

gi | 148664190 | ref | NP\_055148.3 | MASVVLPSGSCAAAA--AAAAP-----PGLRLRLLLLLSAAALIPIT-----GDGONLFTKDVTVIEGEVATISCVVNSDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 114  
gi | 71040102 | ref | NP\_997558.2 | MASAVLPSGSCAAAAAVAAAAAP-----PGLRLRLLLLLSAAALIPIT-----GDGONLFTKDVTVIEGEVATISCVVNSDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 117  
gi | 84370145 | ref | NP\_001033647.1 | MASAVLPSGSCAAAAAVAAAAAP-----PGLRLRLLLLLSAAALIPIT-----GDGONLFTKDVTVIEGEVATISCVVNSDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 117  
gi | 58865974 | ref | NP\_001012201.1 | MASVVLPSGSCAAAAAVAAAAAP-----PGLRLRLLLLLSAAALIPIT-----GDGONLFTKDVTVIEGEVATISCVVNSDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 117  
gi | 114640416 | ref | XP\_001152029.1 | MASVVLPSGSCAAAA--AAAAP-----PGLRLRLLLLLSAAALIPIT-----GDGONLFTKDVTVIEGEVATISCVVNSDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 114  
gi | 73955112 | ref | XP\_536568.2 | MSMDWMRFHGHESSDGNCHPPREPKKFSSEVQFIELPGSGGELLVLNARHALTLCRWCVPERIYQHARERLIRKGDGONLFTKDVTVIEGEVATISCVVNSDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 150  
gi | 118101955 | ref | XP\_417901.2 | -NPFSLSPDTCLLER-----SLR-QLMSPKLQA-----GDGONLFTEDVTVIEGEVATISCRVKNDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 100  
gi | 165905623 | ref | NP\_001107023.1 | MKRMKQVFNMANISNG-----GAA-LLLIITISAATHG-----AAAY-PVQSSNLSNVTVEGEVATISCRVKNDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 112  
gi | 165905625 | ref | NP\_001107024.1 | MKSLKQVFNMAISLIG-----SHSISLFFVILAAFLHKG-----AAQTTPVCGONLVTNNVSVVEGEVATISCRVKNDDSVIQLLNPNOTIYFRDFRPLKDSRFOLLNFSSSELKVSILTNV 114



gi | 148664190 | ref | NP\_055148.3 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 263  
gi | 71040102 | ref | NP\_997558.2 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 266  
gi | 84370145 | ref | NP\_001033647.1 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 266  
gi | 58865974 | ref | NP\_001012201.1 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 266  
gi | 114640416 | ref | XP\_001152029.1 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 263  
gi | 73955112 | ref | XP\_536568.2 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 299  
gi | 118101955 | ref | XP\_417901.2 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 248  
gi | 165905623 | ref | NP\_001107023.1 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 260  
gi | 165905625 | ref | NP\_001107024.1 | SISDEGRYFCOLYDPPQESYTIITVLVPPRNLMDIQDKTAVEGEEIEVNCIAMSASKPATIRWFKGNTELKKGKSEVEEWS-D-MYTVTSQMLMKVHKEDDGVVVICQVEHPAVTGNLQTRYLEVOYKPVHIIQMTYPLQGLTREGDAL 262



gi | 148664190 | ref | NP\_055148.3 | ELTCEAIGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 382  
gi | 71040102 | ref | NP\_997558.2 | ELTCEAIGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---DSRAGEGSIKAVDHAIVGGVVA 396  
gi | 84370145 | ref | NP\_001033647.1 | ELTCEAIGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 357  
gi | 58865974 | ref | NP\_001012201.1 | ELTCEAIGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 416  
gi | 114640416 | ref | XP\_001152029.1 | ELTCEAIGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 410  
gi | 73955112 | ref | XP\_536568.2 | ELTCEAIGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 446  
gi | 118101955 | ref | XP\_417901.2 | ELTCAAFGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 392  
gi | 165905623 | ref | NP\_001107023.1 | ELTCLAKGKPEPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 389  
gi | 165905625 | ref | NP\_001107024.1 | ELTCKAKGKPPQVMVTVWRVDDDEMPQHAVLSGNLFINNLNKTNGTYRCEASNIVGKAHSDYMLYVYDPPPTIPPPPTTTTTTTTTTTT---ILLIITD---SRAGEGSIKAVDHAIVGGVVA 351



gi | 148664190 | ref | NP\_055148.3 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 442  
gi | 71040102 | ref | NP\_997558.2 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 456  
gi | 84370145 | ref | NP\_001033647.1 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 417  
gi | 58865974 | ref | NP\_001012201.1 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 476  
gi | 114640416 | ref | XP\_001152029.1 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 470  
gi | 73955112 | ref | XP\_536568.2 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 506  
gi | 118101955 | ref | XP\_417901.2 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 452  
gi | 165905623 | ref | NP\_001107023.1 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 449  
gi | 165905625 | ref | NP\_001107024.1 | VVVFAMLCLLIILGRYFARHKGTYFTHAEKAGDADAADATAIINAEGGQNSSEKKEYFI 411

