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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 1105152 ACNONO RS14765 WP 068853796.1 .MNENRSALVVDDERDIRELLVLTLGRMGLRISTAANLAEARELLASNPYDLCITDMRLPDGNGIELVTEIAQHYPRTPV   79
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV   78
consensus                                        *  ***!*!* ****!* **!******   ******!****** **!****!**!!!**!****  * ***!**!*

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   VFMTAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKASKLKNDVD.NKNQNYQQFIGSSQTMQAVYRTIDSAA   150
NTDB id 1045 HON27 RS16330 WP 168727019.1     AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTT..ENALENKLLIGRSLPIQQLRIAIKKIA   158
NTDB id 1105152 ACNONO RS14765 WP 068853796.1 AMITAFGSMDLAVEALKAGAFDFVSKPVDISVLRGLVKHALELNNTERPAPPPLTSDTTARLLGESAAMDGLRATITKVA   159
NTDB id 1473 PAKAF RS24000 WP 003094694.1    AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEA.....PVDNRLLGESPPMRALRNQIGKLA   153
consensus                                     ***!!*!**!*!**!***!!*!!**!!*** *!* *** !***** ****         ****!*! ****** *! **!

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   SSKASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGGTLFL   230
NTDB id 1045 HON27 RS16330 WP 168727019.1     RSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFL   238
NTDB id 1105152 ACNONO RS14765 WP 068853796.1 RSQAPVYILGESGVGKELVARTIHGQSARAAGPFVPVNCGAIPSELMESEFFGHKKGSFSGAHADKPGLFQAAHGGTLFL   239
NTDB id 1473 PAKAF RS24000 WP 003094694.1    RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFL   233
consensus                                     *!*!*****!!!!*!!!**!***!*** !***!!***!!*!!!**!*!!! !!!*!!*!*!!  ***!****!*!!*!!!

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   DELCEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLRARGDDV   310
NTDB id 1045 HON27 RS16330 WP 168727019.1     DEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDV   318
NTDB id 1105152 ACNONO RS14765 WP 068853796.1 DEVAELPLQMQVKLLRAIQEKSIRPVGAATEVPVDVRILSATHKDLGDLVEDGRFRHDLYYRINVIELRVPPLRERRSDL   319
NTDB id 1473 PAKAF RS24000 WP 003094694.1    DEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI   313
consensus                                     !!****** *!*!!!!**!*****!!* *** !!*!***!***!**   ! *!*!!*!!**!**!**!**!!!!*! *!*

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   IEIAYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQMSAPINRALPL   390
NTDB id 1045 HON27 RS16330 WP 168727019.1     LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLR..ANISNPFAS   396
NTDB id 1105152 ACNONO RS14765 WP 068853796.1 PQLAASILARLARTHGRPTPLLAPSALEAMGTYHFPGNVRELENILERALALAEGDTIGASDLRLPQQG..VPRHGGAP.   396
NTDB id 1473 PAKAF RS24000 WP 003094694.1    PLLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAP..GASQEGAA.   390
consensus                                     ***! ********* ***  *!*************!!!!!*!*!******! ! **! ***!*** *   **** ***

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NTDB id 1157 A1552VC RS03895 WP 001888250.1   A.........HENKV....SVHEIFPLWM..TEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER   455
NTDB id 1045 HON27 RS16330 WP 168727019.1     AAQSIQTTVAAPQAVKK..LPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV.   473
NTDB id 1105152 ACNONO RS14765 WP 068853796.1 .......VAAHEEAVVDLPAGSGALPSYIEQMERTAIQKALEENRWNKTRTAAQLGITFRALRYKLKKLGMD........   461
NTDB id 1473 PAKAF RS24000 WP 003094694.1    .......S..........LSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID........   445
consensus                                     *       * ******     * ***** *****!* ****!******!****! *!**********!******
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X non conserved
X similar
X $\geq$50% conserved