```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI    80
NTDB id 419706 GSF17 RS26665 WP 162096135.1  .MSPRQKVLIVDDDPGVREYLEISLGRMQRHTRSARTLGEARHWLAREGFDLCLSDLHLPDGTGLELLEHIQHHRLRMPL    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 419706 GSF17 RS26665 WP 162096135.1  AILSTCPHQETAVQALKAGAIDFLSKPVALARLRELLNGALPGSTP......ANPATGPLLGDSTAMHKLRVQIDKLAQS   153
NTDB id 1473 PAKAF RS24000 WP 003094694.1    AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEA...EEAPVDNRLLGESPPMRALRNQIGKLARS   155
consensus                                    !****** ***!**!!!!!!*!!**!!! ***!**!** !!     **    * **     !*!*! **   !!**! !*!*!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     QAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDE   240
NTDB id 419706 GSF17 RS26665 WP 162096135.1  QASVYISGESGSGKELVARAIHDQGPRASQGFVPINCGAIPPELMESEFFGHRKGSFSGAIEDKPGLFQAAHGGTLFLDE   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 419706 GSF17 RS26665 WP 162096135.1  VADLPLAMQVKLLRALQEKAVRCVGGQQEVQVDVRILCATHKTLQAEVNAGRFRQDLYYRLNVIELAVPPLRARKADIEP   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 419706 GSF17 RS26665 WP 162096135.1  LATAILERLAQGNGQQLARLQPGALLALQGYDFPGNVRELENLLERAHTLCENRQIEARDLQLTPNG.AHPA........   384
NTDB id 1473 PAKAF RS24000 WP 003094694.1    LAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQE........   387
consensus                                    !!  ** *** * * * **!* *!   ! ** !!!!!!!!*!**!!! !!*!* *!*  *! ***  **

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     IQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 419706 GSF17 RS26665 WP 162096135.1  ........IAPGPAQVIDLEGYLQEVERRLILQALEHTRWNRTAAAQRLSLSFRSMRYRLKKLGLD.......   442
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ........GAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                            !     ** !! !!***!*****!!* !*!!!!*!!**!***!!!*!!!!!!*!*!
```

X non conserved

X similar

X ≥ 50% conserved