```
logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   .MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPIAVLT   84
NTDB id 140851 UC35 RS08515 WP 061498026.1  MSATSTAQVLVVDDEPDLRTLYELTLLREGYRVDAAGSVAEAWQQLEAKRFDAVITDMRLPDGQGLELLQRMSQQQRPERCIVMT   85
NTDB id 1473 PAKAF RS24000 WP 003094694.1  ...MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPVAMIT   82
consensus                                    * *   *!*!!!!*!** !***!!*!*****  !  ! *!****    *!***!!**!!!!*!!*!** **!* ********!

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   AYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT...........TENALENKLLIGRSLPIQQLRIAIKKI   157
NTDB id 140851 UC35 RS08515 WP 061498026.1  AYGSAENAVEALKAGAFDYLTKPVDLRQFRNVVASAIQEVTPARGRVAARTAAPAERPTGGDAALQRLVGESQAVRAVKERVAKV   170
NTDB id 1473 PAKAF RS24000 WP 003094694.1  AYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEE..............APVDNRLLGESPPMRALRNQIGKL   152
consensus                                   !!!*** !* !!!!!!!!***!!!**  ******!**    ** *           *  *   **!*!*! ******  **!*

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   ARSQAPVFVTGESGTGKELVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDEIA   242
NTDB id 140851 UC35 RS08515 WP 061498026.1  ARSMAPVLVRGESGTGKELVARAIHACSHRADAPFVAVNCSAIPEALLEAEFFGAKKGSYTGSAADREGYFQAARGGTLFLDEIG   255
NTDB id 1473 PAKAF RS24000 WP 003094694.1  ARSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDEVA   237
consensus                                   !!!*!!!***!!!!*!!!*!!***!  * ! **!!***!!*!!!**!*!*!*!!*!!!!*!!*  !**!****! !!*!!!!!**

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   ELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRERGEDVLLLANHFIQ   327
NTDB id 140851 UC35 RS08515 WP 061498026.1  DLPLPMQSKLLRAIQERQVRPLGSTQEDAVDVRIVSATHKDLVADVQAARFRQDLYYRLNVIEIVVPPLRERREDLPRLCEALLA   340
NTDB id 1473 PAKAF RS24000 WP 003094694.1  DLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIPLLAERILK   322
consensus                                   *!!* !!*!!!!!*!!* *!**!* !!**!!*!***!*!*!! **! ***!!!!!**!**!*****!!!!!!*!!***!** **

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   KICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQSIQTTVAAPQAVK   412
NTDB id 140851 UC35 RS08515 WP 061498026.1  RIAQDTGVPAPVLTPEVMAQLWAHPLGGNVRELENLLHRAVALSDGHEMH..........LDLEP.AAA..........PALAPE   404
NTDB id 1473 PAKAF RS24000 WP 003094694.1  RLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLR.....LADAP.GAS..........QEGAAS   391
consensus                                   ***  ****!*  !! **   ! *  **!!!!!!*!***!!**!***  *    *      * * * *!*            !

logo
NTDB id 1045 HON27 RS16330 WP 168727019.1   KLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV....   473
NTDB id 140851 UC35 RS08515 WP 061498026.1  PEMPNDLQAWLDQKERDVLVKALQDSGFNRTAAAQRLGLTLRQIRYRIARLQIPVPGGADEGDDA   469
NTDB id 1473 PAKAF RS24000 WP 003094694.1  LSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID...........   445
consensus                                       * !* *!***!******!!*** *!!!*!!**!!*!*!**!!!*******      *
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X non conserved

X similar

X ≥50% conserved