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logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1   .........MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKSPDVPI   71
NTDB id 1045 H0N27 RS16330 WP 168727019.1     MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
NTDB id 1143640 PCPL58 RS05585 WP 065348988.1 .MSQRQKILIVDDEPDIRELLEITLGRMKLDTRSARNVAEAHDWLAREPFDMCLTDMRLPDGNGLELVQHIQHGYPHVPV   79
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV   78
consensus                                       *******!*!******!****!*************!*********!**!*!**!!!**!**********!* !*

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   VFMTAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKASKLKNDVDNKNQNYQGFIGSSQTMQAVYRTIDSAAS   151
NTDB id 1045 H0N27 RS16330 WP 168727019.1     AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHD.TTENALENKLLIGRSLPIQQLRIAIKKIAR   159
NTDB id 1143640 PCPL58 RS05585 WP 065348988.1 AMITAHGNLDTAINALKAGAFDFVTKPVDLGRLRELVNSALSLPGAP.....PTRSIDNRLLGDSLAMRTLRNQIGKLAR   154
NTDB id 1473 PAKAF RS24000 WP 003094694.1    AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPE....AEEAPVDNRLLGESPPMRALRNQIGKLAR   154
consensus                                     ***!!*! *!*!**!***!!*!!**!!*****!******!***   *     * * ******!*!*** *****!***!*

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   SKASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGGTLFLD   231
NTDB id 1045 H0N27 RS16330 WP 168727019.1     SQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLD   239
NTDB id 1143640 PCPL58 RS05585 WP 065348988.1 SQAPIYISGESGSGKELVARLIHEQGPRIDKPFIPVNCGAIPSELMESEFFGHRKGSFSGAHEDKPGLFQAAHTGTLFLD   234
NTDB id 1473 PAKAF RS24000 WP 003094694.1    SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD   234
consensus                                     !*!*****!!!!*!!!**!***!** *!***!!***!!*!!!**!*!!! !!!*!!*!*!! ****!****!**!*!!!!

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   ELCEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLRARGDDVI   311
NTDB id 1045 H0N27 RS16330 WP 168727019.1     EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL   319
NTDB id 1143640 PCPL58 RS05585 WP 065348988.1 EVADLPLAMQVKLLRAIQEKSIRSVGGQQEQIVDVRILCATHKNLNAEVAAGRFRQDLYYRLNVIEVRVPPLRERREDID   314
NTDB id 1473 PAKAF RS24000 WP 003094694.1    EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP   314
consensus                                     !********!*!!!!**!**** !! **** !!*!***!***** **!**!*!!*!!**!**!*****!!!!*! *!**

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   EIAYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQ..MSAPINRALP   389
NTDB id 1045 H0N27 RS16330 WP 168727019.1     LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQ   399
NTDB id 1143640 PCPL58 RS05585 WP 065348988.1 QLAASVLKRLAGNGAQPVARLNAQALETLKSYRFPGNVRELENMLERAYTLCENDEIHASDLRLTESAS....PQ.....   385
NTDB id 1473 PAKAF RS24000 WP 003094694.1    LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPG....AS.....   385
consensus                                     **! ******** * * **!*************!!!!!*!*!******!*!***! ***!****  * ** *   *

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   .....LAHENKVSVHEI..FP..LWMTEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER   455
NTDB id 1045 H0N27 RS16330 WP 168727019.1     SIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETE.QEV   473
NTDB id 1143640 PCPL58 RS05585 WP 065348988.1 .......ESDGPNLADIDNLEDYLESIERQLILQALEETRWNRTAAAERLSLSFRSLRYRLKKLGLD........   445
NTDB id 1473 PAKAF RS24000 WP 003094694.1    .......QEGAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID........   445
consensus                                        ** ****** ********!* *!******!******!***!! *!**********!******       *
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X non conserved
X similar
X $\geq$50% conserved