```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI    80
NTDB id 1049836 ACEPA4 RS15730 WP 065178929.1  .MNETRSALVVDDERDIRELLVLTLGRMGLRISTAANLAEARELLASNPYDLCITDMRLPDGNGIELVSEIAQHYPRTPV    79
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV    78
consensus                                              *!*!!!! !***!* *!!*!!*** *! ** *!**!** **!*!*!!**!!!!*!**!! * ! *!*!!*

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NTDB id 1045 HON27 RS16330 WP 168727019.1      AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTTE.NALENKLLIGRSLPIQQLRIAIKKIAR   159
NTDB id 1049836 ACEPA4 RS15730 WP 065178929.1  AMITAFGSMDLAVEALKAGAFDFVSKPVDIAVLRGLVKHALELNNTERPVPGPAAEQGARLLGDSPAMDVLRTTIGKVAR   159
NTDB id 1473 PAKAF RS24000 WP 003094694.1      AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAE....EAPVDNRLLGESPPMRALRNQIGKLAR   154
consensus                                      !**!!*!**!*!* !!!!!!!!!**!!!*** !* !*  !! *** ! *     !     *!*!*!***  !!  !*!*!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      SQAPVFVTGESGTGKELVARLIHQQGPRSEGPFVPVNCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLD   239
NTDB id 1049836 ACEPA4 RS15730 WP 065178929.1  SQAPVYILGESGVGKELVARTIHAQGARAAGPFVPVNCGAIPGELMESEFFGHRKGSFSGAHADKPGLFQAAHGGTLFLD   239
NTDB id 1473 PAKAF RS24000 WP 003094694.1      SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD   234
consensus                                      !!!!!**!!!!*!!!*!!***! ** ! **!!***!!!!!!*!!!!!!*!!!*!!!!*!!  !!*!!***!*!!*!!!!

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NTDB id 1045 HON27 RS16330 WP 168727019.1      EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL   319
NTDB id 1049836 ACEPA4 RS15730 WP 065178929.1  EVAELPLQMQVKLLRAIQEKSVRAVGAANEEPVDVRILSATHKDLAELVEDGRFRHDLYYRINVIELRVPPLRERRQDLP   319
NTDB id 1473 PAKAF RS24000 WP 003094694.1      EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP   314
consensus                                      !*!*!!* !!!!!!!!*!!! *!*!!* *!* !!*!***!*!*!!* *!  !*!!*!!**!**!**!**!!!!!!**!**

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQ   399
NTDB id 1049836 ACEPA4 RS15730 WP 065178929.1  ELAASVLARLARSHGRPTPLLAPSALDALAQYAFPGNVRELENILERALALAEEDRIGADDLRLPQHAPRTP........   391
NTDB id 1473 PAKAF RS24000 WP 003094694.1      LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ........   386
consensus                                      *!!  ** *** * * !   !*  ! * ! ** !!!!!!!!*!**!!!**! !** !   *!***   * *

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      SIQTTVAAPQAVK..KLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 1049836 ACEPA4 RS15730 WP 065178929.1  ...GSAAHAEAVADLQPGNAALPSYIEQLERSAIQRALEENRWNKTRTAAQLGITFRALRYKLKKLGME.......   457
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ...EGAAS.......LSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                          **!   **       **!* !*!**!* ****!!****!!*! *! *!!*!!!**!!*!!!*!**
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X non conserved

X similar

X ≥50% conserved