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logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1   ..............MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKS   66
NTDB id 1045 HON27 RS16330 WP 168727019.1     .....MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNY   75
NTDB id 228511 CAP31 RS11585 WP 087447675.1  MLKRQTIGNIPTVLIVDDEADILELLEITLLRMGLDVVKATCVADALTSLKQGEFGLCLTDMRLPDGDGLEIVRYIQAER   80
NTDB id 1473 PAKAF RS24000 WP 003094694.1    .......MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRH   73
consensus                                          * * ***!*!**** *!****!****** **  ***! * **  *****!*!**!!**!**********

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   PDVPIVFMTAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKASKLKNDVDNKNQNYQGFIGSSQTMQAVYRTI   146
NTDB id 1045 HON27 RS16330 WP 168727019.1     PNTPIAVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHD.TTENALENKLLIGRSLPIQQLRIAI   154
NTDB id 228511 CAP31 RS11585 WP 087447675.1  PTVPVAVLTAHGNTDNAVTALKAGAFDYINKPVTLEQLRALVKSALKLPGS....A...TASERDLVGNSAAMQQARDLI   153
NTDB id 1473 PAKAF RS24000 WP 003094694.1    PQTPVAMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNP....EAEEAPVDNRLLGESPPMRALRNQI   149
consensus                                    !* !****!!*! *!*!* !***!!*!***!!*****!* ****!***         * *  *  **! ! *** **  !

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   DSAASSKASLFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGG   226
NTDB id 1045 HON27 RS16330 WP 168727019.1     KKIARSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGG   234
NTDB id 228511 CAP31 RS11585 WP 087447675.1  AKLSRTQAPVYITGESGSGKELAARLIHQQSNRATTAFVPVNCGAIPENLMESEFFGYKKGAFTGADSERDGFFYAANGG   233
NTDB id 1473 PAKAF RS24000 WP 003094694.1    GKLARSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGG   229
consensus                                    *******!*****!!!!*!!!**!***! ***!****!***!!*!!!**!*!!! !!**!! !!!! ****!** *! !!

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   TLFLDELCEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLRAR   306
NTDB id 1045 HON27 RS16330 WP 168727019.1     SLFLDEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRER   314
NTDB id 228511 CAP31 RS11585 WP 087447675.1  TLFLDEVADLPLQMQVKLLRVIQEKKVRRLGSNTEEPIDVRIISATHQHLAKCVEEGRFRQDLFYRLNVITLKMPALRDM   313
NTDB id 1473 PAKAF RS24000 WP 003094694.1    TLFLDEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRER   309
consensus                                    *!!!!!****** *!*!!!!**!******!***** *!*!***!********! *!*!!*!!**!**!**!**!*!!**

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   GDDVIEIAYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQM..SAPI   384
NTDB id 1045 HON27 RS16330 WP 168727019.1     GEDVLLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPF   394
NTDB id 228511 CAP31 RS11585 WP 087447675.1  REDVPLIAHTLLARLAAEAGISAPSLTKAAATALAQYDFPGNVRELENILERALALASGVQIDVDDLHLTPAVEETDDNQ   393
NTDB id 1473 PAKAF RS24000 WP 003094694.1    REDIPLLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQEGA   389
consensus                                     *!****! ******** **** *!****  ******!!!!!*!*!******! *  *!****!***** * ****

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   NRALPLAHENKVSV..HEIFPLWM.......TEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER   455
NTDB id 1045 HON27 RS16330 WP 168727019.1     ASAAQSIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQE.V   473
NTDB id 228511 CAP31 RS11585 WP 087447675.1  I...............ALPGMKWPLQDYLDRLEREAIQEALEKTRYNKTAAAKLLGVTFRALRYRLERLGMD........   450
NTDB id 1473 PAKAF RS24000 WP 003094694.1    A...............SLSE.IDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID........   445
consensus                                    * *               *  *** ****** *!******!** ***!***!!**!**********!******
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X non conserved
X similar
X $\geq$ 50% conserved