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logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1   .........MVEDTASVAALYRSYLTPLDIDININVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKSPDVPI   71
NTDB id 1045 HON27 RS16330 WP 168727019.1     MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
NTDB id 1016076 ABXT62 RS12360 WP 415355584.1 ..MATQSVLIVDDEPDIRELLDITLSRMGLQTHSAATLEEAKELVARVQPDLCLTDMRLPDGNGISLVQYIQQEFPHIPV   78
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 HON27 RS16330 WP 168727019.1     AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVE.HDTTENALENKLLIGRSLPIQQLRIAIKKIAR   159
NTDB id 1016076 ABXT62 RS12360 WP 415355584.1 AMITAHGSVETAISALKAGAFDFISKPVELENLRRLISSALQLQADT.S..QAQDALDQGMIGSAPVIQTLRQQISRLAR   155
NTDB id 1473 PAKAF RS24000 WP 003094694.1    AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPE.A...EEAPVDNRLLGESPPMRALRNQIGKLAR   154
consensus                                     ***!!*!****!* !***!!*!!**!!*****!* ****!****  *  *  *** ******!***********! **!*

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   SKASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGGTLFLD   231
NTDB id 1045 HON27 RS16330 WP 168727019.1     SQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLD   239
NTDB id 1016076 ABXT62 RS12360 WP 415355584.1 SQAPVHIHGESGSGKEVVARLIHNNGPRATGAFVAVNCGAIPPELMESELFGHVKGSFTGASQDKEGLFQAASGGTLFLD   235
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 HON27 RS16330 WP 168727019.1     EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL   319
NTDB id 1016076 ABXT62 RS12360 WP 415355584.1 EVADLPLAMQVKLLRAIQEKTIRPVGASEEQHTDIRLLSATHKDLANEVEIGNFRQDLYYRINVIDVRVPSLRERLLEDVP   315
NTDB id 1473 PAKAF RS24000 WP 003094694.1    EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP   314
consensus                                     !********!*!!!!**!******!!*****  *!*!***!***!** *!   !*!!*!!**!**!*****!*!!*!**!**

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   EIAYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQMSAPINRALPLA   391
NTDB id 1045 HON27 RS16330 WP 168727019.1     LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPL....RANISNPFA   395
NTDB id 1016076 ABXT62 RS12360 WP 415355584.1 ALTKNILTRIGTAHGTAEARLENSAVNALNNYTFPGNVRELENILERALALSEGDSITADDLQFASA....TIRDSA..S   389
NTDB id 1473 PAKAF RS24000 WP 003094694.1    LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADA....PGA......   384
consensus                                     ***  ** *** * *** **!********** *!!!!!*!*!******!*!  **!****! ** *    *** * * *

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   HENK...........VSVH..EIF..PLWMTEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER   455
NTDB id 1045 HON27 RS16330 WP 168727019.1     SAAQSIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQ.EV   473
NTDB id 1016076 ABXT62 RS12360 WP 415355584.1 S..QDGNSERSNKAYESHDAYGDLEGYLEDIEREMISRALEQCRWNKTETAKMLGISFRSLRYRQKKLGLDN.......   459
NTDB id 1473 PAKAF RS24000 WP 003094694.1    S..QE........GAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID........   445
consensus                                     *  ** **      *****   * ** *!***!******!** ***!** *!**!****************      *
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X non conserved
X similar
X $\geq$50% conserved