```
logo
NTDB id 1253 GC085 RS04835 WP 011215094.1      ..MLKLLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKFTSKNV   78
NTDB id 217561 Mag101 RS01320 WP 077399711.1   MGMLPFLNKGPKAMLGLDISSTSVKLLELSRSGDKYRVESYAAEPLPPNAVVDKNINDVGAIAEAIRKVVRRSKTRLRQA   80
NTDB id 1010 ACIAD RS15195 WP 004923715.1      ..MLRLYRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANPQAINA   78
NTDB id 1054 ABD1 RS15870 WP 002014066.1       ..MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTHA   78
NTDB id 1084 FDQ49 RS11070 WP 004711654.1      ..MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTNA   78
consensus                                        !!****** ****!*!!!!**!!*!!*!*** ** !!*!**************!******!*** * ******** **

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1      ALAVPDSAVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAENVNTRVEAA   158
NTDB id 217561 Mag101 RS01320 WP 077399711.1   AVAVSGSAVITKTLDMPADLSDDALEAQIALEADQYIPYPLDEVNLDFEVQGPSEKGEGQVEVLLAACRSENVEQRISAL   160
NTDB id 1010 ACIAD RS15195 WP 004923715.1      AIAVPTSMVVHKIIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSEPLANPNRVSVLIAATRTENVDTRIEVL   158
NTDB id 1054 ABD1 RS15870 WP 002014066.1       AIAVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLANPNRVNVLLVATRTENVETRVEVL   158
NTDB id 1084 FDQ49 RS11070 WP 004711654.1      AIAVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLLNPNRVNVLLVATRTENVETRVEVL   158
consensus                                      !*!!**! !**!*********!***!*****!**!!!!*!*!!**!!!!!* * * ***** !!**!*!*!!!**!****

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1      HRAGLEPKVVDVESYAVERSVQQIAQELPASGQLKIVAIVDIGANYTHLFVLHGMRLIFSREEKFGGMQLVEAIAEHYHM   238
NTDB id 217561 Mag101 RS01320 WP 077399711.1   GEAELQPGVVDVEAYAIERAYTLLDNQFPAQ.EQLVVAVIDIGATMSALSVMVDGRTVYTREQLFGGRQLTDEIQRRYGL   239
NTDB id 1010 ACIAD RS15195 WP 004923715.1      ELAGLTPKVADVESYAMERAFSVFADTLPMG.VN.TVGILDIGHTMTTLSVMQKGKIIYTREQVFGGKQLTQEVQKRYGM   236
NTDB id 1054 ABD1 RS15870 WP 002014066.1       ELADLNPKLADVESYAVERAFSVFADSLPMG.AN.TIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGL   236
NTDB id 1084 FDQ49 RS11070 WP 004711654.1      ELADLNPKLADVESYAVERAFSVFADSLPMG.AN.TIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGL   236
consensus                                      **!*!*!***!!!*!!*!!********!** * *****!!!*****!*!** ******!!**!!!*!!* *** *!**

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1      NLEQAIALKNQ..GKLPEDYESAVLEPFKDMILLQIKRTLQFFYSTSQHGFVDHILLAGGMARQPGLAALIQEQLGVTTT   316
NTDB id 217561 Mag101 RS01320 WP 077399711.1   SAEEATLAKRQGGSGLPDDYYPEVLEPFRDAVVQQVMRSLQFFYSSTSYSDVDYILLGGGVAAMDGLAELVGEKLNKPTL   319
NTDB id 1010 ACIAD RS15195 WP 004923715.1      SYEEAGRAKKD..GSLPEDFTQEVFEPYLEALVQQAARSLQFFFSSSQYNEIDHILLAGGNANILGLSRLLQQKLGYRVT   314
NTDB id 1054 ABD1 RS15870 WP 002014066.1       SLEEASRAKKD..RSLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVT   314
NTDB id 1084 FDQ49 RS11070 WP 004711654.1      SLEEASRAKKD..RTLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVT   314
consensus                                      **!*!***!**   *!!*!** *!**!******!**!*!!!!*!*******!*!!!*!!*!***!!**!****!*****

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1      VANPLSHMSFGKKVNLDVINSDAPTLMVACGLALRHVE.   354
NTDB id 217561 Mag101 RS01320 WP 077399711.1   VANPFRDMSVASRVNRQALVSEAPSLMIAAGLAMREREF   358
NTDB id 1010 ACIAD RS15195 WP 004923715.1      IANPFLQMEFSPQVDIKKVENDAASLMVACGLALRSFDE   353
NTDB id 1054 ABD1 RS15870 WP 002014066.1       IANPFLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
NTDB id 1084 FDQ49 RS11070 WP 004711654.1      IANPFLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
consensus                                      *!!!***! ****!********! *!!*!*!!!*!***
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X non conserved
X similar
X $\geq$ 50% conserved