

gi |4505195|ref|NP\_002410.1| MEPLKSLFLKSPGLGSWNSGGGGGGGGGRRPEGSPKA-AGYANPVWVIALFDYEPNGDELALRKGDRVEVLSRDAAISGDEGWWAGOVGGVGFIPSNYVSRGGGPPPCEVASFOELRLLEEVIGGGFGKIVYRGSWRGELVAVKAAARD 149  
gi |114638588|ref|XP\_508556.2| MEPLKSLFLKSPGLGSWNSGGGGGGGGGQPEGSPKA-AGYANPVWVIALFDYEPNGDELALRKGDRVEVLSRDAAISGDEGWWAGOVGGVGFIPSNYVSRGGGPPPCEVASFOELRLLEEVIGGGFGKIVYRGSWRGELVAVKAAARD 149  
gi |31543234|ref|NP\_071295.2| MEPLKSLFLKSPGLGSWNSGGGGGGGGVRRPEGSPKATAAYANPVWVIALFDYEPNGDELALRKGDRVEVLSRDAAISGDEGWWAGOVGGVGFIPSNYVSRGGGPPPCEVASFOELRLLEEVIGGGFGKIVYRGSWRGELVAVKAAARD 150  
gi |61557106|ref|NP\_001013168.1| MEPLKSLFLKSPGLGSWNSGGGGGGGGVRRPEGSPKATAAYANPVWVIALFDYEPNGDELALRKGDRVEVLSRDAAISGDEGWWAGOVGGVGFIPSNYVSRGGGPPPCEVASFOELRLLEEVIGGGFGKIVYRGSWRGELVAVKAAARD 150  
gi |73983682|ref|XP\_540853.2| MEPLKSLFLKSPGLGSWNSGGGGGGGGVRRPEGSPKATAAYANPVWVIALFDYEPNGDELALRKGDRVEVLSRDAAISGDEGWWAGOVGGVGFIPSNYVSRGGGPPPCEVASFOELRLLEEVIGGGFGKIVYRGSWRGELVAVKAAARD 149  
gi |156120631|ref|NP\_001095461.1| MEPLKSLFLKSPGLGSWNSGGGGGGGGVRRPEGSPKATAAYANPVWVIALFDYEPNGDELALRKGDRVEVLSRDAAISGDEGWWAGOVGGVGFIPSNYVSRGGGPPPCEMASFOELRLLEEVIGGGFGKIVYRGSWRGELVAVKAAARD 149  
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....130.....140.....150



gi |4505195|ref|NP\_002410.1| PDEDISVTAESVRRQEARLFAMLAHPNIIALKAVCLEEPNLCVMEYAAAGGPLSRALAGRVPVHVLVWAVQIARGMHYHLCALVPVHRLDKSNLILLQPIEGDDMEHKLKIIDFGLAREWHKTTQMSAAGTYAWMAPEVIKASTF 299  
gi |114638588|ref|XP\_508556.2| PDEDISVTAESVRRQEARLFAMLAHPNIIALKAVCLEEPNLCVMEYAAAGGPLSRALAGRVPVHVLVWAVQIARGMHYHLCALVPVHRLDKSNLILLQPIEGDDMEHKLKIIDFGLAREWHKTTQMSAAGTYAWMAPEVIKASTF 299  
gi |31543234|ref|NP\_071295.2| PDEDISVTAESVRRQEARLFAMLAHPNIIALKAVCLEEPNLCVMEYAAAGGPLSRALAGRVPVHVLVWAVQIARGMHYHLCALVPVHRLDKSNLILLQPIEGDDMEHKLKIIDFGLAREWHKTTQMSAAGTYAWMAPEVIKASTF 300  
gi |61557106|ref|NP\_001013168.1| PDEDISVTAESVRRQEARLFAMLAHPNIIALKAVCLEEPNLCVMEYAAAGGPLSRALAGRVPVHVLVWAVQIARGMHYHLCALVPVHRLDKSNLILLQPIEGDDMEHKLKIIDFGLAREWHKTTQMSAAGTYAWMAPEVIKASTF 300  
gi |73983682|ref|XP\_540853.2| PDEDISVTAESVRRQEARLFAMLAHPNIIALKAVCLEEPNLCVMEYAAAGGPLSRALAGRVPVHVLVWAVQIARGMHYHLCALVPVHRLDKSNLILLQPIEGDDMEHKLKIIDFGLAREWHKTTQMSAAGTYAWMAPEVIKASTF 299  
gi |156120631|ref|NP\_001095461.1| PDEDISVTAESVRRQEARLFAMLAHPNIIALKAVCLEEPNLCVMEYAAAGGPLSRALAGRVPVHVLVWAVQIARGMHYHLCALVPVHRLDKSNLILLQPIEGDDMEHKLKIIDFGLAREWHKTTQMSAAGTYAWMAPEVIKASTF 299  
.....160.....170.....180.....190.....200.....210.....220.....230.....240.....250.....260.....270.....280.....290.....300



gi |4505195|ref|NP\_002410.1| SKGSDVWSFGVLLWELLTGEVPPYRGIDCLAVAYGAVNKLILPISPSTCEPFFAQLMADCAWDPHRRPDPFASILQOLEALEAVLREMPRDSFHSMOEGWKREIQGLFDELRAKEKELLSREEELTRAAREQSQAEQLRRREHLLAOWE 449  
gi |114638588|ref|XP\_508556.2| SKGSDVWSFGVLLWELLTGEVPPYRGIDCLAVAYGAVNKLILPISPSTCEPFFAQLMADCAWDPHRRPDPFASILQOLEALEAVLREMPRDSFHSMOEGWKREIQGLFDELRAKEKELLSREEELTRAAREQSQAEQLRRREHLLAOWE 449  
gi |31543234|ref|NP\_071295.2| SKGSDVWSFGVLLWELLTGEVPPYRGIDCLAVAYGAVNKLILPISPSTCEPFFAQLMADCAWDPHRRPDPFASILQOLEALEAVLREMPRDSFHSMOEGWKREIQGLFDELRAKEKELLSREEELTRAAREQSQAEQLRRREHLLAOWE 450  
gi |61557106|ref|NP\_001013168.1| SKGSDVWSFGVLLWELLTGEVPPYRGIDCLAVAYGAVNKLILPISPSTCEPFFAQLMADCAWDPHRRPDPFASILQOLEALEAVLREMPRDSFHSMOEGWKREIQGLFDELRAKEKELLSREEELTRAAREQSQAEQLRRREHLLAOWE 450  
gi |73983682|ref|XP\_540853.2| SKGSDVWSFGVLLWELLTGEVPPYRGIDCLAVAYGAVNKLILPISPSTCEPFFAQLMADCAWDPHRRPDPFASILQOLEALEAVLREMPRDSFHSMOEGWKREIQGLFDELRAKEKELLSREEELTRAAREQSQAEQLRRREHLLAOWE 449  
gi |156120631|ref|NP\_001095461.1| SKGSDVWSFGVLLWELLTGEVPPYRGIDCLAVAYGAVNKLILPISPSTCEPFFAQLMADCAWDPHRRPDPFASILQOLEALEAVLREMPRDSFHSMOEGWKREIQGLFDELRAKEKELLSREEELTRAAREQSQAEQLRRREHLLAOWE 449  
.....310.....320.....330.....340.....350.....360.....370.....380.....390.....400.....410.....420.....430.....440.....450



gi |4505195|ref|NP\_002410.1| LEVFERELTLLLOQVDRERPHVRRRRGTFRKSKLRARDGGERISMPIDFKHRIITVQASPLDRRRNVEVFGDGPSTFPRFRATOLEPAEPGQAWGROSPRRLEDSSNGERRACWAWGSPSPKPGAONGRRRSRMDEATWYLDSDSSSF 599  
gi |114638588|ref|XP\_508556.2| LEVFERELTLLLOQVDRERPHVRRRRGTFRKSKLRARDGGERISMPIDFKHRIITVQASPLDRRRNVEVFGDGPSTFPRFRATOLEPAEPGQAWGROSPRRLEDSSNGERRACWAWGSPSPKPGAONGRRRSRMDEATWYLDSDSSSF 599  
gi |31543234|ref|NP\_071295.2| LEVFERELTLLLOQVDRERPHVRRRRGTFRKSKLRARDGGERISMPIDFKHRIITVQASPLDRRRNVEVFGDGPSTFPRFRATOLEPAEPGQAWGROSPRRLEDSSNGERRACWAWGSPSPKPGAONGRRRSRMDEATWYLDSDSSSF 600  
gi |61557106|ref|NP\_001013168.1| LEVFERELTLLLOQVDRERPHVRRRRGTFRKSKLRARDGGERISMPIDFKHRIITVQASPLDRRRNVEVFGDGPSTFPRFRATOLEPAEPGQAWGROSPRRLEDSSNGERRACWAWGSPSPKPGAONGRRRSRMDEATWYLDSDSSSF 600  
gi |73983682|ref|XP\_540853.2| LEVFERELTLLLOQVDRERPHVRRRRGTFRKSKLRARDGGERISMPIDFKHRIITVQASPLDRRRNVEVFGDGPSTFPRFRATOLEPAEPGQAWGROSPRRLEDSSNGERRACWAWGSPSPKPGAONGRRRSRMDEATWYLDSDSSSF 599  
gi |156120631|ref|NP\_001095461.1| LEVFERELTLLLOQVDRERPHVRRRRGTFRKSKLRARDGGERISMPIDFKHRIITVQASPLDRRRNVEVFGDGPSTFPRFRATOLEPAEPGQAWGROSPRRLEDSSNGERRACWAWGSPSPKPGAONGRRRSRMDEATWYLDSDSSSF 599  
.....460.....470.....480.....490.....500.....510.....520.....530.....540.....550.....560.....570.....580.....590.....600



gi |4505195|ref|NP\_002410.1| LGSPSTPPALNGNPPRPSLEPEEPKRPVPAERGSSTPKLIQRALLRGTALLASLGLGRDLQPPGGPGRERGESPTTPP-----TPPAPCPTEPPPSPLIRFSLK-----PDS--PPTPAP-LLLDLGI-PVQSAKSPRRE 732  
gi |114638588|ref|XP\_508556.2| LGSPSTPPALNGNPPRPSLEPEEPKRPVPAERGSSTPKLIQRALLRGTALLASLGLGRDLQPPGGPGRERGESPTTPP-----TPPAPCPTEPPPSPLIRFSLK-----PDS--PPTPAP-LLLDLGI-PAGQSAKSPRRE 732  
gi |31543234|ref|NP\_071295.2| LGSPSTPPALNGNPPRPSLEPEEPKRPVPAERGSSTPKLIQRALLRGTALLASLGLGRDLQPPGGPGRERGESPTTPP-----TPPAPCPTEPPPSPLIRFSLK-----PDS--PPTPAP-LLLDLGI-PAGQSAKSPRRE 736  
gi |61557106|ref|NP\_001013168.1| LGSPSTPPALNGNPPRPSLEPEEPKRPVPAERGSSTPKLIQRALLRGTALLASLGLGRDLQPPGGPGRERGESPTTPP-----TPPAPCPTEPPPSPLIRFSLK-----PDS--PPTPAP-LLLDLGI-PAGQSAKSPRRE 736  
gi |73983682|ref|XP\_540853.2| LGSPSTPPALNGNPPRPSLEPEEPKRPVPAERGSSTPKLIQRALLRGTALLASLGLGRDLQPPGGPGRERGESPTTPP-----TPPAPCPTEPPPSPLIRFSLK-----PDS--PPTPAP-LLLDLGI-PAGQSAKSPRRE 612  
gi |156120631|ref|NP\_001095461.1| LGSPSTPPALNGNPPRPSLEPEEPKRPVPAERGSSTPKLIQRALLRGTALLASLGLGRDLQPPGGPGRERGESPTTPP-----TPPAPCPTEPPPSPLIRFSLK-----PDS--PPTPAP-LLLDLGI-PAGQSAKSPRRE 749  
.....610.....620.....630.....640.....650.....660.....670.....680.....690.....700.....710.....720.....730.....740.....750



gi |4505195|ref|NP\_002410.1| EPRGTVSPPPGTISRSAPGTPGTPRSPPLGLISRPRPSPLRSRIDPWSFVSAGRPPSPPLSPOPAPRRAPWTLFPDSDPFWDSPPANPFRGGPODCRAOTKIDMGAQAPWVPEAGP 847  
gi |114638588|ref|XP\_508556.2| EPRGTVSPPPGTISRSAPGTPGTPRSPPLGLISRPRPSPLRSRIDPWSFVSAGRPPSPPLSPOPAPRRAPWTLFPDSDPFWDSPPANPFRGGPODCRAOTKIDMGAQAPWVPEAGP 847  
gi |31543234|ref|NP\_071295.2| -TRGRTVSPPPGIISRSAPGTPGTPRSPPLGLISRPRPSPLRSRIDPWSFVSAGRPPSPPLSPOPAPRRAPWTLFPDSDPFWDSPPANPFRGGPODCRAOTKIDMGAQAPWVPEAGP 850  
gi |61557106|ref|NP\_001013168.1| -TRGRTVSPPPGIISRSAPGTPGTPRSPPLGLISRPRPSPLRSRIDPWSFVSAGRPPSPPLSPOPAPRRAPWTLFPDSDPFWDSPPANPFRGGPODCRAOTKIDMGAQAPWVPEAGP 850  
gi |73983682|ref|XP\_540853.2| -----TVSPPPGIISRSAPGTPGTPRSPPLGLISRPRPSPLRSRIDPWSFVSAGRPPSPPLSPOPAPRRAPWTLFPDSDPFWDSPPANPFRGGPODCRAOTKIDMGAQAPWVPEAGP 722  
gi |156120631|ref|NP\_001095461.1| ERRASAVSPPPGIISRSAPGTPGTPRSPPLGLISRPRPSPLRSRIDPWSFVSAGRPPSPPLSPOPAPRRAPWTLFPDSDPFWDSPPANPFRGGPODCRAOTKIDMGAQAPWVPEAGP 864  
.....760.....770.....780.....790.....800.....810.....820.....830.....840.....850.....860.....

