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logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1  ................MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKE   64
NTDB id 1045 HON27 RS16330 WP 168727019.1    .......MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQ   73
NTDB id 247165 CCZ27 RS14275 WP 096449213.1 MSVIERRNRPDSIDVLVVDDEEDIRELLELSLLRMGLACDAAGGVAEARERLAQRRYRLCLTDMRLPDGDGLELVEYIQG   80
NTDB id 1473 PAKAF RS24000 WP 003094694.1   .........MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQ   71
consensus                                                  ***!*!******!****!******* *** ***!***** * ****!*!**!!!**!**** ****

logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1  KSPDVPIVFMTAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKASKLKNDVDNKNQNYQGFIGSSQTMQAVYR  144
NTDB id 1045 HON27 RS16330 WP 168727019.1    NYPNTPIAVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQK.VEHDTTENALENKLLIGRSLPIQQLRI  152
NTDB id 247165 CCZ27 RS14275 WP 096449213.1 NLPGLPVAVITAYGSIETAIRALKLGAFDFVTKPVELKALRELVTHALKLE.....PRAAPLPPGRSLIGHSPAFEQLRA  155
NTDB id 1473 PAKAF RS24000 WP 003094694.1   RHPQTPVAMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLR....NPEAEEAPVDNRLLGESPPMRALRN  147
consensus                                   * !**!****!!*!****!* !***!!*!!**!!*** *!***** !***    * ** ** **     **! !**** **

logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1  TIDSAASSKASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAAD  224
NTDB id 1045 HON27 RS16330 WP 168727019.1    AIKKIARSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAH  232
NTDB id 247165 CCZ27 RS14275 WP 096449213.1 QIGKLARNQAPVFIRGESGTGKEVIARLIHGLGARAAGPFVPVNCGAISPDLMESELFGHRKGSFTGASSDKEGLFQAAR  235
NTDB id 1473 PAKAF RS24000 WP 003094694.1   QIGKLARSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAAS  227
consensus                                   *!***!***!*****!!!!*!!!**!***!**  !***!!***!!*!!***!*!!!*!!*!!!!*****!****!

logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1  GGTLFLDELCEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLR  304
NTDB id 1045 HON27 RS16330 WP 168727019.1    GGSLFLDEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLR  312
NTDB id 247165 CCZ27 RS14275 WP 096449213.1 GGTLFLDEVGELPLGMQVKLLRAIQERAVRPVGAHAEEPVDVRILSASHQDLSRLVADGKFRQDLYFRINVITLRVPPLR  315
NTDB id 1473 PAKAF RS24000 WP 003094694.1   GGTLFLDEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLR  307
consensus                                   !!*!!!!!*******!*!!!!**!******!!* *** !!*!***!***!* * !**!*!!*!!**!**!*!**!!!!

logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1  ARGDDVIEIAYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPP.LNQMSA.  382
NTDB id 1045 HON27 RS16330 WP 168727019.1    ERGEDVLLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISN  392
NTDB id 247165 CCZ27 RS14275 WP 096449213.1 ERAEDIPELAEHILARVAEREGGAPRRLSPDALAALRGHAFPGNVRELENLLERACALCEGETIGAADIDLQPADGLAPP  395
NTDB id 1473 PAKAF RS24000 WP 003094694.1   ERREDIPLLAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQE  387
consensus                                   *!**!** *!********* *** ****!***********  *!!!!!*!*!*******!*!  **!  * ** ***   ***

logo
NTDB id 1157 A1552VC RS03895 WP 001888250.1  PIN.......RALPLAHENKVSVHEIF..PLWMTEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEK  453
NTDB id 1045 HON27 RS16330 WP 168727019.1    PFASAAQSIQTTVAAPQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKKFGLDTETEQE  472
NTDB id 247165 CCZ27 RS14275 WP 096449213.1 PPE.............REAPVAEGGEESGDVSDDERQRILRALDETRWNRSAAARNLGMTLRQLRYRLQKWGLE......  456
NTDB id 1473 PAKAF RS24000 WP 003094694.1   G...............AASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID......  445
consensus                                   *           *      ***** * ** *****!******!******!***!!**!**********!  *****
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logo
                                                  VER
NTDB id 1157 A1552VC RS03895 WP 001888250.1  ER   455
NTDB id 1045 H0N27 RS16330 WP 168727019.1    V.   473
NTDB id 247165 CCZ27 RS14275 WP 096449213.1  ..   456
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ..   445
consensus
```

X non conserved
X similar
X $\geq$ 50% conserved