```
logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV   78
NTDB id 1051043 ACEWX4 RS01125 WP 171526345.1  ....................MQMTLARMGIQTHVAHRLEQARQLLSSHHYDACITDLNLPDGNGLQLVELIAQHFPQLPV   60
NTDB id 1045 HON27 RS16330 WP 168727019.1      MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI   80
consensus                                               ****** **  ****!!*!!** !**! ****!**!**  **!*!*!!**!!!!*!!*!!  * ! *!**!*

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1      AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPE....AEEAPVDNRLLGESPPMRALRNQIGKLAR  154
NTDB id 1051043 ACEWX4 RS01125 WP 171526345.1  AVLTAYGNMEIAIAALKAGAFDFVSKPINQKHLEQLLEKALNQPLFKAHSQEADQLEQRMLIGQSLPIQQLRTTLKKIAR  140
NTDB id 1045 HON27 RS16330 WP 168727019.1      AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVE.HDTTENALENKLLIGRSLPIQQLRIAIKKIAR  159
consensus                                      !**!!!!****!!*!!!!!!!!!**!!*** *!**!* *!!*     * *   ********!*! !*!***!!  **!*!!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1      SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD  234
NTDB id 1051043 ACEWX4 RS01125 WP 171526345.1  SQAPVFISGESGTGKEVVANLVHRLSNRSDGPFIAINCGAIPGDLMESEFFGHKKGSFTGAAQDKQGLIQSAHGGSLFLD  220
NTDB id 1045 HON27 RS16330 WP 168727019.1      SQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLD  239
consensus                                      !!!!!***!!!!*!!!*!!*!*!****!***!!***!!!!!!**!!!!!*!!!!!!!!!! *!!!!!***!*!!*!!!!

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1      EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP  314
NTDB id 1051043 ACEWX4 RS01125 WP 171526345.1  EIAELPLNMQVKLLRAVQEKRIRPVGSDTEIDVDFRIISASHQDLEALVQQGRFRQDLFFRIHVMDIVLPPLRERGQDIL  300
NTDB id 1045 HON27 RS16330 WP 168727019.1      EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL  319
consensus                                      !*!*!!* !!!!!!!!*!!!**!*!!***!**!!*!***!*!*!!***!  *!*!!!!!**!**!****!!!!!!**!**

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1      LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAP........GAS.  385
NTDB id 1051043 ACEWX4 RS01125 WP 171526345.1  LLAQHFIQKIAQEWDIHSKTLSERAQQFLLEQYYPGNVRELRNIIERAMTLSDDDVIDLPHLQTAPLRKMAPLAEPEADP  380
NTDB id 1045 HON27 RS16330 WP 168727019.1      LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISN..PFASA  397
consensus                                      !!!******* ***** * !** !* *!*** *!!!!!!!!*!**!!!*!!**!* !** *!  !***       * !*

logo
NTDB id 1473 PAKAF RS24000 WP 003094694.1      .........QEGAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
NTDB id 1051043 ACEWX4 RS01125 WP 171526345.1  A.TPVTADALPAAPRKLPEEGLELFLEKIEKEILLNALNLTHWNRTLAAKKLGMSFRSLRYRLKKFGLDTDE....   451
NTDB id 1045 HON27 RS16330 WP 168727019.1      AQSIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
consensus                                      * *  *  * **! **** **!! *!! !!*****!!**!*!!!!*!!**!!**!!!*!!!!!!*!*!**
```

X non conserved

X similar

X ≥ 50% conserved