```
logo

NTDB id 161805 ASZ87 RS03825 WP 001888250.1   .......MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKSPDVPIVF   73
NTDB id 1157 A1552VC RS03895 WP 001888250.1   .......MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKSPDVPIVF   73
NTDB id 1473 PAKAF RS24000 WP 003094694.1     MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPVAM   80
consensus                                            *!*!******!****!*****!*********!*!***!***!!*!*!*!!!!**!*!*********!**!***

logo

NTDB id 161805 ASZ87 RS03825 WP 001888250.1   MTAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKASKLKNDVDNKNQNYQGFIGSSQTMQAVYRTIDSAASSK   153
NTDB id 1157 A1552VC RS03895 WP 001888250.1   MTAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKASKLKNDVDNKNQNYQGFIGSSQTMQAVYRTIDSAASSK   153
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRN....PEAEEAPVDNRLLGESPPMRALRNQIGKLARSQ   156
consensus                                     *!!*!!*!!!**!***!!*!!!*!!****!!!**!**!*!********************!*!**!*!****!***!*!*

logo

NTDB id 161805 ASZ87 RS03825 WP 001888250.1   ASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGGTLFLDEL   233
NTDB id 1157 A1552VC RS03895 WP 001888250.1   ASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGGTLFLDEL   233
NTDB id 1473 PAKAF RS24000 WP 003094694.1     APVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDEV   236
consensus                                     !***!*!!!!*!!!**!**!!****!***!!***!!*!!!**!*!!!*!!!*!!*!!!!****!!***!!*!!!!!!!!*

logo

NTDB id 161805 ASZ87 RS03825 WP 001888250.1   CEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLRARGDDVIEI   313
NTDB id 1157 A1552VC RS03895 WP 001888250.1   CEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLRARGDDVIEI   313
NTDB id 1473 PAKAF RS24000 WP 003094694.1     ADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIPLL   316
consensus                                     *******!*!!!!*!!******!!******!!!!**!!!**!***!!**!!!!*!!!!!!*!!*!**!!!!*!**!****

logo

NTDB id 161805 ASZ87 RS03825 WP 001888250.1   AYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQMSAPINRALPLAHE   393
NTDB id 1157 A1552VC RS03895 WP 001888250.1   AYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQMSAPINRALPLAHE   393
NTDB id 1473 PAKAF RS24000 WP 003094694.1     AERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDL....RLADAPGA.....SQE   387
consensus                                     !***!*******!****!!*****!****!**!!!!!*!*!*!*****!*!***!****!********!!*********!

logo

NTDB id 161805 ASZ87 RS03825 WP 001888250.1   NKVSVHEIFP..LWM..TEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER   455
NTDB id 1157 A1552VC RS03895 WP 001888250.1   NKVSVHEIFP..LWM..TEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER   455
NTDB id 1473 PAKAF RS24000 WP 003094694.1     GAASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID........   445
consensus                                     ***!**!!**   ***   *!***!*!!*!****!***!!**!**********!**************
```

X non conserved

X similar

X ≥ 50% conserved