```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   ....................MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLD   66
NTDB id 123552 FE36 RS14090 WP 178385942.1 MRRAPLDNCRPSSRWAIVRSMSEPKSALVVDDERDIRELLVLTLSRMGLRISTAANLAEARELLANNPYDLCLTDMRLPDGNGIE   85
NTDB id 1473 PAKAF RS24000 WP 003094694.1  ....................MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLD   64
consensus                                                       *!*!!!! !***!* *!!*!!**** *! ** *!**!*** **!*!!!!**!!!!*!**

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   LVKHVSQNYPNTPIAVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTTE.NALENKLLIGRSLPIQQL   150
NTDB id 123552 FE36 RS14090 WP 178385942.1 LVTEIARQYPQTPVAMITAFGSMDLAVEALKAGAFDFVSKPVDIGVLRGLVKHALELNNHDRPAPPPPPEQASRLLGDSSAMESL   170
NTDB id 1473 PAKAF RS24000 WP 003094694.1  LVQYIQQRHPQTPVAMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEAP....VDNRLLGESPPMRAL   145
consensus                                   !!  * ***!*!!*!**!!*!**!*!* !!!!!!!!!**!!!*** !* !*  !! *** * *  *       *!*!*! **  !

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   RIAIKKIARSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGS   235
NTDB id 123552 FE36 RS14090 WP 178385942.1 RATIGKVARSQAPVYIVGESGVGKELVARTIHEQGARAAGPFVPVNCGAIPAELMESEFFGHKKGSFTGAHADKPGLFQAAHGGT   255
NTDB id 1473 PAKAF RS24000 WP 003094694.1  RNQIGKLARSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGT   230
consensus                                   !  !!*!*!!!!!!!***!!!!*!!!!*!!***!*** ! **!!***!!!!!!*!!!!!!*!!!!!!!!!!!  !!*!!***!*!!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   LFLDEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVLL   320
NTDB id 123552 FE36 RS14090 WP 178385942.1 LFLDEVAELPLQMQVKLLRAIQEKSVRPVGASGETLVDVRILSATHRDLGELVSDGRFRHDLYYRINVIELRVPPLRERGGDLPQ   340
NTDB id 1473 PAKAF RS24000 WP 003094694.1  LFLDEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIPL   315
consensus                                   !!!!!*!*!!* !!!!!!!!*!!! *!*!!* *!* !!*!***!*!*!!* *!  !*!!*!!**!**!**!**!!!!!!**!***

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   LANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQSIQTTV   405
NTDB id 123552 FE36 RS14090 WP 178385942.1 LAAAIIARLAHSHGRPIPLLTQSALDALDHYGFPGNVRELENILERALALAEDDQISATDLRLPAHGGHRL...AATPG..NAAV   420
NTDB id 1473 PAKAF RS24000 WP 003094694.1  LAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ...EGAA.......   390
consensus                                   !!  ** *** * * !   !!  ! * ! ** !!!!!!!!*!**!!!**! !!**!  **!***   *      ****   *  *

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   AAPQAV..KKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 123552 FE36 RS14090 WP 178385942.1 EPREAVVDIDPASAALPSYIEQLERAAIQKALEENRWNKTKTAAQLGITFRALRYKLKKLGME.......   483
NTDB id 1473 PAKAF RS24000 WP 003094694.1  ....SL....SEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                      **       ***!* !*!**!* ****!!****!!*! *! *!!*!!!**!!*!!!!*!**
```

X non conserved

X similar

X ≥50% conserved