```
logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1   MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
NTDB id 1003837 ABH008 RS18590 WP 347987105.1   ..MRMPVTLIVDDEPDIRELLEITLNRMQIKTFTAENLATAQQLLSTQSFDLCLTDMNLPDGDGLDLLEYINSTGLQLPV   78
NTDB id 1473 PAKAF RS24000 WP 003094694.1   ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV   78
consensus                                    *  ** !*!!!!*!***!***!!*!! **! *! **  !**!**   *!*!!!!**!!!!*!!!!* ****  ***!*

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1   AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT.TENALENKLLIGRSLPIQQLRIAIKKIAR   159
NTDB id 1003837 ABH008 RS18590 WP 347987105.1   AIITAYGSMDNAIKAMKKGAFDFVCKPVDLSTLRQLVNHALELSKPKSVDEKVERRIRHILLGDSEVMCAIRSKIHKVAR   158
NTDB id 1473 PAKAF RS24000 WP 003094694.1   AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEAPV....DNRLLGESPPMRALRNQIGKLAR   154
consensus                                   !**!!!!**! !! !*!*!!!!!*!!!**  !**!** !! * *** **  *      *!*!*! ** **!  ! !*!!

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1   SQAPVFVTGESGTGKELVARLIHEQSYRNKAPFVAINCGAIPTELMESELFGHKKGSFTGAIQDKQGLILSAHGGSLFLD   239
NTDB id 1003837 ABH008 RS18590 WP 347987105.1   NQAPVYISGESGSGKELVAKLIHEQSYRNKAPFVAINCGAIPAELMESEFFGHKKGSFTGAISDKQGLFQAANGGTLFLD   238
NTDB id 1473 PAKAF RS24000 WP 003094694.1   SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD   234
consensus                                   *!!!!***!!!!*!!!*!!*!*!*** ! **!!***!!!!!!*!!!!!!*!!!!!!!!!!!* !!!!!***! !!*!!!!

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1   EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL   319
NTDB id 1003837 ABH008 RS18590 WP 347987105.1   EVADLPLTLQVKLLRAIQEKKVRPVGEHAEIHVDIRLLSATHKDLGSMVQNGSFRQDLYYRINVIELNLPALRTRPADIP   318
NTDB id 1473 PAKAF RS24000 WP 003094694.1   EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP   314
consensus                                   !*!*!!***!!!!!!!*!!!**!*!!  *!* !!*!***!*!*!!* *! *!*!!!!!**!**!***! *!*!!*! *!**

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1   LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQ   399
NTDB id 1003837 ABH008 RS18590 WP 347987105.1   ELSKHLIVRLANRNGTPVPKLSANALQALKQYYFPGNVRELENILERAMALDEDGSLDLDDLNLPIGMNS..........   388
NTDB id 1473 PAKAF RS24000 WP 003094694.1   LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGA..........   384
consensus                                   *!* *** *** * **!  *!** !   !*** !!!!!!!!!*!**!!!**! !!***** *! ** * *

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1   SIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 1003837 ABH008 RS18590 WP 347987105.1   ......KA.AEDFDSGKMSLENYLEGIEKKAVTTALEENRWNKTATAKQLGLTFRSLRYRLKKLGLE.......   448
NTDB id 1473 PAKAF RS24000 WP 003094694.1   ......SQEGAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                          * **   *  * !! !!! !!******!!****!!*!**!**!!*!!!!*!!!!!!*!**
```

X non conserved

X similar

X ≥50% conserved