```
logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1     MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
NTDB id 1085702 ACLB90 RS05205 WP 411851926.1 .MNDNRSALVVDDERDIRELLVLTLGRMGLRISTAANLAEARELLASNPYDLCITDMRLPDGNGIELVTEIAQHYPRTPV   79
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV   78
consensus                                         *  *!*!!!! !***!* *!!*!!*** *! ** *!**!**  **!*!*!!**!!!!*!**!!  * ! *!*!!*

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1     AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT..TENALENKLLIGRSLPIQQLRIAIKKIA  158
NTDB id 1085702 ACLB90 RS05205 WP 411851926.1 AMITAFGSMDLAVEALKAGAFDFVSKPVDIAVLRGLVKHALELNNSERAAPPTLAPEQATRLLGESPAMDGLRATIAKVA  159
NTDB id 1473 PAKAF RS24000 WP 003094694.1    AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEAP.....VDNRLLGESPPMRALRNQIGKLA  153
consensus                                     !**!!*!**!*!* !!!!!!!!!**!!!*** !* !*  !! *** ! *  **       *!*!*!*** *!!  !*!*!

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1     RSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFL  238
NTDB id 1085702 ACLB90 RS05205 WP 411851926.1 RSQAPVYILGESGVGKELVARTIHDQSARAGGPFVPVNCGAIPSELMESEFFGHRKGSFSGAHADKPGLFQAAHGGTLFL  239
NTDB id 1473 PAKAF RS24000 WP 003094694.1    RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFL  233
consensus                                     !!!!!!***!!!!*!!!*!!***!*** ! **!!***!!!!!!*!!!!!!*!!!*!!!!*!!  !!*!!***!*!!*!!!

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1     DEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDV  318
NTDB id 1085702 ACLB90 RS05205 WP 411851926.1 DEVAELPLQMQVKLLRAIQEKSIRPVGAATEVAVDVRILSATHKDLGELVEDGRFRHDLYYRINVIELRVPPLRERRSDL  319
NTDB id 1473 PAKAF RS24000 WP 003094694.1    DEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI  313
consensus                                     !!*!*!!* !!!!!!!!*!!! *!*!!* *!**!!*!***!*!*!!* *!  !*!!*!!**!**!**!**!!!!!!**!*

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1     LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAA  398
NTDB id 1085702 ACLB90 RS05205 WP 411851926.1 PQLAASILARLARTHERPTPLLAPSALDALAQYHFPGNVRELENILERALALAEGDSIGASDLRLPAPGGHRMAGGAAVA  399
NTDB id 1473 PAKAF RS24000 WP 003094694.1    PLLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQEGAASLS  393
consensus                                     **!!  ** *** * * !   !*  ! * ! ***!!!!!!!!*!**!!!**! !***!  **!***   *    **!***

logo
NTDB id 1045 H0N27 RS16330 WP 168727019.1     QSIQTTVAAPQAVKKL..PSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV  473
NTDB id 1085702 ACLB90 RS05205 WP 411851926.1 HQ.......EEAVVDLPAGNGALPTYIEQMERTAIQRALEENRWNKTRTAAQLGITFRALRYKLKKLGMD.......  462
NTDB id 1473 PAKAF RS24000 WP 003094694.1    E..................IDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......  445
consensus                                                **  *    **!* !*!**!* ****!!****!!*! *! *!!*!!!**!!*!!!*!*!
```

X non conserved

X similar

X ≥ 50% conserved