```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI    80
NTDB id 126142 AMD11 RS16865 WP 015463522.1  .MNEPKSALVVDDERDIRELLVLTLGRMGLRISTAANLAEARELLANNPYDLCLTDMRLPDGNGIELVTEIAKHYPQTPV    79
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV    78
consensus                                           *!*!!!! !***!* *!!*!!*** *! ** *!**!*** **!*!!!!**!!!!*!**!!  * * *!*!!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT..TENALENKLLIGRSLPIQQLRIAIKKIA   158
NTDB id 126142 AMD11 RS16865 WP 015463522.1  AMITAFGSMDLAVEALKAGAFDFVSKPVDIGVLRGLVKHALELNNRDRPAPPPPPPEQASRLLGDSSAMEILRATISKVA   159
NTDB id 1473 PAKAF RS24000 WP 003094694.1    AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEA.....PVDNRLLGESPPMRALRNQIGKLA   153
consensus                                    !**!!*!**!*!* !!!!!!!!!**!!!*** !* !*  !! *** * *           *!*!*! **  !!  ! !*!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     RSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFL   238
NTDB id 126142 AMD11 RS16865 WP 015463522.1  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 126142 AMD11 RS16865 WP 015463522.1  DEVAELPLQMQVKLLRAIQEKSVRPVGASSESLVDVRILSATHKDLGDLVSDGRFRHDLYYRINVIELRVPPLRERGGDL   319
NTDB id 1473 PAKAF RS24000 WP 003094694.1    DEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI   313
consensus                                    !!*!*!!* !!!!!!!!*!!! *!*!!* *!* !!*!***!*!*!!* *!  !*!!*!!**!**!**!**!!!!!!**!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRAN.ISNPFASA   397
NTDB id 126142 AMD11 RS16865 WP 015463522.1  PQLAAAIIARLAHSHGRPIPLLTQSALDALNHYGFPGNVRELGNILERALALAEDDQISATDLRLPAHGGHRLAAPPGGA   399
NTDB id 1473 PAKAF RS24000 WP 003094694.1    PLLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQE......   387
consensus                                    **!!  ** *** * * !   !!  ! * ! ** !!!!!!!! !**!!!**! !!**!  **!***   *  *  * * *

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1     AQSIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 126142 AMD11 RS16865 WP 015463522.1  AAE....PREAVVDIDPASAALPSYIEQLERAAIQKALEENRWNKTKTAAQLGITFRALRYKLKKLGME.......   464
NTDB id 1473 PAKAF RS24000 WP 003094694.1    .......GAASLS....EIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                    *       ** *       ***!* !*!**!* ****!!****!!*! *! *!!*!!!**!!*!!!*!**
```

X non conserved

X similar

X ≥ 50% conserved