```
logo
NTDB id 1253 GC085 RS04835 WP 011215094.1     MLK..LLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKFTSKNV   78
NTDB id 172438 AZF00 RS04275 WP 008246192.1  MLDGLFGGQGSRSLLGIDISSSAVKLLELSRSGEKYRVESYAVMSLPSQVVVEKNIADVEQVGDVVRAVHSRSRSKLKRA   80
NTDB id 1010 ACIAD RS15195 WP 004923715.1    ML.RL.YRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANPQAINA   78
NTDB id 1054 ABD1 RS15870 WP 002014066.1     ML.RL.YRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTHA   78
NTDB id 1084 FDQ49 RS11070 WP 004711654.1    ML.RL.YRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTNA   78
consensus                                    !! ** **** ****!*!!!!**!!*!!*!*** ** !!*!**************!*****!**** * ******** **

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1     ALAVPDSAVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAENVNTRVEAA  158
NTDB id 172438 AZF00 RS04275 WP 008246192.1  AVAVPGSAIITKVLHMPAGLHENAMETQISLEADQYIPYPLDEVSLDFEVLGESETNPEMVDVMLVACRRDNVDTRVESL  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     HRAGLEPKVVDVESYAVERSVQQIAQELPASGQDKIVAIVDIGANYTHLFVLHGMRLIFSREEKFGGMQLVEAIAEHYHM  238
NTDB id 172438 AZF00 RS04275 WP 008246192.1  EIAGITPKVVDVEAYAIERSFDLIAQQLGC.DENTVVAIVDVGASMTSLSVIVNGETVYTRDQLFGGRQLTEEIQRRYGL  239
NTDB id 1010 ACIAD RS15195 WP 004923715.1    ELAGLTPKVADVESYAMERAFSVFADTLPM.GVNT.VGILDIGHTMTTLSVMQKGKIIYTREQVFGGKQLTQEVQKRYGM  236
NTDB id 1054 ABD1 RS15870 WP 002014066.1     ELADLNPKLADVESYAVERAFSVFADSLPM.GANT.IGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGL  236
NTDB id 1084 FDQ49 RS11070 WP 004711654.1    ELADLNPKLADVESYAVERAFSVFADSLPM.GANT.IGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGL  236
consensus                                    **!** !!**!!!*!!*!!*****!**!** * ** **!*!*!***!*!*!*********!***!!!*!!* *** *!**

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1     NLEQAIALKNQGKLPEDYESAVLEPFKDMILLQIKRTLQFFYSTSQHGFVDHILLAGGMARQPGLAALIQEQLGVTTIVA  318
NTDB id 172438 AZF00 RS04275 WP 008246192.1  TVEEAGLAKKQGGLSDDYDSEVLAPFREAVIQQVSRSLQFFYSASQYSGVDIILLAGGVAAMQGLVELVQERLGIDTVIA  319
NTDB id 1010 ACIAD RS15195 WP 004923715.1    SYEEAGRAKKDGSLPEDFTQEVFEPYLEALVQQAARSLQFFFSSSQYNEIDHILLAGGNANILGLSRLLQQKLGYRVTIA  316
NTDB id 1054 ABD1 RS15870 WP 002014066.1     SLEEASRAKKDRSLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIA  316
NTDB id 1084 FDQ49 RS11070 WP 004711654.1    SLEEASRAKKDRTLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIA  316
consensus                                    **!*! **!***!**!** *!**!*******!**!*!!!!*!*!!****!*!!!!!!*!***!!*!*!*!**!!*****!

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1     NPLSHMSFGKKVNLDVINSDAPTLMVACGLALRHVE.   354
NTDB id 172438 AZF00 RS04275 WP 008246192.1  NPFAAMSVAPGVDATKLTSDAPAMLIACGLALRSFD.   355
NTDB id 1010 ACIAD RS15195 WP 004923715.1    NPFLQMEFSPQVDIKKVENDAASLMVACGLALRSFDE   353
NTDB id 1054 ABD1 RS15870 WP 002014066.1     NPFLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
NTDB id 1084 FDQ49 RS11070 WP 004711654.1    NPFLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
consensus                                    !!***! ****!** ****!! ****!!!!!!!***
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X non conserved
X similar
X $\geq$ 50% conserved