

```
gi | 7019477 | ref | NP_037379.1 | MAAPRAGRAGAWSLRALWGLGGIRWGRRRLTPDLLRALLTSGTSDPRARVVTYGTPLWRLVVGVEPRACLTSCTPGPRAQLTAVTPDRTREAENSNGTRSRRAWLAVALGAGGAVLLLLWGGRGPPAVLAAVSPPPASPRSOYNFI 150
gi | 118151008 | ref | NP_001071424.1 | MAALRAGRAGAWSLRGWRALWGGRWKGLLTPDLLRALLTSGTDPPTRVVTYGTPLFRARLWVGVEPRCTCLRERTSDLRARLIAGTPDPRTPEDSGTPGTRLRVWLAVALGAGGAVLLLLWGGRGPPAVLASVLGSPPTSPPRSOYNFI 150
gi | 31980991 | ref | NP_062726.2 | MAALKAGRANWSLRALWGLGGIFWRKPLLPDLRALLTSGTPDSQIWMVTYGTPLPAQVPEGLASRADLTSRTDPLWARLNVGTSGSSDQEBARRSPGSRREWLAVALGAGGAVLLLLWGWRGLSTVLAAPVAPPPTSPPRSOYNFI 150
gi | 109472218 | ref | XP_001054494.1 | MAALKAGRANWSLRALWGLGGIFWRKGLLPDLRALLTSGTDPQARMTYGTPLPARVPLGVLASRANLTSSTPDLWVRLTVGTSGSSDQEDCGSPGSRREWLAVALGAGGAVLLLLWGWRGPSTVLAAPVAPPPTSPPRSOYNFI 150
gi | 158749592 | ref | NP_001103640.1 | ----- 150
gi | 160333535 | ref | NP_001103998.1 | ----- 150
gi | 292620026 | ref | XP_002664155.1 | ----- 150
gi | 292618383 | ref | XP_002663637.1 | -----MIQLAIAAVSFFFFATVFVGGAGHPFSGRE----- 150
gi | 292625151 | ref | XP_002665906.1 | ----- 150
gi | 189526775 | ref | XP_001921310.1 | -----MIQLAIAAVSFFFFATVFVGGAGHPFSGREGPIISNGSGFIVSRDGLIVTNAHVVNKRGVRVKLT 150
gi | 292625135 | ref | XP_002665901.1 | ----- 150
gi | 292625120 | ref | XP_001923403.2 | ----- 150
gi | 292620064 | ref | XP_001339411.3 | ----- 150
gi | 292625124 | ref | XP_002665896.1 | ----- 150
gi | 125847406 | ref | XP_001335201.1 | ----- 150
gi | 157311753 | ref | NP_001098612.1 | ----- 150
gi | 192453530 | ref | NP_001122292.1 | ----- 150
gi | 292620017 | ref | XP_002664152.1 | ----- 150
gi | 292618360 | ref | XP_001332804.3 | ----- 150
gi | 125827889 | ref | XP_001333305.1 | ----- 150
gi | 292620045 | ref | XP_002664161.1 | ----- 150
gi | 292618369 | ref | XP_707571.2 | ----- 150
gi | 292620068 | ref | XP_001923767.2 | ----- 150
gi | 157841264 | ref | NP_001103205.1 | ----- 150
gi | 167963466 | ref | NP_001108178.1 | ----- 150
gi | 24646839 | ref | NP_650366.1 | -----MALRGSRRLEVIKRCIASPVLHSHAAANRRSSQLAIKEGDPS-NGNSGOYQNGEQEKGWRRRIVRFVVFSLGAVVSAATIQOREDLT-----PTIAA--SKMTGRRRDFNFI 150
gi | 158289115 | ref | XP_310886.4 | -----NTHHTTMCALRRPALFLQRRLLAVVQLAPHN--NLRAFGGTGEHGR--EDGSGEHSDSWSAQKAGLTATLALAGMFLLAYNTRPDQSKRKATGWPAF-----GFLPTVSAKTSATAGNRQYVNF 150
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150
```

```
gi | 7019477 | ref | NP_037379.1 | ADVVEKTAAPAVVYIEILDRH---PFLGREVPIISNGSGFVVAADGLIVTNAHVADR--RRVRVRLSGLDYEAVVAVDPVADIAIILRIQTKEP-LPTLPLGRSADVROGEFVVAMGSPFALON 300
gi | 118151008 | ref | NP_001071424.1 | ADVVEKTAAPAVVYIEILGRH---PFGGREVPIISNGSGFVVAADGLIVTNAHVADR--RRVRVRLPSGDTYEAVVAVDPVADIAIILRIQTKEP-LPTLPLGRSADVROGEFVVAMGSPFALON 300
gi | 31980991 | ref | NP_062726.2 | ADVVEKTAAPAVVYIEILDRH---PFGGREVPIISNGSGFVVAADGLIVTNAHVADR--RRVRVRLPSGDTYEAVVAVDPVADIAIILRIQTKEP-PTLPLGRSADVROGEFVVAMGSPFALON 300
gi | 109472218 | ref | XP_001054494.1 | ADVVEKTAAPAVVYIEILDRH---PFGGREVPIISNGSGFIVASDGLIVTNAHVADR--RRVRVRLPSGDTYEAVVAVDPVADIAIILRIQTKEP-LPTLPLGRSADVROGEFVVAMGSPFALON 300
gi | 158749592 | ref | NP_001103640.1 | ----- 300
gi | 160333535 | ref | NP_001103998.1 | -----MTNAHVVNK--RGVRVKLTNGETYSAIVQDQDQADIAITIKINVK-NPLPALRLGKSSDVRQGEFVVAMGSPFSLKN 300
gi | 292620026 | ref | XP_002664155.1 | ----- 300
gi | 292618383 | ref | XP_002663637.1 | -----VPISNGSGFIISDGLIVTNAHVANK--RGVRVKLTNGETYNAIVQDQDQADIAITIKINVKNPLP-LRLGKSSDVRQGEFVVAMGSPFSLKN 300
gi | 292625151 | ref | XP_002665906.1 | ----- 300
gi | 189526775 | ref | XP_001921310.1 | DGETYNAIVQDQDQADIAI--IKINVKVPISNGSGFIISDGLIVTNAHVANK--RGVRVKLTNGETYNAIVQDQDQADIAITIKINVKNPCHCFLHFSKSSDVRQGEFVVAMGSPFSLKN 300
gi | 292625135 | ref | XP_002665901.1 | ----- 300
gi | 292625120 | ref | XP_001923403.2 | ----- 300
gi | 292620064 | ref | XP_001339411.3 | -----MKVLEH---PFGGREVPIISNGSGFIISDDLIVTNAHVANK--RGVRVKLTNGETYSAIVQDQDQADIAITIKINVKN-PLPLRLGKSSDVRQGEFVVAMGSPFSLKN 300
gi | 292625124 | ref | XP_002665896.1 | ----- 300
gi | 125847406 | ref | XP_001335201.1 | ----- 300
gi | 157311753 | ref | NP_001098612.1 | ----- 300
gi | 192453530 | ref | NP_001122292.1 | ----- 300
gi | 292620017 | ref | XP_002664152.1 | ----- 300
gi | 292618360 | ref | XP_001332804.3 | ----- 300
gi | 125827889 | ref | XP_001333305.1 | -----MRS--FMEKCRHL----- 300
gi | 292620045 | ref | XP_002664161.1 | ----- 300
gi | 292618369 | ref | XP_707571.2 | ----- 300
gi | 292620068 | ref | XP_001923767.2 | -----MAIATTSARGLHPFSGREVPI--SNSSGFIISDDLIVTNAHVANKPGVRVKLTNGETYNAIVQDQDQADIAITIKINVKNPLP-LRLGKSSDVRQGEFVVAMGSPFSLKN 300
gi | 157841264 | ref | NP_001103205.1 | ----- 300
gi | 167963466 | ref | NP_001108178.1 | ----- 300
gi | 24646839 | ref | NP_650366.1 | ADVVAGC ADSVVYIEIKDTRHFDFYSGQPITASNGSGFIIEQNLGILINAHVVINKPHTMVQVRLSDGREFPATIEDVDQNSDLAILRIQVNN--LSVMRLGKSSTLRSGEWVVALGSPALASN 300
gi | 158289115 | ref | XP_310886.4 | ADAVEISAPAVVYIEIRDRQRVDFFRREPVTVNSGSGFIIERDGLILINAHVVVSKPHTLIVTVRLTDGRTFPGQVEHVDPSDLAIVRIRCDN--LPTLRLGSSADLRPGEWVVALGSPALANN 300
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300
```



