

gi | 110225370 | ref | NP\_031488.2 | MAAASYDQLLKQVEALKMENSNLROELEDNSNHLTKLETEASNKKEVLKQLQSGIIDEETMTS-GQIDLLERLKEFNLDN-NFPGVKLRKSKMLRSYSGREGSVSSRSGECSPPVPMGSPRRRTFVNGSRESTGYLELEEKERSLLLADLDK 148  
gi | 6978509 | ref | NP\_036631.1 | MAAASYDQLLKQVEALKMENSNLROELEDNSNHLTKLETEASNKKEVLKQLQSGIIDEETMTS-GQIDLLERLKEFNLDN-NFPGVKLRKSKMLRSYSGREGSVSSRSGECSPPVPMGSPRRRFVNGSRESTGYLELEEKERSLLLADLDK 148  
gi | 73951984 | ref | XP\_536285.2 | MAAASYDQLLKQVEALKMENSNLROELEDNSNHLTKLETEASNKKEVLKQLQSGIIDEAMASSGQIDLLERLKEFNLDN-SNFPVGVKLRKSKMLRSYSGREGSVSSRSGECSPPVPMGSPRRRFVNGSRENTGYLELEEKERSLLLADLDK 150  
gi | 194670415 | ref | XP\_001787655.1 | MAAASYDQLLKQVEALKMENSNLROELEDNSNHLTKLETEASNKKEVLKQLQSGIIDEAMASSGQIDLLERLKEFNLDN-SNFPVGVKLRKSKMLRSYSGREGSVSSRSGECSPPVPMGSPRRRFVNGSRENTGYLELEEKERSLLLADLDK 150  
gi | 114601146 | ref | XP\_001143366.1 | MAAASYDQLLKQVEALKMENSNLROELEDNSNHLTKLETEASNKKEVLKQLQSGIIDEAMASSGQIDLLERLKEFNLDN-SNFPVGVKLRKSKMLRSYSGREGSVSSRSGECSPPVPMGSPRRRFVNGSRENTGYLELEEKERSLLLADLDK 150  
gi | 53759122 | ref | NP\_000029.2 | MAAASYDQLLKQVEALKMENSNLROELEDNSNHLTKLETEASNKKEVLKQLQSGIIDEAMASSGQIDLLERLKEFNLDN-SNFPVGVKLRKSKMLRSYSGREGSVSSRSGECSPPVPMGSPRRRFVNGSRENTGYLELEEKERSLLLADLDK 150  
gi | 118104245 | ref | XP\_001233411.1 | MAAASYDQLLKQVEALKMENSNLROELEDNSNHLTKLETEASNKKEVLKQLQSGIIDEATASSGQIDLLERLKEFNLDN-SNFPVGVKLRKSKMLRSYSGREGSVSSRSGECSPPVPMGSPRRRFVNGSRENTGYLELEEKERSLLLADLDK 150  
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150



gi | 110225370 | ref | NP\_031488.2 | EEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMMTRRQLEYEARQIRAAEEQLGTQDMEKRAQRRIRIQQIEKDIRRQLLQSQAAEAERSQSQRHDAASHEAGRQHEGHGVAESNTAASSGQSPAIRVDHETAIVLSSSGTHSA 298  
gi | 6978509 | ref | NP\_036631.1 | EEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMMTRRQLEYEARQIRAAEEQLGTQDMEKRAQRRIRIQQIEKDIRRQLLQSQAAEAERSQSQRHDAASHEAGRQHEGHGVAESNTAASSGQSPAIRVDHETAIVLSSSGTHSA 298  
gi | 73951984 | ref | XP\_536285.2 | EEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMMTRRQLEYEARQIRAAEEQLGTQDMEKRAQRRIRIQQIEKDIRRQLLQSQAAEAERSQSQRHDAASHEAGRQHEGHGVAESNTAASSGQSPAIRVDHETAIVLSSSGTHSA 300  
gi | 194670415 | ref | XP\_001787655.1 | EEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMMTRRQLEYEARQIRAAEEQLGTQDMEKRAQRRIRIQQIEKDIRRQLLQSQAAEAERSQSQRHDAASHEAGRQHEGHGVAESNTAASSGQSPAIRVDHETAIVLSSSGTHSA 300  
gi | 114601146 | ref | XP\_001143366.1 | EEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMMTRRQLEYEARQIRAAEEQLGTQDMEKRAQRRIRIQQIEKDIRRQLLQSQAAEAERSQSQRHDAASHEAGRQHEGHGVAESNTAASSGQSPAIRVDHETAIVLSSSGTHSA 269  
gi | 53759122 | ref | NP\_000029.2 | EEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMMTRRQLEYEARQIRAAEEQLGTQDMEKRAQRRIRIQQIEKDIRRQLLQSQAAEAERSQSQRHDAASHEAGRQHEGHGVAESNTAASSGQSPAIRVDHETAIVLSSSGTHSA 300  
gi | 118104245 | ref | XP\_001233411.1 | EEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMMTRRQLEYEARQIRAAEEQLGTQDMEKRAQRRIRIQQIEKDIRRQLLQSQAAEAERSQSQRHDAASHEAGRQHEGHGVAESNTAASSGQSPAIRVDHETAIVLSSSGTHSA 300  
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi | 110225370 | ref | NP\_031488.2 | PRRLTSHLGTQKVMVYSLLSMLGTHDKDDMSRTLLAMSSSDSCISMROSQCPLLIQLLHGNDKDSVLLGNSRGSKEARARASAAALHNIHSQDDKRRRREIRVLHLLLEQIRAYCETCWEWQEAHEQGMDDKNPMPAPVEHQICPAV 448  
gi | 6978509 | ref | NP\_036631.1 | PRRLTSHLGTQKVMVYSLLSMLGTHDKDDMSRTLLAMSSSDSCISMROSQCPLLIQLLHGNDKDSVLLGNSRGSKEARARASAAALHNIHSQDDKRRRREIRVLHLLLEQIRAYCETCWEWQEAHEQGMDDKNPMPAPVEHQICPAV 448  
gi | 73951984 | ref | XP\_536285.2 | PRRLTSHLGTQKVMVYSLLSMLGTHDKDDMSRTLLAMSSSDSCISMROSQCPLLIQLLHGNDKDSVLLGNSRGSKEARARASAAALHNIHSQDDKRRRREIRVLHLLLEQIRAYCETCWEWQEAHEQGMDDKNPMPAPVEHQICPAV 450  
gi | 194670415 | ref | XP\_001787655.1 | PRRLTSHLGTQKVMVYSLLSMLGTHDKDDMSRTLLAMSSSDSCISMROSQCPLLIQLLHGNDKDSVLLGNSRGSKEARARASAAALHNIHSQDDKRRRREIRVLHLLLEQIRAYCETCWEWQEAHEQGMDDKNPMPAPVEHQICPAV 450  
gi | 114601146 | ref | XP\_001143366.1 | PRRLTSHLGTQKVMVYSLLSMLGTHDKDDMSRTLLAMSSSDSCISMROSQCPLLIQLLHGNDKDSVLLGNSRGSKEARARASAAALHNIHSQDDKRRRREIRVLHLLLEQIRAYCETCWEWQEAHEQGMDDKNPMPAPVEHQICPAV 413  
gi | 53759122 | ref | NP\_000029.2 | PRRLTSHLGTQKVMVYSLLSMLGTHDKDDMSRTLLAMSSSDSCISMROSQCPLLIQLLHGNDKDSVLLGNSRGSKEARARASAAALHNIHSQDDKRRRREIRVLHLLLEQIRAYCETCWEWQEAHEQGMDDKNPMPAPVEHQICPAV 450  
gi | 118104245 | ref | XP\_001233411.1 | PRRLTSHLGTQKVMVYSLLSMLGTHDKDDMSRTLLAMSSSDSCISMROSQCPLLIQLLHGNDKDSVLLGNSRGSKEARARASAAALHNIHSQDDKRRRREIRVLHLLLEQIRAYCETCWEWQEAHEQGMDDKNPMPAPVEHQICPAV 450  
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi | 110225370 | ref | NP\_031488.2 | CVLMKLSFDEEHRHAMNELGGLQAI AELLQVDCEMYGLTNDHYSVTLRRYAGMALTNLTFGDVANKAFLCSMKGCMRALVAOLKSEEDLQOVIASVLRNLSWRADVNSKKTIREVGSVKALMECALEVKKESTLKSIVLSALWNL SAHCT 598  
gi | 6978509 | ref | NP\_036631.1 | CVLMKLSFDEEHRHAMNELGGLQAI AELLQVDCEMYGLTNDHYSVTLRRYAGMALTNLTFGDVANKAFLCSMKGCMRALVAOLKSEEDLQOVIASVLRNLSWRADVNSKKTIREVGSVKALMECALEVKKESTLKSIVLSALWNL SAHCT 598  
gi | 73951984 | ref | XP\_536285.2 | CVLMKLSFDEEHRHAMNELGGLQAI AELLQVDCEMYGLTNDHYSVTLRRYAGMALTNLTFGDVANKAFLCSMKGCMRALVAOLKSEEDLQOVIASVLRNLSWRADVNSKKTIREVGSVKALMECALEVKKESTLKSIVLSALWNL SAHCT 29  
gi | 194670415 | ref | XP\_001787655.1 | CVLMKLSFDEEHRHAMNELGGLQAI AELLQVDCEMYGLTNDHYSVTLRRYAGMALTNLTFGDVANKAFLCSMKGCMRALVAOLKSEEDLQOVIASVLRNLSWRADVNSKKTIREVGSVKALMECALEVKKESTLKSIVLSALWNL SAHCT 600  
gi | 114601146 | ref | XP\_001143366.1 | CVLMKLSFDEEHRHAMNELGGLQAI AELLQVDCEMYGLTNDHYSVTLRRYAGMALTNLTFGDVANKAFLCSMKGCMRALVAOLKSEEDLQOVIASVLRNLSWRADVNSKKTIREVGSVKALMECALEVKKESTLKSIVLSALWNL SAHCT 563  
gi | 53759122 | ref | NP\_000029.2 | CVLMKLSFDEEHRHAMNELGGLQAI AELLQVDCEMYGLTNDHYSVTLRRYAGMALTNLTFGDVANKAFLCSMKGCMRALVAOLKSEEDLQOVIASVLRNLSWRADVNSKKTIREVGSVKALMECALEVKKESTLKSIVLSALWNL SAHCT 600  
gi | 118104245 | ref | XP\_001233411.1 | CVLMKLSFDEEHRHAMNELGGLQAI AELLQVDCEMYGLTNDHYSVTLRRYAGMALTNLTFGDVANKAFLCSMKGCMRALVAOLKSEEDLQOVIASVLRNLSWRADVNSKKTIREVGSVKALMECALEVKKESTLKSIVLSALWNL SAHCT 600  
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



gi | 110225370 | ref | NP\_031488.2 | ENKADICAVD GALAFLVGLTYRSQNTLAIIESGGGILRNVSSLIATNEDHROILRENNCLOTLLQHLKSHSLTIVSNACGTLWNL SARNPKDQ EALWDMGAVSMLKNIHSHKHKMIAMGSAALRNLMANRP AKYK DANIMSPGSSLP 748  
gi | 6978509 | ref | NP\_036631.1 | ENKADICAVD GALAFLVGLTYRSQNTLAIIESGGGILRNVSSLIATNEDHROILRENNCLOTLLQHLKSHSLTIVSNACGTLWNL SARNPKDQ EALWDMGAVSMLKNIHSHKHKMIAMGSAALRNLMANRP AKYK DANIMSPGSSLP 748  
gi | 73951984 | ref | XP\_536285.2 | ENKADICAVD GALAFLVGLTYRSQNTLAIIESGGGILRNVSSLIATNEDHROILRENNCLOTLLQHLKSHSLTIVSNACGTLWNL SARNPKDQ EALWDMGAVSMLKNIHSHKHKMIAMGSAALRNLMANRP AKYK DANIMSPGSSLP 179  
gi | 194670415 | ref | XP\_001787655.1 | ENKADICAVD GALAFLVGLTYRSQNTLAIIESGGGILRNVSSLIATNEDHROILRENNCLOTLLQHLKSHSLTIVSNACGTLWNL SARNPKDQ EALWDMGAVSMLKNIHSHKHKMIAMGSAALRNLMANRP AKYK DANIMSPGSSLP 750  
gi | 114601146 | ref | XP\_001143366.1 | ENKADICAVD GALAFLVGLTYRSQNTLAIIESGGGILRNVSSLIATNEDHROILRENNCLOTLLQHLKSHSLTIVSNACGTLWNL SARNPKDQ EALWDMGAVSMLKNIHSHKHKMIAMGSAALRNLMANRP AKYK DANIMSPGSSLP 713  
gi | 53759122 | ref | NP\_000029.2 | ENKADICAVD GALAFLVGLTYRSQNTLAIIESGGGILRNVSSLIATNEDHROILRENNCLOTLLQHLKSHSLTIVSNACGTLWNL SARNPKDQ EALWDMGAVSMLKNIHSHKHKMIAMGSAALRNLMANRP AKYK DANIMSPGSSLP 750  
gi | 118104245 | ref | XP\_001233411.1 | ENKADICAVD GALAFLVGLTYRSQNTLAIIESGGGILRNVSSLIATNEDHROILRENNCLOTLLQHLKSHSLTIVSNACGTLWNL SARNPKDQ EALWDMGAVSMLKNIHSHKHKMIAMGSAALRNLMANRP AKYK DANIMSPGSSLP 750  
.....610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750





gi | 110225370 | ref | NP\_031488.2 | LHFATESIPDGFSCSSLSALSLEDPFIQKDVLRIMPVQVENDNGNETESEPEESNENQDKEVEKP-DSEKDLLDSDDDDIIEILEECIISAMPTKSSRKAKKLAQT-ASKLPPPVARKPSQPLVVKLLPSQRLQAQKHVFTPGDD 1635  
gi | 6978509 | ref | NP\_036631.1 | LHFATESIPDGFSCSSLSALSLEDPFIQKDVLRIMPVQVENDNGNETESEPEESNENQDKEVEKP-DSEKDLLDSDDDDIIEILEECIISAMPTKSSRKAKKLAQT-ASKLPPPVARKPSQPLVVKLLPSQRLQAQKHVFTPGDD 1635  
gi | 73951984 | ref | XP\_536285.2 | LHFATESIPDGFSCSSLSALSLEDPFIQKDVLRIMPVQVENDNGNETESEPEESNENQDKEVEKP-DSEKDLLDSDDDDIIEILEECIISAMPTKSSRKAKKLAQT-ASKLPPPVARKPSQPLVVKLLPSQRLQAQKHVFTPGDD 1666  
gi | 194670415 | ref | XP\_001787655.1 | LHFATESIPDGFSCSSLSALSLEDPFIQKDVLRIMPVQVENDNGNETESEPEESNENQDKEVEKP-DSEKDLLDSDDDDIIEILEECIISAMPTKSSRKAKKLAQT-TSKLPPPVARKPSQPLVVKLLPSQRLQAQKHVFTPGDD 1643  
gi | 114601146 | ref | XP\_001143366.1 | LHFATESIPDGFSCSSLSALSLEDPFIQKDVLRIMPVQVENDNGNETESEPEESNENQDKEVEKP-DSEKDLLDSDDDDIIEILEECIISAMPTKSSRKAKKLAQT-ASKLPPPVARKPSQPLVVKLLPSQRLQAQKHVFTPGDD 1600  
gi | 53759122 | ref | NP\_000029.2 | LHFATESIPDGFSCSSLSALSLEDPFIQKDVLRIMPVQVENDNGNETESEPEESNENQDKEVEKP-DSEKDLLDSDDDDIIEILEECIISAMPTKSSRKAKKLAQT-ASKLPPPVARKPSQPLVVKLLPSQRLQAQKHVFTPGDD 1637  
gi | 118104245 | ref | XP\_001233411.1 | -----ESTPDGFSCSSLSALSLEDPFIQKDVLRIMPVQVENDNGNETESEPEESNENQDKEVEKP-DSEKDLLDSDDDDIIEILEECIISAMPTKSSRKAKKPSQAPKIPPPVARKPSQPLVVKLLPSQRLQAQKHVFTPGDD 1121  
.....1510.....1520.....1530.....1540.....1550.....1560.....1570.....1580.....1590.....1600.....1610.....1620.....1630.....1640.....1650



gi | 110225370 | ref | NP\_031488.2 | VPRVVCVEGTPINFSTATSLSDLTIESPPNELATGDGVRAGIQSGEFEKRDITPTTEGRSTDEAQRGKISSIVTIPDLDDNKAEEGDILAEICINSAMPKGSKHKPFRVKKIMDVOQOASSTSSGANKNOVDTKKKKPTSPVKPMPONTYEYRT 1785  
gi | 6978509 | ref | NP\_036631.1 | VPRVVCVEGTPINFSTATSLSDLTIESPPNELAAGDGRASVQSGEFEKRDITPTTEGRSTDEAQRGKISSIVTIPDLDDNKAEEGDILAEICINSAMPKGSKHKPFRVKKIMDVOQOASSTSSGANKNOVDTKKKKPTSPVKPMPONTYEYRT 1785  
gi | 73951984 | ref | XP\_536285.2 | MPRVVCVEGTPINFSTATSLSDLTIESPPNELAAGEGVRAGAQSEFEKRDITPTTEGRSTDEAQRGKAPAVTIPDLDDSKTEEGDILAEICINSAMPKGSKHKPFRVKKIMDVOQOASVSSSGTNKTLQDGGKTKKPTSPVKPIPQSAEYRT 1216  
gi | 194670415 | ref | XP\_001787655.1 | MPRVVCVEGTPINFSTATSLSDLTIESPPNELAAGEGVRAGAQSEFEKRDITPTTEGRSTDEAQRGKASSVTVPELDDSKTEEGDILAEICINSAMPKGSKHKPFRVKKIMDVOQOASVSSSGTNKTLQDGGKTKKPTSPVKPIPQONTYEYRT 1793  
gi | 114601146 | ref | XP\_001143366.1 | MPRVVCVEGTPINFSTATSLSDLTIESPPNELAAGEGVRAGAQSEFEKRDITPTTEGRSTDEAQRGKASSVTVPELDDNKAEEGDILAEICINSAMPKGSKHKPFRVKKIMDVOQOASVSSSGTNKTLQDGGKTKKPTSPVKPIPQONTYEYRT 1750  
gi | 53759122 | ref | NP\_000029.2 | MPRVVCVEGTPINFSTATSLSDLTIESPPNELAAGEGVRAGAQSEFEKRDITPTTEGRSTDEAQRGKASSVTVPELDDNKAEEGDILAEICINSAMPKGSKHKPFRVKKIMDVOQOASVSSSGTNKTLQDGGKTKKPTSPVKPIPQONTYEYRT 1787  
gi | 118104245 | ref | XP\_001233411.1 | MPRVVCVEGTPINFSTATSLSDLTIESPPNELANVDSVGAQSEFEKRDITPTTEGRSTDTQRAKSIIVTIPGLDDKTEEGDILAEICINSAMPKGSKHKPFRVKKIMDVOQOASTSLN--NKNQPEGKTKKPTSPVKPVPONSEYRA 1269  
.....1660.....1670.....1680.....1690.....1700.....1710.....1720.....1730.....1740.....1750.....1760.....1770.....1780.....1790.....1800



gi | 110225370 | ref | NP\_031488.2 | RVRKNTDSKVNVTTEEFSDNKDSKKPISLQTNKAFNEKLPNNEDRVRSFALDSPHHYPIEGTPYCFSRNDSLSSLDLFDVDDVLSREKAE LRKKGESKDEAKVTCRPEPNSQQAASKSQASIKHPANRAQSKPVLQKQPTFPQSS 1935  
gi | 6978509 | ref | NP\_036631.1 | RVRKNTDSKVNVTTEEFSDNKDSKKOSLKNPKDLNKLDPNEDRVRSFALDSPHHYPIEGTPYCFSRNDSLSSLDLFDVDDVLSREKAE LRKKGESKDEAKVTCRPEPNSQQAASKSQASIKHPANRAQSKPVLQKQPTFPQSS 1935  
gi | 73951984 | ref | XP\_536285.2 | RVRKNTDSKNNVAERFSDNKDSKKONLKNNSKDFNKLDPNEDRVRSFALDSPHHYPIEGTPYCFSRNDSLSSLDLFDVDDVLSREKAE LRKKGESKDEAKVTCRPEPNSQQAASKSQASIKHPANRAQSKPVLQKQPTFPQSS 1366  
gi | 194670415 | ref | XP\_001787655.1 | RVRKNTDSKNNVAERFSDNKDSKKOHLKNNSKDFNKLDPNEDRVRSFALDSPHHYPIEGTPYCFSRNDSLSSLDLFDVDDVLSREKAE LRKKGESKDEAKVTCRPEPNSQQAASKSQASIKHPANRAQSKPVLQKQPTFPQSS 1943  
gi | 114601146 | ref | XP\_001143366.1 | RVRKNTDSKNNVAERFSDNKDSKKONLKNNSKDFNKLDPNEDRVRSFALDSPHHYPIEGTPYCFSRNDSLSSLDLFDVDDVLSREKAE LRKKGESKDEAKVTCRPEPNSQQAASKSQASIKHPANRAQSKPVLQKQPTFPQSS 1900  
gi | 53759122 | ref | NP\_000029.2 | RVRKNTDSKNNVAERFSDNKDSKKONLKNNSKDFNKLDPNEDRVRSFALDSPHHYPIEGTPYCFSRNDSLSSLDLFDVDDVLSREKAE LRKKGESKDEAKVTCRPEPNSQQAASKSQASIKHPANRAQSKPVLQKQPTFPQSS 1937  
gi | 118104245 | ref | XP\_001233411.1 | RVRKNTDSKQINNEFSDNKDSKKONLKNNSKDFNKLDPNEDRVRSFALDSPHHYPIEGTPYCFSRNDSLSSLDLFDVDDVLSREKAE LRKKGESKDEAKVTCRPEPNSQQAASKSQASIKHPANRAQSKPVLQKQPTFPQSS 1412  
.....1810.....1820.....1830.....1840.....1850.....1860.....1870.....1880.....1890.....1900.....1910.....1920.....1930.....1940.....1950



gi | 110225370 | ref | NP\_031488.2 | KDGPDRGAATDEKLNFAIENTPVCFSRNSSLSSLDIDQENNNKESPEIKEAEPANQGEPSKPOASGYAPKSFHVEDTPVCFSRNSSLSSLDIDSEDDLLQECISSAMPKRRPSRLKGESEKQSPRVVGGVLAEDLTLDLKDIORP 2085  
gi | 6978509 | ref | NP\_036631.1 | KDVPDRGAATDEKLNFAIENTPVCFSRNSSLSSLDIDQENNNKESPEIKEAEPANQGEPSKPOASGYAPKSFHVEDTPVCFSRNSSLSSLDIDSEDDLLQECISSAMPKRRPSRLKGESEKQSPRVVGGVLAEDLTLDLKDIORP 2085  
gi | 73951984 | ref | XP\_536285.2 | KDLPDRGAATDEKLNFAIENTPVCFSRNSSLSSLDIDQENNNKENEPLKEAEPDQGEPSKPOASGYAPKSFHVEDTPVCFSRNSSLSSLDIDSEDDLLQECISSAMPKRRPSRLKGDTEKHSFRNMGVLAEDLTLDLKDIORP 1516  
gi | 194670415 | ref | XP\_001787655.1 | KDIPDRGAATDEKLNFAIENTPVCFSRNSSLSSLDIDQENNNKENEPLKEAEPDQGEPSKPOASGYAPKSFHVEDTPVCFSRNSSLSSLDIDSEDDLLQECISSAMPKRRPSRLKGDTEKHSFRNMGVLAEDLTLDLKDIORP 2093  
gi | 114601146 | ref | XP\_001143366.1 | KDIPDRGAATDEKLNFAIENTPVCFSRNSSLSSLDIDQENNNKENEPLKEAEPDQGEPSKPOASGYAPKSFHVEDTPVCFSRNSSLSSLDIDSEDDLLQECISSAMPKRRPSRLKGDTEKHSFRNMGVLAEDLTLDLKDIORP 2020  
gi | 53759122 | ref | NP\_000029.2 | KDIPDRGAATDEKLNFAIENTPVCFSRNSSLSSLDIDQENNNKENEPLKEAEPDQGEPSKPOASGYAPKSFHVEDTPVCFSRNSSLSSLDIDSEDDLLQECISSAMPKRRPSRLKGDTEKHSFRNMGVLAEDLTLDLKDIORP 2086  
gi | 118104245 | ref | XP\_001233411.1 | KDIPDRGAATDEKLNFAIENTPVCFSRNSSLSSLDIDQENNNKESPEIKEAEPANQGEPSKPOASGYAPKSFHVEDTPVCFSRNSSLSSLDIDSEDDLLQECISSAMPKRRPSRLKGDTEKHSFRNMGVLAEDLTLDLKDIORP 1494  
.....1960.....1970.....1980.....1990.....2000.....2010.....2020.....2030.....2040.....2050.....2060.....2070.....2080.....2090.....2100



gi | 110225370 | ref | NP\_031488.2 | DSEHGLSPDENFDWKAIQEGANSIVSSLHQAAAAACLRSQASDSDSILSLKSGISLGGPFHLLTPDQEEKPFTSNKGRPRLKPKGKSTLEAKKIESENKGIKGGKVVYKSLITGKIRNSSEIISOMKQPLQNMPSISRGRITMIHIPG 2235  
gi | 6978509 | ref | NP\_036631.1 | DSEHGLSPDENFDWKAIQEGANSIVSSLHQAAAAACLRSQASDSDSILSLKSGISLGGPFHLLTPDQEEKPFTSNKGRPRLKPKGKSTLEAKKIESENKGIKGGKVVYKSLITGKIRNSSEIISOMKQPLQNMPSISRGRITMIHIPG 2235  
gi | 73951984 | ref | XP\_536285.2 | DSEHGLSPDENFDWKAIQEGANSIVSSLHQAAAAACLRSQASDSDSILSLKSGISLGGPFHLLTPDQEEKPFTSNKGRPRLKPKGKSTLEAKKIESENKGIKGGKVVYKSLITGKIRNSSEIISOMKQPLQNMPSISRGRITMIHIPG 1665  
gi | 194670415 | ref | XP\_001787655.1 | DSEHGLSPDENFDWKAIQEGANSIVSSLHQAAAAACLRSQASDSDSILSLKSGISLGGPFHLLTPDQEEKPFTSNKGRPRLKPKGKSTLEAKKIESENKGIKGGKVVYKSLITGKIRNSSEIISOMKQPLQNMPSISRGRITMIHIPG 2242  
gi | 114601146 | ref | XP\_001143366.1 | DSEHGLSPDENFDWKAIQEGANSIVSSLHQAAAAACLRSQASDSDSILSLKSGISLGGPFHLLTPDQEEKPFTSNKGRPRLKPKGKSTLEAKKIESENKGIKGGKVVYKSLITGKIRNSSEIISOMKQPLQNMPSISRGRITMIHIPG 2169  
gi | 53759122 | ref | NP\_000029.2 | DSEHGLSPDENFDWKAIQEGANSIVSSLHQAAAAACLRSQASDSDSILSLKSGISLGGPFHLLTPDQEEKPFTSNKGRPRLKPKGKSTLEAKKIESENKGIKGGKVVYKSLITGKIRNSSEIISOMKQPLQNMPSISRGRITMIHIPG 2235  
gi | 118104245 | ref | XP\_001233411.1 | -----GANSIVRSRHP-PAAAAACLRSQASDSDSILSLKSGISLGGPFHLLTPDQEEKPFTSNKGRPRLKPKGKSTLEAKKIESENKGIKGGKVVYKSLITGKIRNSSEIISOMKQPLQNMPSISRGRITMIHIPG 1623  
.....2110.....2120.....2130.....2140.....2150.....2160.....2170.....2180.....2190.....2200.....2210.....2220.....2230.....2240.....2250



