

gi|73977515|ref|XP\_539708.2|MPPNINWKEIIVKVDLPRQELADNLLVLSKVEISLKTESQENVIHFRITQSLMKMKAQEVLELALAEVEKAGEEQAKFENLTKTKVMKLENELELAQSSAGGRDTRFLRDEIROLEKOLEQKDRLEDMEKELEKEKKVNEQLAL 150  
gi|27807301|ref|NP\_777147.1|MPPNINWKEIIVKVDLPRQELADNLLVLSKVEISLKTESQENVIHFRITQSLMKMKAQEVLELALAEVEKAGEEQAKFENLTKTKVMKLENELEMAQSSAGGRDTRFLRNEICOLEKOLEQKDRLEDMEKELEKEKKVNEQLAL 150  
gi|109255234|ref|NP\_079390.3|MPPNINWKEIIVKVDLPRQELADNLLVLSKVEISLKTESQENVIHFRITQSLMKMKAQEVLELALAEVEKAGEEQAKFENLTKTKVMKLENELEMAQSSAGGRDTRFLRNEICOLEKOLEQKDRLEDMEKELEKEKKVNEQLAL 150  
gi|109480528|ref|XP\_235095.4|MPPNINWKEIIVKVDLPRQELADNLLVLSKVEISLKTESQENVIHFRITQSLMKMKAQEVLELALAEVEKAGEEQAKFENLTKTKVMKLENELEMAQSSAGGRDTRFLRDEIROLEKOLEQKDRLEDMEKELEKEKKVNEQLAL 150  
gi|118082366|ref|XP\_416130.2|MAPILDWKKLMRVDPDALPRQELADRLLELSKVDGKDLKNEIPEQLIHLFKITQSLMKMKAQEVLELALAEVEKAGEEQAKFENLTKTKVMKLENELEMAQSSAGGRDTRFLRDEIROLEKOLEQKDRLEDMEKELEKEKKVNEQLAL 150  
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150



gi|73977515|ref|XP\_539708.2|RNEEAENENSKLRRENKRLKKNELRQDIIDYQKIDSQKELLSRRGEDSDYRSQLSKKNYELVOYLDEIOTLLEANEKIEVONQEMRKNLEESVOEMEKMTDEYNRMKAIVHOTDNVMDQLKKNEDHYRLQVQELTDLKAKNEEDD 300  
gi|27807301|ref|NP\_777147.1|RNEEAENENSKLRRENKRLKKNELRQDIIDYQKIDSQKELLSRRGEDSDYRSQLSKKNYELVOYLDEIOTLLEANEKIEVONQEMRKNLEESVOEMEKMTDEYNRMKAIVHOTDNVMDQLKKNEDHYRLQVQELTDLKAKNEEDD 300  
gi|109255234|ref|NP\_079390.3|RNEEAENENSKLRRENKRLKKNELRQDIIDYQKIDSQKELLSRRGEDSDYRSQLSKKNYELVOYLDEIOTLLEANEKIEVONQEMRKNLEESVOEMEKMTDEYNRMKAIVHOTDNVMDQLKKNEDHYRLQVQELTDLKAKNEEDD 300  
gi|109480528|ref|XP\_235095.4|RNEEAENENSKLRRENKRLKKNELRQDIIDYQKIDSQKELLSRRGEDSDYRSQLSKKNYELVOYLDEIOTLLEANEKIEVONQEMRKNLEESVOEMEKMTDEYNRMKAIVHOTDNVMDQLKKNEDHYRLQVQELTDLKAKNEEDD 300  
gi|118082366|ref|XP\_416130.2|RNEEAENENSKLRRENKRLKKNELRQDIIDYQKIDSQKELLSRRGEDSDYRSQLSKKNYELVOYLDEIOTLLEANEKIEVONQEMRKNLEESVOEMEKMTDEYNRMKAIVHOTDNVMDQLKKNEDHYRLQVQELTDLKAKNEEDD 300  
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi|73977515|ref|XP\_539708.2|PVMAAVNAKVEEWKLLSSKDDDEIIEYQOMLHNLREKLKNAQLDADKSNVMAQQGIERDSQIKMLTEQVEOYTKEMEKNTFIIDLNELHRNKAGASTLSOOTHYMKIQSKVQMLEEKKEAERLAELAEADAREKDKELVEALKRKL 450  
gi|27807301|ref|NP\_777147.1|PVMAAVNAKVEEWKLLSSKDDDEIIEYQOMLHNLREKLKNAQLDADKSNVMAQQGIERDSQIKMLTEQVEOYTKEMEKNTFIIDLNELHRNKAGASTLSOOTHYMKIQSKVQMLEEKKEAERLAELAEADAREKDKELVEALKRKL 450  
gi|109255234|ref|NP\_079390.3|PIMVAVNAKVEEWKLLSSKDDDEIIEYQOMLHNLREKLKNAQLDADKSNVMAQQGIERDSQIKMLTEQVEOYTKEMEKNTFIIDLNELHRNKAGASTLSOOTHYMKIQSKVQMLEEKKEAERLAELAEADAREKDKELVEALKRKL 449  
gi|109480528|ref|XP\_235095.4|PVMAAVNAKVEEWKLLSSKDDDEIIEYQOMLHNLREKLKNAQLDADKSNVMAQQGIERDSQIKMLTEQVEOYTKEMEKNTFIIDLNELHRNKAGASTLSOOTHYMKIQSKVQMLEEKKEAERLAELAEADAREKDKELVEALKRKL 450  
gi|118082366|ref|XP\_416130.2|PLMAAVNAKVEEWKLLSSKDDDEIIEYQOMLHNLREKLKNAQLDADKSNVMAQQGIERDSQIKMLTEQVEOYTKEMEKNTFIIDLNELHRNKAGASTLSOOTHYMKIQSKVQMLEEKKEAERLAELAEADAREKDKELVEALKRKL 450  
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi|73977515|ref|XP\_539708.2|DYESGVYGLDVAIVEIKNCKNCKIKIRDRDEIEVLKKEINKLELKIINDFLDENEARLRRVGLPEKTMIDLTEFRNSKSLKQQYRAENQILLKEIESLEEBERLDLKKIRQMAQERGRKAATSGLTIDEDLNLENISQGDRIERKLDLISL 600  
gi|27807301|ref|NP\_777147.1|DYESGVYGLDVAIVEIKNCKNCKIKIRDRDEIEVLKKEINKLELKIINDFLDENEARLRRVGLPEKTMIDLTEFRNSKSLKQQYRAENQILLKEIESLEEBERLDLKKIRQMAQERGRKAATSGLTIDEDLNLENISQGDRIERKLDLISL 599  
gi|109255234|ref|NP\_079390.3|DYESGVYGLDVAIVEIKNCKNCKIKIRDRDEIEVLKKEINKLELKIINDFLDENEARLRRVGLPEKTMIDLTEFRNSKSLKQQYRAENQILLKEIESLEEBERLDLKKIRQMAQERGRKAATSGLTIDEDLNLENISQGDRIERKLDLISL 600  
gi|109480528|ref|XP\_235095.4|DYESGVYGLDVAIVEIKNCKNCKIKIRDRDEIEVLKKEINKLELKIINDFLDENEARLRRVGLPEKTMIDLTEFRNSKSLKQQYRAENQILLKEIESLEEBERLDLKKIRQMAQERGRKAATSGLTIDEDLNLENISQGDRIERKLDLISL 600  
gi|118082366|ref|XP\_416130.2|NYELGVYGLDVAIVEIKNCKNCKIKIRDRDEIEVLKKEINKLELKIINDFLDENEARLRRVGLPEKTMIDLTEFRNSKSLKQQYRAENQILLKEIESLEEBERLDLKKIRQMAQERGRKAATSGLTIDEDLNLENISQGDRIERKLDLISL 600  
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



gi|73977515|ref|XP\_539708.2|KNMNEAOSKSEFLSRELIKEKDLERSRTVIKFNKLELVEENKQLEEGMKEILQAIKEMOKDPDVKGGETSLIIPSLERLVNAIESKNAEGIFDASLHLKAQVDQLTGRNEELRQELRESRKEAINYSQOLAKANLKIDHLEKETSL 750  
gi|27807301|ref|NP\_777147.1|KNMNEAOSKSEFLSRELIKEKDLERSRTVIKFNKLELVEENKQLEEGMKEILQAIKEMOKDPDVKGGETSLIIPSLERLVNAIESKNAEGIFDASLHLKAQVDQLTGRNEELRQELRESRKEAINYSQOLAKANLKIDHLEKETSL 749  
gi|109255234|ref|NP\_079390.3|KNMNEAOSKSEFLSRELIKEKDLERSRTVIKFNKLELVEENKQLEEGMKEILQAIKEMOKDPDVKGGETSLIIPSLERLVNAIESKNAEGIFDASLHLKAQVDQLTGRNEELRQELRESRKEAINYSQOLAKANLKIDHLEKETSL 750  
gi|109480528|ref|XP\_235095.4|NNMNETOSKNEFLSRELIKEKDLERSRTVIKFNKLELVEENKQLEEGMKEILQAIKEMOKDPDVKGGETSLIIPSLERLVNAIESKNAEGIFDASLHLKAQVDQLTGRNEELRQELRESRKEAINYSQOLAKANLKIDHLEKETSL 750  
gi|118082366|ref|XP\_416130.2|QNIAEVKAKNEVLANELSERERDLKKNRTIIFKFNKLELVEENKQLEEGMKEILQAIKEMOKDPDVKGGETSLIIPSLERLVNAIESKNAEGIFDASLHLKAQVDQLTGRNEELRQELRESRKEAINYSQOLAKANLKIDHLEKETSL 750  
.....610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750



gi|73977515|ref|XP\_539708.2|LRQSEGSNVVFKGVDLPDGIAPSSAYIINSONEYLIHLLQELNKEKKLKNLEDSLEDYNRKFAVIRHOOSLLYKEYLSEKETWKTSEIIVKEEKKKLEDDQIQDAIKVKEYNNLLSALQMSDEMCKTLENSRKITVLOVNEKSLIRO 900  
gi|27807301|ref|NP\_777147.1|LRQSEGSNVVFKGVDLPDGIAPSSAYIINSONEYLIHLLQELNKEKKLKNLEDSLEDYNRKFAVIRHOOSLLYKEYLSEKETWKTSEIIVKEEKKKLEDDQIQDAIKVKEYNNLLSALQMSDEMCKTLENSRKITVLOVNEKSLIRO 899  
gi|109255234|ref|NP\_079390.3|LRQSEGSNVVFKGVDLPDGIAPSSAYIINSONEYLIHLLQELNKEKKLKNLEDSLEDYNRKFAVIRHOOSLLYKEYLSEKETWKTSEIIVKEEKKKLEDDQIQDAIKVKEYNNLLSALQMSDEMCKTLENSRKITVLOVNEKSLIRO 900  
gi|109480528|ref|XP\_235095.4|LRQSSGSNVVFKGVDLPDGIAPSSAYIINSONEYLIHLLQELNKEKKLKNLEDSLEDYNRKFAVIRHOOSLLYKEYLSEKETWKTSEIIVKEEKKKLEDDQIQDAIKVKEYNNLLSALQMSDEMCKTLENSRKITVLOVNEKSLIRO 900  
gi|118082366|ref|XP\_416130.2|LRQSECANIIFKTVNLPPEGMPSSANMINSLEYLVCLIQELNKEKKLKNLEDSLEDYNRKFAVIRHOOSLLYKEYLSEKETWKTSEIIVKEEKKKLEDDQIQDAIKVKEYNNLLSALQMSDEMCKTLENSRKITVLOVNEKSLIRO 900  
.....760.....770.....780.....790.....800.....810.....820.....830.....840.....850.....860.....870.....880.....890.....900



gi | 73977515 | ref | XP\_539708.2 | YTTLVEMERDLRKENKQKNEIAMEAEVGEKIGRLORFKEMAIFKIAALQKVIDNSVLSLELELANQYNELTAKYRDVLQKDNMLVQRTSNLEHLECEVNSLKEBOMESINKELEITKKEKLHTEQAWBQETKLGNESMDKAKKSVTN 1050  
gi | 27807301 | ref | NP\_777147.1 | MAMEAEVGEKIGRLORFKEMAIFKIAALQKVIDNSVLSLELELANQYNELTAKYRDVLQKDNMLVQRTSNLEHLECEVNSLKEBOMESINKELEITKKEKLHTEQAWBQETKLGNESMDKAKKSVTN 128  
gi | 109255234 | ref | NP\_079390.3 | YTTLVELERDLRKENKQKNEIAMEAEVGEKIGRLORFKEMAIFKIAALQKVIDNSVLSLELELANQYNELTAKYRDVLQKDNMLVQRTSNLEHLECEVNSLKEBOMESINKELEITKKEKLHTEQAWBQETKLGNESMDKAKKSVTN 1049  
gi | 109480528 | ref | XP\_235095.4 | YTTLVETIRDLRKENKQKNEIAMEAEVGEKIGRLORFKEMAIFKIAALQKVIDNSVLSLELELANQYNELTAKYRDVLQKDNMLVQRTSNLEHLECEVNSLKEBOMESINKELEITKKEKLHTEQAWBQETKLGNESMDKAKKSMTN 1050  
gi | 118082366 | ref | XP\_416130.2 | YTTLLVEMERHLRKENKQKNEIAMEAEVGEKIGRLORFKEMAIFKIAALQKVIDNSVLSLELELANQYNELTAKYRDVLQKDNMLVQRTSNLEHLECEVNSLKEBOMESINKELEITKKEKLHTEQAWBQETKLGNESMDKAKKSMTN 1050  
.....910.....920.....930.....940.....950.....960.....970.....980.....990.....1000.....1010.....1020.....1030.....1040.....1050



gi | 73977515 | ref | XP\_539708.2 | SEIVSISKKITMLEMKELNERQRAEHSQKMYEHVRTSLKQVEERNFELETKFAELTKINLEAQKVEQMLRDELADSVSKTVSDADRORILELEKSEMELKVEVSKLREISDIKARQVEILKAAQOOSREKEVEVSRMQLLDYQAOSDEKAL 1200  
gi | 27807301 | ref | NP\_777147.1 | SEIVSISKKITMLEMKELNERQRAEHSQKMYEHVRTSLKQVEERNFELETKFAELTKINLEAQKVEQMLRDELADSVSKTVSDADRORILELEKSEMELKVEVSKLREISDIKARQVEILKAAQOOSREKEVEVSRMQLLDYQAOSDEKAL 278  
gi | 109255234 | ref | NP\_079390.3 | SDIVSISKKITMLEMKELNERQRAEHSQKMYEHLRTSLKQVEERNFELETKFAELTKINLEAQKVEQMLRDELADSVSKTVSDADRORILELEKSEMELKVEVSKLREISDIKARQVEILKAAQOOSREKEVEVSRMQLLDYQAOSDEKAL 1199  
gi | 109480528 | ref | XP\_235095.4 | SDIVSISKKITMLEMKELNERQRAEHSQKMYEHLRTSLKQVEERNFELETKFAELTKINLEAQKVEQMLRDELADSVSKTVSDADRORILELEKSEMELKVEVSKLREISDIKARQVEILKAAQOOSREKEVEVSRMQLLDYQAOSDEKAL 1200  
gi | 118082366 | ref | XP\_416130.2 | SEISSISKKITMLEMKELNERQRAEHSQKMYEHLRNLTKQVEERNFELETKFAELTKINLEAQKVEQMLRDELADSVSKTVSDADRORILELEKSEMELKVEVSKLREISDIKARQVEILKAAQOOSREKEVEVSRMQLLDYQAOSDEKAV 1200  
.....1060.....1070.....1080.....1090.....1100.....1110.....1120.....1130.....1140.....1150.....1160.....1170.....1180.....1190.....1200



gi | 73977515 | ref | XP\_539708.2 | IAKLHQHIVSLQISEAATLQKLESVTSKLOKMEACNLRLEQKLEDEKQALYFARLEGRNRAKHLRQTIOQLRRFSGALPLAQOQKFSKMIQLQNDKLIKIMQEMKNSQOEHRSRNMENKTEMELKLGLEELISTLKDARGAKVINWHM 1350  
gi | 27807301 | ref | NP\_777147.1 | IAKLHQHIVSLQISEAATLQKLESVTSKLOKMEACNLRLEQKLEDEKQALYFARLEGRNRAKHLRQTIOQLRRFSGALPLAQOQKFSKMIQLQNDKLIKIMQEMKNSQOEHRSRNMENKTEMELKLGLEELISTLKDARGAKVINWHM 428  
gi | 109255234 | ref | NP\_079390.3 | IAKLHQHIVSLQISEAATLQKLESVTSKLOKMEACNLRLEQKLEDEKQALYFARLEGRNRAKHLRQTIOQLRRFSGALPLAQOQKFSKMIQLQNDKLIKIMQEMKNSQOEHRSRNMENKTEMELKLGLEELISTLKDARGAKVINWHM 1349  
gi | 109480528 | ref | XP\_235095.4 | IAKLHQHIVSLQISEAATLQKLESVTSKLOKMEACNLRLEQKLEDEKQALYFARLEGRNRAKHLRQTIOQLRRFSGALPLAQOQKFSKMIQLQNDKLIKIMQEMKNSQOEHRSRNMENKTEMELKLGLEELISTLKDARGAKVINWHV 1350  
gi | 118082366 | ref | XP\_416130.2 | IAKLHQHITLQDSEIATVQKLETKLKLKLVETHSLEHLEQKLDREHALYFARLEGRNRAKHLRQTIOQLRRFSGALPLAQOQKFSKMIQLQNDKLIKIMQEMKNSQOEHRSRNMENKTEMELKLGLEELISTLKDARGAKVIEWHM 1350  
.....1210.....1220.....1230.....1240.....1250.....1260.....1270.....1280.....1290.....1300.....1310.....1320.....1330.....1340.....1350



gi | 73977515 | ref | XP\_539708.2 | KIBELRLQELKLNRELVDKKEIKVLNIISEYEHITSSLEEEIVQONKPFHERQMAWDQREVELERQLDIFDRQONELKAAQKFEAATGSMPPDPLPQLEIALRKKIKENIRIILETRATCKSLBEKLEKESALRLAEONILSRD 1500  
gi | 27807301 | ref | NP\_777147.1 | KIBELRLQELKLNRELVDKKEIKVLNIISEYEHITSSLEEEIVQONKPFHERQMAWDQREVELERQLDIFDRQONELKAAQKFEAATGSMPPDPLPQLEIALRKKIKENIRIILETRATCKSLBEKLEKESALRLAEONILSRD 578  
gi | 109255234 | ref | NP\_079390.3 | KIBELRLQELKLNRELVDKKEIKVLNIISEYERTISSLEEEIVQONKPFHERQMAWDQREVDLERQLDIFDRQONELNAAQKFEAATGSMPPDPLPQLEIALRKKIKENIRIILETRATCKSLBEKLEKESALRLAEONILSRD 1499  
gi | 109480528 | ref | XP\_235095.4 | KIBELRLQELKLNRELVDKKEIKVLNIISEYEHITSSLEEEIVQONKPFHERQMAWDQREVELERQLDIFDRQONELKAAQKFEAATGSMPPDPLPQLEIALRKKIKENIRIILETRATCKSLBEKLEKESALRLAEONILSRD 1500  
gi | 118082366 | ref | XP\_416130.2 | KMELRLQELKLNRELVDKKEIKVLNIISEYECTINLLEEEVQONKPFHERQMAWDQRELELQRLDIYDQONELKAAQKFEAATGSMPPDPLPQLEIALRKKIKENIRIILETRATCKSLBEKLEKESALRLAEONILSRD 1500  
.....1360.....1370.....1380.....1390.....1400.....1410.....1420.....1430.....1440.....1450.....1460.....1470.....1480.....1490.....1500



gi | 73977515 | ref | XP\_539708.2 | KVINELRLRLPATAEREKLIQELGRKVEPKSHHTLQIAQQTIANMQARLNQKEEVLKYYQHLLKAREEQREIVKKEEEDLHLHKLQEQADSLNKFQKTAQDLIKQSPVPTNKHFIRLAEMEQVAEQDSSLSLLVKKLKVSG 1650  
gi | 27807301 | ref | NP\_777147.1 | KVINELRLRLPATAEREKLIQELGRKVEPKSHHTLQIAQQTIANMQARLNQKEEVLKYYQHLLKAREEQREIVKKEEEDLHLHKLQEQADSLNKFQKTAQDLIKQSPVPTNKHFIRLAEMEQVAEQDSSLSLLVKKLKVSG 728  
gi | 109255234 | ref | NP\_079390.3 | KVINELRLRLPATAEREKLIQELGRKVEPKSHHTLQIAQQTIANMQARLNQKEEVLKYYQHLLKAREEQREIVKKEEEDLHLHKLQEQADSLNKFQKTAQDLIKQSPVPTNKHFIRLAEMEQVAEQDSSLSLLVKKLKVSG 1649  
gi | 109480528 | ref | XP\_235095.4 | KVINELRLRLPATAEREKLIQELGRKVEPKSHHTLQIAQQTIANMQARLNQKEEVLKYYQHLLKAREEQREIVKKEEEDLHLHKLQEQADSLNKFQKTAQDLIKQSPVPTNKHFIRLAEMEQVAEQDSSLSLLVKKLKVSG 1650  
gi | 118082366 | ref | XP\_416130.2 | KVINELRLRLPATAEREKLIQELGRKVEPKSHHTLQIAQQTIANMQARLNQKEEVLKYYQHLLKAREEQREIVKKEEEDLHLHKLQEQADSLNKFQKTAQDLIKQSPVPTNKHFIRLAEMEQVAEQDSSLSLLVKKLKVSG 1650  
.....1510.....1520.....1530.....1540.....1550.....1560.....1570.....1580.....1590.....1600.....1610.....1620.....1630.....1640.....1650



gi | 73977515 | ref | XP\_539708.2 | DLERQKEITELKIKEFENIKLRLQENHADEVKVKAEVEDLRCCLLQSHQKESQNLKSELQAKQKANSRAPTTMNRNLVERLKSQALKEKQKALSRALLELRRAEMTAAABERIIISATSQKEANLVQOIVDRHTKELKSOIEDLNENLL 1800  
gi | 27807301 | ref | NP\_777147.1 | DLERQKEITELKIKEFENIKLRLQENHADEVKVKAEVEDLRCCLLQSHQKESQNLKSELQAKQKANSRAPTTMNRNLVERLKSQALKEKQKALSRALLELRRAEMTAAABERIIISATSQKEANLVQOIVDRHTKELKSOIEDLNENLL 878  
gi | 109255234 | ref | NP\_079390.3 | DLERQKEITELKIKEFENIKLRLQENHADEVKVKAEVEDLRCCLLQSHQKESQNLKSELQAKQKANSRAPTTMNRNLVERLKSQALKEKQKALSRALLELRRAEMTAAABERIIISATSQKEANLVQOIVDRHTKELKSOIEDLNENLL 1799  
gi | 109480528 | ref | XP\_235095.4 | DLERQKEITELKIKEFENIKLRLQENHADEVKVKAEVEDLRCCLLQSHQKESQNLKSELQAKQKANSRAPTTMNRNLVERLKSQALKEKQKALSRALLELRRAEMTAAABERIIISATSQKEANLVQOIVDRHTKELKSOIEDLNENLL 1800  
gi | 118082366 | ref | XP\_416130.2 | DLERQKEITELKIKEFENIKLRLQENHADEVKVKAEVEDLRCCLLQSHQKESQNLKSELQAKQKANSRAPTTMNRNLVERLKSQALKEKQKALSRALLELRRAEMTAAABERIIISATSQKEANLVQOIVDRHTKELKSOIEDLNENLL 1800  
.....1660.....1670.....1680.....1690.....1700.....1710.....1720.....1730.....1740.....1750.....1760.....1770.....1780.....1790.....1800



gi|73977515|ref|XP\_539708.2| K L K E A L K T S K N R E N S L D N L N D L T N E L Q K K Q A Y N K M L R E K D G I D Q E N D E L K R O I K R L T S G L O G K P L I D N --- K Q S L I E E L O R K V D E A E I K P V K E - K S T K E E L I R W E E G K K W O T K I E G I R N K L K E E G E V V I L T K O L N T 1946  
gi|27807301|ref|NP\_777147.1| K L K E A L K T S K N R E N T L D N L N D L T N E L Q N K Q A Y G K V L R E K D A V D Q E N N E L K R O I K R L T S G L O G K P L I D N --- K Q S L I E E L O R K V D E A E M K P M K E - K S A R E E V I R W E E G K K W O T K I E G I R N K L K E E G E V V I L T K O L N T 1024  
gi|109255234|ref|NP\_079390.3| K L K E A L K T S K N R E N S L D N L N D L N N E L Q K K Q A Y N K L I R E K E E I D Q E N D E L K R O I K R L T S G L O G K P L I D N --- K Q S L I E E L O R K V K L L E N O L E G K V E E D L K P M K E - K N A K E E L I R W E E G K K W O T K I E G I R N K L K E E G E V V I L T K O L N T 1945  
gi|109480528|ref|XP\_235095.4| K L K E A L K T S K N K E N S L A D D L N D L N N E L Q K K Q A Y N K L I R E K D G I D Q E N D E L R R O I K R L S S G L O S K T L I D N --- K Q S L I D E L O K K V K L E S O L E R Q V D D I K P I K E - K S G K E E L I R W E E G K K W O T K V E G M R N K L K E E G E V H S L T K O L S T 1946  
gi|118082366|ref|XP\_416130.2| K L T D N L K L S K N R E S A L L D E R D E L N Q E L Q R K Q A F T K M M R E K S E I E M E N E L K R I R R L T T G I O V E V I E K N A G E N L I D E L O K K V K L L E N --- E K K E E I K K S I K E D K I S K E E I R W E E S K K W I R I E G M R N K L K E E K E T D L L A K O F T T 1948



gi|73977515|ref|XP\_539708.2| \* \* \* \* \* K D L F A K A D K E K L S L Q R K L K T I G I V D V Q M G V R A F E S E K E L E B L K R R N L D L E N D I S Y M R S Q A L P R D S V V E D L H L O N R Y L Q E K L H V L E K O F S K D A S R P S T S G I E S D D H Y Q R E Q E L O R E N L K L S S E N I E L K F O L E Q A N K D L P R L K S Q V R D 2096  
gi|27807301|ref|NP\_777147.1| \* \* \* \* \* K D L F A K A D K E K L S L Q R K L K T I G L V D V M A A R V L E S E K E L E B L K R R N L D L E N D I S Y M R S Q A L P R D S V I E D L H L O N K Y L Q E K L H A L E K O L S K D A Y S R P S T S G I D S D D H Y Q R E Q E L O R E N L K L S S E N I E L K F O L E Q A N K D L P R L K N O V R D 1174  
gi|109255234|ref|NP\_079390.3| \* \* \* \* \* K D L F A K A D K E K L S L Q R K L K T I G M V D V L G I R A L E S E K E L E B L K R R N L D L E N D I L Y M R A H Q A L P R D S V V E D L H L O N R Y L Q E K L H A L E K O F S K D T Y S K P S I S G I E S D D H C O R E Q E L O R E N L K L S S E N I E L K F O L E Q A N K D L P R L K N O V R D 2095  
gi|109480528|ref|XP\_235095.4| \* \* \* \* \* K K E L F A K A D K E K L S L Q R K L K T I G M V D V L G V R A L E S E K E L E B L K R R N L D L E N D I V Y M R T H Q A L P R D S V V E D L H L O N R Y L Q E K L H L E N K L S K D A Y S S L T S E I E S D D H C Q K E Q E L O R E N L K L S S E N I E L K F O L E Q A K K D L P R L K N O V R D 2096  
gi|118082366|ref|XP\_416130.2| \* \* \* \* \* L K E L Y S K T E K E K I L T L Q K K L K N I G V I V D R V V G V R A S E T E K E L E B L K R R N L N L E V A H M R T Q A I P R D S V V E E L H L K N Q Y L Q E K L H E L O R C S R E A Y S R P S T S G V G S D D Y Q R E Q E V L K E N L R L S S E N V E L R F O L E Q A N R D L P R L K D O V S D 2098



gi|73977515|ref|XP\_539708.2| \*\*\*\*\* \* \* \* \* \* L K E M C D F L K K E A E V E R K L G R V R G S G R S G K T I P E L E K T I G L M K V V E K V Q R E N E O L K K A S G I L T S E K M A N I E L E N E K L K A E L E K L K A H L G R O L S I H Y E S K T G T E K I V A E N E R L R K E L K K E T E A E A K L R I A K N N L E I L N E K M I V O L E E T G 2246  
gi|27807301|ref|NP\_777147.1| \*\*\*\*\* \* \* \* \* \* L K E M C F L K K E A E V E R K L G R V R G S G R S G K T I P E L E K T I G L M K V V E K V Q R E N E O L K K A S G I L T S E K M A N I E M E N E K L K A E L E K L K V H L G R O L S M H Y E S K A G T E K I V A E N E R L R K E L K --- 1293  
gi|109255234|ref|NP\_079390.3| \*\*\*\*\* \* \* \* \* \* L K E M C F L K K E A E V Q R K L G H V R G S G R S G K T I P E L E K T I G L M K V V E K V Q R E N E O L K K A S G I L T S E K M A N I E L E N E K L K A E L E K L K A H L G H O L S M H Y E S K T G T E K I T A E N E R L R K E L K K E T D A E A K L R I A K N N L E I L N E K M I V O L E E T G 2245  
gi|109480528|ref|XP\_235095.4| \*\*\*\*\* \* \* \* \* \* L K E M C I L K K G M E L E R K L G Q V R G S G R S G K T I P E L E K T I G L M K V V E K V Q R E N E O L K K A S G I L T S E K M A T L E E N G K L K A E L E K L K A H F G R O L S M Q F E S K S K G T E R I M A E N E R L R K E L K K E M Q A S E K L R I A K N N L E V N D K M A G O L E E T G 2246  
gi|118082366|ref|XP\_416130.2| \*\*\*\*\* \* \* \* \* \* L K E M C E L L K K E A D V E R K L G N V R G A G R S G K T V P E L E K T I G L M K V V E R V Q R E N E D L K K S P A V V N E K L L G L E O E N E R L R T E M R K M L D L G G O L S M H Y E S K T R G M E K V I T E N E R L R K E L K K E A D S G E K L R I A K N L E I L N E K L I V O L E E A I 2248



gi|73977515|ref|XP\_539708.2| \* \* \* \* \* \* \* K R L Q L A E S R G P Q L E G A D S K S W K S I V M T R M V E T K L K E L E T D I A K K T Q S L I D L K Q L V R Q A T E R E O K A K Y T E D L E Q Q I A I L K H V P E G A E T E Q L Q R E L Q V L R L A K S O L E K E K A E L I H O L E V N K D O S G A E S A V S D - P D Q L K E K V K D L E T O L K T 2395  
gi|27807301|ref|NP\_777147.1| \* \* \* \* \* \* \* K I E I L K H V P E G D E T E Q L Q R E L R V L R L A N S O L E K E K A E L I H R I E I S K D N G P D S T I S D - P D H L M E K I K D L E T O L R T 1368  
gi|109255234|ref|NP\_079390.3| \* \* \* \* \* \* \* K R L Q F A E S R G P Q L E G A D S K S W K S I V V T R M V E T K L K E L E T D I A K K N Q S I D L K Q L V K E A T E R E O K V N K Y N E D L E Q Q I K I L K H V P E G A E T E Q L K R E L Q V L R L A N H O L D K E K A E L I H O I E A N K D O S G A E S T I P D - A D L K E K I K D L E T O L K M 2394  
gi|109480528|ref|XP\_235095.4| \* \* \* \* \* \* \* K R L Q F A E S R G P Q L E G A D S O S W K S I V V S R I V D K I K D L E S D I A K K N Q S I D L K Q L V R E A T E R E O K A K Y T E D L E Q Q I E I L K N V P E G A E T E Q E L I Q L Q L L R L A N N O L D K K A E L I H O I E V I K D O I G A E S S T P D - S D L K K K I N D L E I H L R K M 2395  
gi|118082366|ref|XP\_416130.2| \* \* \* \* \* \* \* K K L N L A E S T G P Q L D E A D R K I W S V A V A R M H E T K M K E L E M D I A K K T O S I D L K R L L Q E A T E R E H N A D K N I Q D L K E I E L L S L E P G A R I E H G L I R E L Q L L R L A N S R L E K E A E L G R O I E D Y H Q I H I E V S K K D K N D K I M T E V A D L Q L K A 2398



gi|73977515|ref|XP\_539708.2| \* \* \* \* \* \* \* S D L E K Q H L K E E I K K L K K E L E N F D P S F F E E I E D L K Y N Y K E E V K K N I L L E E K L R K L S E O C G V E L T S P V A A S E Q F E D E G E S P P N L P I Y 2480  
gi|27807301|ref|NP\_777147.1| \* \* \* \* \* \* \* S D M E K Q H L K E E I Q K L K K E L E N F D P S F F E E I E D L K Y N Y K E E V K K N I L L E E K L K L S E O F G V E L T S P V A A S E Q F E D E Q E N P V N F P I Y 1453  
gi|109255234|ref|NP\_079390.3| \* \* \* \* \* \* \* S D L E K Q H L K E E I K K L K K E L E N F D P S F F E E I E D L K Y N Y K E E V K K N I L L E E K V K L S E O L G V E L T S P V A A S E E F E D E E S P V N F P I Y 2479  
gi|109480528|ref|XP\_235095.4| \* \* \* \* \* \* \* S E P E K Q H L K E E I K K L K K E L E N F D P S F F E E I E D L K Y N Y K E E V K K N I L L E E K L N K L S E O F G F E L P S P L A A S E Q R E D - G E S P N G V P I Y 2479  
gi|118082366|ref|XP\_416130.2| \* \* \* \* \* \* \* S K L E K Q L E E E I K K L R K E L E N F N N S F F E E I E D L K Y N N E E L K N I I L E E R L K K L S E E F G T V N S P A N T I S V D --- 2469

