```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
NTDB id 1121771 EL332 RS14125 WP 124325552.1  .MSPRQKVLIVDDDPGVREYLEISLGRMQRHTRSARTLGEARHWLARESFDLCLSDLHLPDGTGLELLEHIQRRRLRMPL   79
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV   78
consensus                                         ****!*!!!***********!*!! * !**!* * *!* ***** *!*!!*!* !!!!*!!*!* ***** ***!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTTENALENKLLIGRSLPIQQLRIAIKKIARS  160
NTDB id 1121771 EL332 RS14125 WP 124325552.1  AILSACARQETAVQALKAGAIDFLSKPVALARLRELLNSALPGSTP......APPATGPLLGDSAAMHKLRGQIGKLAQS  153
NTDB id 1473 PAKAF RS24000 WP 003094694.1     AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPE...AEEAPVDNRLLGESPPMRALRNQIGKLARS  155
consensus                                     !***!** ***!**!!!!!!*!!**!!! ***!**!***!!    **    * **    !*!*! **  !! *!*!*!*!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      QAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDE  240
NTDB id 1121771 EL332 RS14125 WP 124325552.1  QASVYISGESGSGKELVARAIHDQGPRASHAFVPVNCGAIPPELMESEFFGHRKGSFSGAIEDKPGLFQAAHGGTLFLDE  233
NTDB id 1473 PAKAF RS24000 WP 003094694.1     QAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDE  235
consensus                                     !!*!***!!!!*!!!*!!***!****! * *!***!!!!!!*!!!!!!*!!!!*!!!!*!!**!!*!!***!*!!*!!!!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      IAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVLL  320
NTDB id 1121771 EL332 RS14125 WP 124325552.1  VADLPLAMQVKLLRALQEKAVRCVGGQQEVQVDVRILCATHKALQAEVHAGRFRQDLYYRLNVIELPVPPLRARKDDIEP  313
NTDB id 1473 PAKAF RS24000 WP 003094694.1     VADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIPL  315
consensus                                     *!*!!**!!!!!!!!*!!!**! !!**!!* !!*!***!*!**! **! *!*!!!!!**!**!**! *!!!!*!**!* *

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      LANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQS  400
NTDB id 1121771 EL332 RS14125 WP 124325552.1  LATAILERLAQGDGQQLARLQPSALLALQGYDFPGNVRELENLLERAHTLCENRRIEARDLRLTSHSAHPA.........  384
NTDB id 1473 PAKAF RS24000 WP 003094694.1     LAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ.........  386
consensus                                     !!  ** *** * * * **!*  !   ! ** !!!!!!!!*!**!!! !!*!*  !*  *!***   *

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      IQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 1121771 EL332 RS14125 WP 124325552.1  ....I....APGAAQVIDLEDHLQEIERRLILQALEHTRWNRTAAAQRLSLSFRSMRYRLKKLGLD.......   442
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ....E...GAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                         *     !     ** !!**!**!!*****!!* !*!!!!*!!**!***!!!*!!!!!!*!*!
```

X non conserved

X similar

X ≥50% conserved