```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI    80
NTDB id 303293 soil367 RS03670 WP 136547012.1  ..MTDATALVVDDEPDIRELLDITLTRMNIRCVTAANLKEARDLLAAQPFQLCLTDMNLPDGNGIDLVQWMQKAHPETPV    78
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV    78
consensus                                        **   *!*!!!!*!***!***!!*!! *** *! ****!**!**  ****!!!!**!!!!*!*!!!***** *!*!!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT.TENALENKLLIGRSLPIQQLRIAIKKIAR   159
NTDB id 303293 soil367 RS03670 WP 136547012.1  AVITAYGSMDTAVLALKAGAFDFVSKPVELGRLRELVENALRLTTPASGAAASDNDSDGLLLGESLEINQLRKQVRKVAR   158
NTDB id 1473 PAKAF RS24000 WP 003094694.1      AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEAP....VDNRLLGESPPMRALRNQIGKLAR   154
consensus                                      !**!!!!**!*!* !!!!!!!!!**!!!****!**!*  !!**  ** * *      * *!*!*!*****!! ***!*!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      SQAPVFVTGESGTGKELVARLIHMQGPRRDGPFVPVNCGAIPSELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLD   239
NTDB id 303293 soil367 RS03670 WP 136547012.1  SQAPVYISGESGSGKELVARMIHMQGPRRDGPFVPVNCGAIPSELMESEFFGHKKGSFTGATENKTGLFRAAQGGTLFLD   238
NTDB id 1473 PAKAF RS24000 WP 003094694.1      SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD   234
consensus                                      !!!!!***!!!!*!!!*!!***! ***! **!!***!!!!!!*!!!!!!*!!!!!!!!!!!***!*!!* *! !!*!!!!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVL   319
NTDB id 303293 soil367 RS03670 WP 136547012.1  EVADLPVSMQVKLLRAIQEKAVRAVGDHLEQAIDVRILSATHKDLPHLVKEGSFRQDLFYRINVIELKVPPLRAREDDIP   318
NTDB id 1473 PAKAF RS24000 WP 003094694.1      EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP   314
consensus                                      !*!*!!**!!!!!!!!!*!!!**!*!!  *!***!*!***!*!*!!  *!* !*!!!!!**!**!***!**!!!!*!  *!**

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQ   399
NTDB id 303293 soil367 RS03670 WP 136547012.1  LLTRHILAKLAQDYESPQAQLSAAGLDKLKSYSFPGNVRELENILERAFTLCDGDIIDADDLQLAANEEGSG........   390
NTDB id 1473 PAKAF RS24000 WP 003094694.1      LLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ........   386
consensus                                      !!* *** *** ****! **!**** **!*** !!!!!!!!!*!**!!!*!!**** !*  *! *!   ***

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1      SIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV   473
NTDB id 303293 soil367 RS03670 WP 136547012.1  ...G.....HSTTPDGRIDLENFLERIEREAIEKALEATGGNKTAAAKRLGISFRAMRYRLKKLGME.......   449
NTDB id 1473 PAKAF RS24000 WP 003094694.1      ...E.....GAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID.......   445
consensus                                        * *     * !! *!! !!******!!* ! *!*!*!!**!!**!!**!!!!!!*!**
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X non conserved

X similar

X $\geq$ 50% conserved