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logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1  .........MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKSPDVPI   71
NTDB id 1045 HON27 RS16330 WP 168727019.1    MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
NTDB id 232201 CCZ28 RS11550 WP 140218145.1 ..MARQKVLIVDDEPDIRELLEITLGRMKLDTASAKNIADARAILERESFDLCLTDMRLPDGSGLELINFIQQRLPQLPV   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    AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEH.DTTENALENKLLIGRSLPIQQLRIAIKKIAR  159
NTDB id 232201 CCZ28 RS11550 WP 140218145.1 AMITAFGSLETAVQALKAGAFDYLTKPVDLPRLRELVGTALRLSGPAT...PATGSSETQLLGESPPMRALRTQIAKLAR  155
NTDB id 1473 PAKAF RS24000 WP 003094694.1   AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEA...EE.APVDNRLLGESPPMRALRNQIGKLAR  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 232201 CCZ28 RS11550 WP 140218145.1 SQAPVYISGESGSGKERVARLIHEQGPRAGKPFVPVNCGAIPSELMESEFFGHRKGSFTGAIEDKQGLFQAAQGGTLFLD  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 232201 CCZ28 RS11550 WP 140218145.1 EVADLPLPMQVKLLRAIQEKAVRAVGSQQEISLDVRILSATHKDLAAEVAAGTFRQDLYYRLNVIELQVPALRERREDIG  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    LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAP....LRANISNPFA  395
NTDB id 232201 CCZ28 RS11550 WP 140218145.1 ALANYMLERLARDSGLAAATLGEDALAKLKSYRFPGNVRELENMLERAYTLCEGDVIRPNDLRLAD....APAA......  385
NTDB id 1473 PAKAF RS24000 WP 003094694.1   LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLAD....APGA......  384
consensus                                   **!* ** ***********!*************!!!!!*!*!*******!*! * ! * *!****    ***    * *

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NTDB id 1157 A1552VC RS03895 WP 001888250.1  H..........ENKVSVHEIFP....LWMTEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER  455
NTDB id 1045 HON27 RS16330 WP 168727019.1    SAAQSIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETE.QEV  473
NTDB id 232201 CCZ28 RS11550 WP 140218145.1 T..........AAGEASLANIANLEDHLESIERQLIMQALEETRWNRTAAAERLGLSFRSMRYRLKKLGID........  446
NTDB id 1473 PAKAF RS24000 WP 003094694.1   S..........QEGAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID........  445
consensus                                   *          **** ** ********!* *!******!******!***!! *!**********!******      *
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X non conserved
X similar
X $\geq$ 50% conserved