```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI    80
NTDB id 1132555 ACLQZY RS15500 WP 053045681.1 .MNEPKSALVVDDERDIRELLVLTLGRMGLRISTAANLAEARELLANNPYDLCLTDMRLPDGNGIELVTEIAKHYPQTPV    79
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV    78
consensus                                            *!*!!!! !***!* *!!*!!*** *! ** *!**!*** **!*!!!!**!!!!*!**!! * * *!*!!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEH..DTTENALENKLLIGRSLPIQQLRIAIKKIA   158
NTDB id 1132555 ACLQZY RS15500 WP 053045681.1 AMITAFGSMDLAVEALKAGAFDFVSKPVDISVLRGLVKHALELNNRDRPAPLAPPPEQASRLLGDSAAMEGLRATIGKVA   159
NTDB id 1473 PAKAF RS24000 WP 003094694.1     AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEA.....EEAPVDNRLLGESPPMRALRNQIGKLA   153
consensus                                      !**!!*!**!*!* !!!!!!!!!**!!!**  !* !*  !! *** *      * *    *!*!*! ** *!!  !*!*!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      RSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFL   238
NTDB id 1132555 ACLQZY RS15500 WP 053045681.1 RSQAPVYIVGESGVGKELVARTIHEQGARAAGPFVPVNCGAIPAELMESEFFGHKKGSFTGAHADKPGLFQAAHGGTLFL   239
NTDB id 1473 PAKAF RS24000 WP 003094694.1     RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFL   233
consensus                                      !!!!!!***!!!!*!!!*!!***!*** ! **!!***!!!!!!*!!!!!!*!!!!!!!!!!  !!*!!***!*!!*!!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      DEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDV   318
NTDB id 1132555 ACLQZY RS15500 WP 053045681.1 DEVAELPLQMQVKLLRAIQEKSVRPVGASSESLVDVRILSATHKNLGDLVSDGRFRHDLYYRINVIELRVPPLRERGGDL   319
NTDB id 1473 PAKAF RS24000 WP 003094694.1     DEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI   313
consensus                                      !!*!*!!* !!!!!!!!!*!!! *!*!!* *!* !!*!***!*!**!* *!  !*!!*!!**!**!**!**!!!!!!**!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAA   398
NTDB id 1132555 ACLQZY RS15500 WP 053045681.1 PQLAAAIIARLAHSHGRPIPLLTQSALDALDQYGFPGNVRELENILERALALAEDDQISATDLRLPAHGGHR...LAATP   396
NTDB id 1473 PAKAF RS24000 WP 003094694.1     PLLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGAS...QEGAA   390
consensus                                      **!!  ** *** * * !   !!  ! * ! ** !!!!!!!!*!**!!!**! !!**!  **!***   *      ****

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      QSIQTTVAAPQAV..KKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 1132555 ACLQZY RS15500 WP 053045681.1 GSA..AVEPREAVVDIDPASAALPSYIEQLERAAIQKALEENRWNKTKTAAQLGITFRALRYKLKKLGME.......   464
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ...........SL....SEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                       *    *    **       ***!* !*!**!* ****!!****!!*! *! *!!*!!!**!!*!!!*!**
```

X non conserved

X similar

X ≥50% conserved