```
logo
NTDB id 1253 GC085 RS04835 WP 011215094.1     MLKLLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKFTSKNVAL    80
NTDB id 315715 D3880 RS20505 WP 119895262.1   MLGLFNKKANTLLGIDISSTSVKLLELSRSGSRYKVEAYAVEPLPPNAVVEKNIAELEGVGQALTRVLVKAKTGVKTAVV    80
NTDB id 1010 ACIAD RS15195 WP 004923715.1     MLRLYRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANPQAINAAI    80
NTDB id 1054 ABD1 RS15870 WP 002014066.1      MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQITHAAI    80
NTDB id 1084 FDQ49 RS11070 WP 004711654.1     MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTNAAI    80
consensus                                     !!*!**** ****!*!!!!**!!*!!*!*** ** !!*!**************!*****!**** * ******** ****

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1     AVPDSAVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAENVNTRVEAAHR   160
NTDB id 315715 D3880 RS20505 WP 119895262.1   AVAGSAVITKTIEMDAGLSDDELENQLKIEADQYIPYPLEEVAIDFEVQGPSARNPERVDVLLAACRKENVEVREAALAL   160
NTDB id 1010 ACIAD RS15195 WP 004923715.1     AVPTSMVVHKIIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSEPLANPNRVSVLIAATRTENVDTRIEVLEL   160
NTDB id 1054 ABD1 RS15870 WP 002014066.1      AVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLANPNRVNVLLVATRTENVETRVEVLEL   160
NTDB id 1084 FDQ49 RS11070 WP 004711654.1     AVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLLNPNRVNVLLVATRTENVETRVEVLEL   160
consensus                                     !!**! !**!*********!*!*!******!**!!!*!**!***!!!!* * * ***** !!**!*!*!!!**!******

logo
AGLEPKVVDVESYAVERSVQQIAQELPASGQDKIVAIVDIGANYTHLFVLHGMRLIFSREEKFGGMQLVEAIAEHYHMNL   240
SGMTAKVVDVEAYALERAYGLLAPQFGNDHEELTVAVVDIGATMTTLSVLHNGRTIYTREQLFGGKQLTDEIQRRYGLSV   240
AGLTPKVADVESYAMERAFSVFADTLPMG..VNTVGILDIGHTMTTLSVMQKGKIIYTREQVFGGKQLTQEVQKRYGMSY   238
ADLNPKLADVESYAVERAFSVFADSLPMG..ANTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSL   238
ADLNPKLADVESYAVERAFSVFADSLPMG..ANTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSL   238
*** *!**!!!*!!*!!*****!******   ******!!!***!*!*!******!**!!**!!!*!!* *** *!****

logo
EQAIALKNQCKLPEDYESAVLEPFKDMILLQIKRTLQFFYSTSQHGFVDHILLAGGMARQPGLAALIQEQLGVTTTVANP   320
EEAGLAKKQCGLPDDYESEVLQPFKDAVVQQVSRSLQFFFAAGQFNDVDYILLAGGTASIPDLDRLIQQKIGTQTLVANP   320
EEAGRAKKDGSLPEDFTQEVFEPYLEALVQQAARSLQFFFSSSQYNEIDHILLAGGNANILGLSRLLQQKLGYRVTIANP   318
EEASRAKKDRSLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANP   318
EEASRAKKDRTLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANP   318
!*! **!***!!*!** *!**!*******!**!*!!!!****!****!*!!!!!!*!****!**!*!***!*****!!!

logo
LSHMSFGKKVNLDVINSDAPTLMVACGLALRHVE.   354
FADMALSSKVNAGALASDAPALMIACGLAMRSFD.   354
FLQMEFSPQVDIKKVENDAASLMVACGLALRSFDE   353
FLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
FLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
***!*****!** ****!! *!!*!!!!!*!***
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X non conserved
X similar
X $\geq$ 50% conserved