```
logo

NTDB id 1045 HON27 RS16330 WP 168727019.1   MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPIAVLTA   85
NTDB id 72623 M2494 RS15720 WP 003381273.1  .MSPRQKILIVDDEPDIRELLEITLGRMKLDTRSARNVAEAHDWLAREPFDMCLTDMRLPDGNGLELVQHIQHGYPHVPVAMITA   84
NTDB id 1473 PAKAF RS24000 WP 003094694.1  ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPVAMITA   83
consensus                                      ***!*!!!!*!***!***!!*!!***!**!**! *!*********!*!!!!**!!!!*!!*!!***** *!**!*!**!!

logo

NTDB id 1045 HON27 RS16330 WP 168727019.1   YGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDTTENALENKLLIGRSLPIQQLRIAIKKIARSQAPVFVTGES   170
NTDB id 72623 M2494 RS15720 WP 003381273.1  HGNLDTAIHALKAGAFDFVTKPVDLNRLRELVNSALSLPCA...TQPVRSIDSRLLGDSPPMRTLRNQIGKLARSQAPIYISGES   166
NTDB id 1473 PAKAF RS24000 WP 003094694.1  YGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNP...EAEEAPVDNRLLGESPPMRALRNQIGKLARSQAPVYISGES   165
consensus                                  *!**!*!! !!!!!!!!!**!!!** *!**!***!! *      * * * ** *!*!*!*!** !!**!*!*!!!!!!****!!!

logo

NTDB id 1045 HON27 RS16330 WP 168727019.1   GTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDEIAELPLSMQVKLLRA   255
NTDB id 72623 M2494 RS15720 WP 003381273.1  GSGKELVARLIHEQGPRINKPFVPVNCGAIPSELMESEFFGHRKGSFSGAHEDKPGLFQAAHNGTLFLDEVADLPLAMQVKLLRA   251
NTDB id 1473 PAKAF RS24000 WP 003094694.1  GSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDEVADLPMAMQVKLLRA   250
consensus                                  !*!!!*!!*!*!****!**!!***!!!!!!*!!!!!!*!!!*!!!!*!! *!!*!!***!**!*!!!!!*!*!!**!!!!!!!!

logo

NTDB id 1045 HON27 RS16330 WP 168727019.1   VQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVLLLANHFIQKICMEWETPPKQL   340
NTDB id 72623 M2494 RS15720 WP 003381273.1  IQEKSIRSVGGQQEQVVDVRILCATHKDLNVEVAAGRFRQDLYYRLNVIELRVPSLRERREDIDQIAASVLRRLAGNGAQPVARL   336
NTDB id 1473 PAKAF RS24000 WP 003094694.1  IQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIPLLAERILKRLAGDTGLPAARL   335
consensus                                  *!!! *! !!**!!* !!*!***!*!*!! **!**!*!!!!!**!**!**!**!*!!!!*!!* **!   ******** * ! **!

logo

NTDB id 1045 HON27 RS16330 WP 168727019.1   TEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQSIQTTVAAPQAVKKLPSEGLERYLEN   425
NTDB id 72623 M2494 RS15720 WP 003381273.1  HAQALETLKSYRFPGNVRELENMLERAYTLCENDEIHASDLRLAESASP................QAQQGANLADIDNLEDYLES   405
NTDB id 1473 PAKAF RS24000 WP 003094694.1  TGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGA................SQEGAASLSEIDNLEDYLED   404
consensus                                  ** ! * !***!!!!!!!!*!!*!!!*!!*!** !  **!**!*  *                 * *** * ****!!*!!!

logo

NTDB id 1045 HON27 RS16330 WP 168727019.1   IEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 72623 M2494 RS15720 WP 003381273.1  IERKLILQALEETRWNRTAAAERLSLSFRSLRYRLKKLGLD.......   446
NTDB id 1473 PAKAF RS24000 WP 003094694.1  IERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                  !!******!!**!*!!!!*!! *!***!!!*!!!!!!*!*!
```

X non conserved

X similar

X ≥50% conserved