```
logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ...MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTP   77
NTDB id 213364 BVG18 RS01280 WP 086044365.1  MNGEQQPLVLLVDDEEDLCTLMQMSLLRMGIRTHIAHRLEYAKKCLANHQYDACLTDLNLPDGNGLELLDWIGNLYPALP   80
NTDB id 1045 HON27 RS16330 WP 168727019.1    .MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTP   79
consensus                                     *******!*!!!!*!** !****!*!!**!**! *** !* ****  *!*!!!!**!!!!*!!*!* ** * *!**!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1     VAMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRN....PEAEEAPVDNRLLGESPPMRALRNQIGKLA  153
NTDB id 213364 BVG18 RS01280 WP 086044365.1  VAVLTAYGNMEIAIAALKAGAFDFVSKPINQKHLEQLLQKALNKPVDYSHNNPNDALEHKMLIGQSMPIQQLRITLQKIA  160
NTDB id 1045 HON27 RS16330 WP 168727019.1    IAVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQK.VEHDTTENALENKLLIGRSLPIQQLRIAIKKIA  158
consensus                                    *!**!!!!****!!*!!!!!!!!!**!!*** *!**!***!!**     *   **!** **!*! !*!***!!* * !*!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1     RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFL  233
NTDB id 213364 BVG18 RS01280 WP 086044365.1  RSQAPVFITGESGTGKEVVANLVHRLSNRNEGPFIAINCGAIPTELMESELFGHKKGSFTGAAQDKQGLIQSAHGGSLFL  240
NTDB id 1045 HON27 RS16330 WP 168727019.1    RSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFL  238
consensus                                    !!!!!!***!!!!*!!!*!!*!*!****! !*!!***!!!!!!*!!!!!!*!!!!!!!!!!! *!!!!!***!*!!*!!!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1     DEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI  313
NTDB id 213364 BVG18 RS01280 WP 086044365.1  DEIAELPLSMQVKLLRAVQEKRIRPLGSDTEIDVDFRVISATHQDLEALVQQGKFRQDLYFRIHVMDLTLPPLRERGQQDI  320
NTDB id 1045 HON27 RS16330 WP 168727019.1    DEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDV  318
consensus                                    !!*!*!!**!!!!!!!!*!!!**!**!***!**!!*!***!*!*!!***! *!*!!!!!**!**!**! *!!!!!!**!*

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1     PLLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGA...SQE...  387
NTDB id 213364 BVG18 RS01280 WP 086044365.1  LLLAEHFIQKICQEWGISNKKLTERSKEFLLGQYYPGNVRELRNIMERAITLSDEERIDLQHLQSAPLRQALNSPQEMNT  400
NTDB id 1045 HON27 RS16330 WP 168727019.1    LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAA  398
consensus                                    *!!!******** ***** **!!* * **!*** *!!!!!!!!*!**!!!*!!**** !** *!  !******  ***

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ...........GAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
NTDB id 213364 BVG18 RS01280 WP 086044365.1  LTSEIIATETLIAPKKLPEEGLELYLEKVEKEILLNALNLTHWNRTLAAKKLGMSFRSLRYRLKKFGLDTEEDE..   474
NTDB id 1045 HON27 RS16330 WP 168727019.1    QSIQ.TTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
consensus                                     *          ! **** **!! !!! *!*****!!**!*!!!!*!!**!!**!!!*!!!!!!*!*!** *
```

X non conserved

X similar

X ≥ 50% conserved