```
logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1   ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPVAMITA   83
NTDB id 85787 IOP84 RS01330 WP 414632198.1  MVEQQPLVLLVDDEEDLCTLMQMSLMRMGIRTHIAHRLEDAKKFLTDHQYDACLTDLNLPDGNGLQLLDWINQHSPYLPVAVLTA   85
NTDB id 1045 HON27 RS16330 WP 168727019.1   MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPIAVLTA   85
consensus                                   * ******!*!!!!*!** !****!*!!**!**! ***!* ***   *!*!!!!**!!!!*!!*!* ***!  !**!*!**!!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1   YGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRN....PEAEEAPVDNRLLGESPPMRALRNQIGKLARSQAPVYISGE   164
NTDB id 85787 IOP84 RS01330 WP 414632198.1  YGNMDIAIAALKAGAFDFVSKPINQKHLEQLLQKALNKPVDYYQNNSNDSLEHKLLIGQSLPIQQLRVTLKKIARSQAPVFITGE   170
NTDB id 1045 HON27 RS16330 WP 168727019.1   YGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKV.EHDTTENALENKLLIGRSLPIQQLRIAIKKIARSQAPVFVTGE   169
consensus                                   !!**!*!!*!!!!!!!!!**!!*** *!**!***!!**        ****** **!*! !*!***!!* **!*!!!!!!!***!!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1   SGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDEVADLPMAMQVKLLR   249
NTDB id 85787 IOP84 RS01330 WP 414632198.1  SGTGKEVVANLVHRLSNRNEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLIQSAHGGSLFLDEIAELPLSMQVKLLR   255
NTDB id 1045 HON27 RS16330 WP 168727019.1   SGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDEIAELPLSMQVKLLR   254
consensus                                   !!*!!!*!!*!*!****! !*!!***!!!!!!*!!!!!!*!!!!!!!!!!!!**!!!!!***!*!!*!!!!!*!*!!**!!!!!!!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1   AIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIPLLAERILKRLAGDTGLPAAR   334
NTDB id 85787 IOP84 RS01330 WP 414632198.1  AVQEKRIRPVGSDTEIDVDFRVISASHQDLDALVQQGKFRQDLFFRIHVMDLVLPPLRERGQDILLLAEHFIQKICQEWEIPAKK   340
NTDB id 1045 HON27 RS16330 WP 168727019.1   AVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVLLLANHFIQKICMEWETPPKQ   339
consensus                                   !*!!!**!*!!***!**!!*!***!*!*!!***! *!*!!!!!**!**!**!*!!!!!!**!**!!!******** ****!***

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1   LTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGA....S.............QEGAASLSEIDNLEDYL   402
NTDB id 85787 IOP84 RS01330 WP 414632198.1  LTERSKEFLLEQYYPGNVRELRNIIERAIILSDEDKIDLQHLQTAPLRHMAPVLSETANLAEPTSSSDQIIIPKKLPEEGLELYL   425
NTDB id 1045 HON27 RS16330 WP 168727019.1   LTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQSI.QTTVAAPQAVKKLPSEGLERYL   423
consensus                                   !!* * **!*** *!!!!!!!*!**!!!**!**** !** *!  !****     * **      **  *  * **** **!! !!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1   EDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
NTDB id 85787 IOP84 RS01330 WP 414632198.1  EKIEKEILLNALNLTHWNRTLAAKKLGMSFRSLRYRLKKFGLDTEEEE..   473
NTDB id 1045 HON27 RS16330 WP 168727019.1   ENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
consensus                                   ! !!*****!!**!*!!!!*!!**!!**!!!!*!!!!!!*!*!** *
```

X non conserved

X similar

X ≥50% conserved