```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
NTDB id 1036166 ACA165 RS16375 WP 033013168.1  .MSEPKSALVVDDERDIRELLVLTLSRMGLRISTAANLAEARELLANNPYDLCLTDMRLPDGNGIELVTEIARQYPQTPV   79
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV   78
consensus                                              *!*!!!! !***!* *!!*!!*** *! ** *!**!*** **!*!!!!**!!!!*!**!! * ***!*!!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTTE.NALENKLLIGRSLPIQQLRIAIKKIAR  159
NTDB id 1036166 ACA165 RS16375 WP 033013168.1  AMITAFGSMDLAVEALKAGAFDFVSKPVDIGVLRGLVKHALELNNHDRPAPPPPEQASRLLGDSSAMESLRATIGKVAR  159
NTDB id 1473 PAKAF RS24000 WP 003094694.1      AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEAP....VDNRLLGESPPMRALRNQIGKLAR  154
consensus                                      !**!!*!**!*!* !!!!!!!!!**!!!*** !* !*  !! *** * *  *        *!*!*! **  !!  !*!*!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      SQAPVFVTGESGTGKELVARLIHEQGRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLD  239
NTDB id 1036166 ACA165 RS16375 WP 033013168.1  SQAPIYIVGESGVGKELVARTIHEQGARAAGPFVPVNCGAIPAELMESEFFGHKKGSFTGAHADKPGLFQAAHGGTLFLD  239
NTDB id 1473 PAKAF RS24000 WP 003094694.1      SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD  234
consensus                                      !!!!***!!!!*!!!*!!***!*** ! **!!***!!!!!!*!!!!!!*!!!!!!!!!!  !!*!!***!*!!*!!!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL  319
NTDB id 1036166 ACA165 RS16375 WP 033013168.1  EVAELPLQMQVKLLRAIQEKSVRPVGASGETLVDVRILSATHKDLGGDLVSDGRFRHDLYYRINVIELRVPPLRERGGDLP  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 1036166 ACA165 RS16375 WP 033013168.1  QLAAAIIARLAHSHGRTIPLLTQSALDALDHYGFPGNVRELENILERALALAEDDQISATDLRLPAHGGHR...LAATPG  396
NTDB id 1473 PAKAF RS24000 WP 003094694.1      LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGAS...QEGAA.  390
consensus                                      *!!  ** *** * * *   !!  ! * ! ** !!!!!!!!*!**!!!**! !!**!  **!***   *      ****

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      SIQTTVAAPQAV..KKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV  473
NTDB id 1036166 ACA165 RS16375 WP 033013168.1  SA..AVEPREAVVDIDPASAALPSYIEQLERAAIQKALEENRWNKTKTAAQLGITFRALRYKLKKLGME.......  463
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ..........SL....SEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......  445
consensus                                      *    *    **       ***!* !*!**!* ****!!****!!*! *! *!!*!!!**!!*!!!*!**
```

X non conserved

X similar

X ≥ 50% conserved