```
logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1    MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI    80
NTDB id 280078 C4K05 RS27185 WP 038635209.1 .MSPRQKVLIVDDDPGIREYLEISLGRMQRHTRSARTLGEARHWLAREGFDLCLSDLHLPDGTGLELLEHIQHHRLRMPL    79
NTDB id 1473 PAKAF RS24000 WP 003094694.1   ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV    78
consensus                                       ****!*!!!***********!*!! * !**!* * *!* ***** *!*!!*!* !!!!*!!*!* ****  ***!*

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1    AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTTENALENKLLIGRSLPIQQLRIAIKKIARS   160
NTDB id 280078 C4K05 RS27185 WP 038635209.1 AILSTCARQETAVRVLKAGAIDFLSKPVALARLRELLNGPLPESTP......ANPATGPLLGNSTAMHKLRGQIHKLAQS   153
NTDB id 1473 PAKAF RS24000 WP 003094694.1   AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEA...EEAPVDNRLLGESPPMRALRNQIGKLARS   155
consensus                                   !****** ***!* *!!!!!*!!**!!! ***!**!** *!     **    * **     !*! ! **  !! *! !*!*!

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1    QAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDE   240
NTDB id 280078 C4K05 RS27185 WP 038635209.1 QASVYISGESGSGKELAARAIHDQGPRASQGFVPINCGAIPPELMESEFFGHRKGSFSGAVEDKPGLFQAAHGGTLFLDE   233
NTDB id 1473 PAKAF RS24000 WP 003094694.1   QAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDE   235
consensus                                   !!*!***!!!!*!!!**!***!****! * *!***!!!!!!*!!!!!!*!!!*!!!!*!!**!!*!!***!*!!*!!!!!

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1    IAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVLL   320
NTDB id 280078 C4K05 RS27185 WP 038635209.1 VADLPLAMQVKLLRALQEKAVRCVGGQQEVQVDVRILCATHKTLQAEVHAGRFRQDLYYRLNVIELAVPPLRARKADIEP   313
NTDB id 1473 PAKAF RS24000 WP 003094694.1   VADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIPL   315
consensus                                   *!*!!**!!!!!!!!*!!!**! !!**!!* !!*!***!*!**! **! *!*!!!!!**!**!**! *!!!!*!**!* *

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1    LANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQS   400
NTDB id 280078 C4K05 RS27185 WP 038635209.1 LATAILERLAQGNGQQLARLQPGALLALQGYDFPGNVRELENLLERAHTLCENRQIEARDLQLTPNG.AHPA........   384
NTDB id 1473 PAKAF RS24000 WP 003094694.1   LAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQE........   387
consensus                                   !!  ** *** * * * **!* *!   ! ** !!!!!!!!*!**!!! !!*!* *!*  *! ***  **

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1    IQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 280078 C4K05 RS27185 WP 038635209.1 ........IAPGPAQVIDLEGYLQEVERRLILQALEHTRWNRTAAAQRLSLSFRSMRYRLKKLGLD.......   442
NTDB id 1473 PAKAF RS24000 WP 003094694.1   ........GAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                           !     ** !! !!***!*****!!* !*!!!!*!!**!***!!!*!!!!!!*!*!
```

X non conserved

X similar

X ≥ 50% conserved