSPDGRLLSSGCSDDLTIWPHDPGANACGQPLKVIHQ 385
gi |94395671|ref|XP_138861.5|SVYIWNQDNHNRINEMFSLPCNYVSSVSWMTREGTCCLAVGTSEGEVQLWDVITKKRLRNMLGHLVVGALSWNHFILSSGSRIGRVYHHDVRAQHHVGTTLQ-HKEAVCSLKWSPDGRLLSSGCSDDLTIWPHDPGAVGQPLKVIHQ 448
gi |118103805|ref|XP_423833.2|AAVYIWNQRTLOGIESIELNLSKSYISLAWIKKEGTCCLAVGTSDGEVQLVNLILFFNFSMIMEHL-VFNKIHLEFLNYSGSRIGSIHHHDVRAQHHITGLCNKQISCSLKWSLTNQLLASSDGVVNIWSDPGVNVKSPDKLTIHP 353
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450

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gi |281427272|ref|NP_001163873.1|STAVKAMDWCPWQSGVLAI GGGMKDGRLLHILDINAGKSIQTPSTNSQICSLIWLPKTKETIATGCGTPKNDVTVVWTCPTVSRSGG---FPGHRGRVHLHLSLSPDQTRVFSAAADGTASVWNCY----- 519
gi |114600277|ref|XP_001147536.1|STAVKAMDWCPWQSGVLAI GGGMKDGCCLHILDINAGKSIQTPSTNSQICSLIWLPKTKETIATGCGTPKNDVTVVWTCPTVSRSGG---GHRGRVHLHLSLSPDQTRVFSAAADGTASVWNCY----- 515
gi |73949713|ref|XP_535236.2|PTAVKAMDWCPWQSAVLAVGGGMRDGHRLILDINTCRSIQTPSTNSQICSLIWLPKTKETIATGCGTPNDVTVVWTCPTVSRSGG---GHRGRVHLHLSLSPDQTRVFSAAADGTACVWNCYRALL----- 519
gi |119913133|ref|XP_600322.3|STAVKAIWCPWQTEVLAVGGGMRDGRLLHILDINAGKSIQTPSTNSQICSLIWLPKTKETIATGCGTPKNDVTVVWTCPTVSRSGG---GHRGRVHLHLSLSPDQTRVFSAAADGTACVWNCYRALL----- 500
gi |94395671|ref|XP_138861.5|STAVKAMEWCPWQSEVLAVGGGMRDGHRLILDINTGKNIQTPSTNSQICSLIWLPKTKETIATGCGAPKNDVTVVWTCPTVSRSGG---GHRDRVHLHLSLSPDQTRVFSAAADGTACVWNCYRALL----- 563
gi |118103805|ref|XP_423833.2|SSAVKAIWCPWQSNVLATGGGMRDGHRLVVDINHEKLLQSAADDSQICSLIWLPKTKETIATGCGLEPNDVTVVWTCPTVSRSGG---GHRGRVHLHLSLSPDQTRVFSAAADGTACVWNCYRALL----- 485
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580..

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