```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1       .MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTP   79
NTDB id 1091965 ACMDB8 RS23795 WP 056728679.1  MNTRPRQKVLIVDDEPDIRELLEITLGRMNLETFNARNVGEAQSLLKRETFDLCLTDMQLPDGTGLELVQHIQQRHPQVQ   80
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ...MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTP   77
consensus                                           ****!*!!!!!*!***!***!!*!! **!  !**! *!* !* ** *!*!!!!*!!!!*!!*!!****!**!***

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1       IAVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTTENALENKLLIGRSLPIQQLRIAIKKIAR   159
NTDB id 1091965 ACMDB8 RS23795 WP 056728679.1  VAMITAYDSLENAINVLKAGAFDFLTKPVDLARLRELVTNALLVP......AHGVGIERRLLGDSLPMRNLRKHITKLAS   154
NTDB id 1473 PAKAF RS24000 WP 003094694.1      VAMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNP...EAEEAPVDNRLLGESPPMRALRNQIGKLAR   154
consensus                                      *!**!!!**** !!**!!!!!!!!**!!!***!**!*  !! *      ** * ****!*!*!*!***!!  ! !*!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1       SQAPVFVTGESGTGKELVARLIHDQSPRAHQPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLD   239
NTDB id 1091965 ACMDB8 RS23795 WP 056728679.1  SHATVYISGESGSGKELVARLIHDQSPRAHQPFIAINCAAIPSELLESEFFGHRKGSFSGAIEDKPGLFQTAHSGTLLLD   234
NTDB id 1473 PAKAF RS24000 WP 003094694.1      SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD   234
consensus                                      !*!*!***!!!!*!!!*!*!*!*****!  * !!***!!*!!!*!!*!!!*!!!*!!!*!!**!!*!!***!**!*!*!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1       EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL   319
NTDB id 1091965 ACMDB8 RS23795 WP 056728679.1  EVADLPLAMQVKLLRAIQEKSVRSVGGQQEVAVDVRILCATHKDLGAEVAAGRFRHDLYYRLNVIELRVPPLRERRDDIE   314
NTDB id 1473 PAKAF RS24000 WP 003094694.1      EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP   314
consensus                                      !*!*!!**!!!!!!!!!*!!!  *!  !!**!!**!!*!***!*!*!!***!**!*!!*!!**!**!**!**!!!!!!**!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1       LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQ   399
NTDB id 1091965 ACMDB8 RS23795 WP 056728679.1  MLASHILKRLAADTAQPAARLHPQALDALKSYRFPGNVRELENMLERAHTLCENKQIEAGDLRLAEGNCGAE........   386
NTDB id 1473 PAKAF RS24000 WP 003094694.1      LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ........   386
consensus                                      *!! ********** !***!*  ! * !*****!!!!!!!!*!!*!!! !!*!* *!*  *!**!** **

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1       SIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 1091965 ACMDB8 RS23795 WP 056728679.1  ........VGVPDLTRIDNLEAYLENVERQLLLQALEETRWNRTAAAQRLNLSFRSMRYRLKKLGLD.......   445
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ........EGAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                        **   ** ***!! !!!**!* ****!!**!*!!!!*!!**!***!!!*!!!!!!*!*!
```

X non conserved

X similar

X ≥50% conserved