```
logo
NTDB id 1253 GC085 RS04835 WP 011215094.1          MLKLLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKFTS   75
NTDB id 227739 XcfCFBP6166P RS06310 WP 011348458.1 .MGLLPKSQSPLIGVDISSTAVKLLQLSRSGNRFRVEHYAVEPLPPNAVVEKNIVEVEAVGEAIRRAINRSGSKA   74
NTDB id 1010 ACIAD RS15195 WP 004923715.1          MLRLYRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANPQA   75
NTDB id 1084 FDQ49 RS11070 WP 004711654.1          MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQT   75
NTDB id 1054 ABD1 RS15870 WP 002014066.1           MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQT   75
consensus                                          ***!*********!*!!!!**!!*!**!*** ** !!*!**************!*****!**** **********

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1          KNVALAVPDSAVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAEN   150
NTDB id 227739 XcfCFBP6166P RS06310 WP 011348458.1 KNAAAAVAGSAVITKLIPMPADLDDSDLEAQVELEATNYIPYPIEEVNLDFEVLGPMPNSPDMVQVLLAASRSEN   149
NTDB id 1010 ACIAD RS15195 WP 004923715.1          INAAIAVPTSMVVHKIIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSEPLANPNRVSVLIAATRTEN   150
NTDB id 1084 FDQ49 RS11070 WP 004711654.1          TNAAIAVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLLNPNRVNVLLVATRTEN   150
NTDB id 1054 ABD1 RS15870 WP 002014066.1           THAAIAVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLANPNRVNVLLVATRTEN   150
consensus                                           **!*!!**! !**!*********!***!******!**!!!*!**!**!!!!!* * * *****!!**!*!*!!

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1          VNTRVEAAHRAGLEPKVVDVESYAVERSVQQIAQELPASGQDKIVAIVDIGANYTHLFVLHGMRLIFSREEKFGG   225
NTDB id 227739 XcfCFBP6166P RS06310 WP 011348458.1 VELRQSALELGGLTAKVMDVEAFAVENAFALVASELPV.AADAVVALVDIGATMTTLSVLRSGRSLYSREQVFGG   223
NTDB id 1010 ACIAD RS15195 WP 004923715.1          VDTRIEVLELAGLTPKVADVESYAMERAFSVFADTLPM.GVNT.VGILDIGHTMTTLSVMQKGKIIYTREQVFGG   223
NTDB id 1084 FDQ49 RS11070 WP 004711654.1          VETRVEVLELADLNPKLADVESYAVERAFSVFADSLPM.GANT.IGILDIGHTMTTLSVMQNGKIIYTREQVFGG   223
NTDB id 1054 ABD1 RS15870 WP 002014066.1           VETRVEVLELADLNPKLADVESYAVERAFSVFADSLPM.GANT.IGILDIGHTMTTLSVMQNGKIIYTREQVFGG   223
consensus                                          !**!********! *!**!!!**!*!******!**!!* **** ****!!!***!*!*!** ******!!**!!!

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1          MQLVEAIAEHYHMNLEQAIALKNQGKLPEDYESAVLEPFKDMILLQIKRTLQFFYSTSQHGFVDHILLAGGMARQ   300
NTDB id 227739 XcfCFBP6166P RS06310 WP 011348458.1 KQLTDEVMRRYGLTYEEAGLAKRQGGLPESYEVEVLEPFKEATVQQISRLLQFFYAGSEFNRVDCIVLAGGCAAL   298
NTDB id 1010 ACIAD RS15195 WP 004923715.1          KQLTQEVQKRYGMSYEEAGRAKKDGSLPEDFTQEVFEPYLEALVQQAARSLQFFFSSSQYNEIDHILLAGGNANI   298
NTDB id 1084 FDQ49 RS11070 WP 004711654.1          KQLTLEIQSRYGLSLEEASRAKKDRTLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANI   298
NTDB id 1054 ABD1 RS15870 WP 002014066.1           KQLTLEIQSRYGLSLEEASRAKKDRSLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANI   298
consensus                                          *!!* *** *!****!*! **!****!!******!**!****!**!*!!!!***!*****!*!*!!!!*!**

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1          PGLAALIQEQLGVTTTVANPLSHMSFGKKVNLDVINSDAPTLMVACGLALRHVE.   354
NTDB id 227739 XcfCFBP6166P RS06310 WP 011348458.1 ARLPEMVEEQLGVTTVVANPLAQMTLGPKVQAHALALDAPALMIATGLALRSFD.   352
NTDB id 1010 ACIAD RS15195 WP 004923715.1          LGLSRLLQQKLGYRVTIANPFLQMEFSPQVDIKKVENDAASLMVACGLALRSFDE   353
NTDB id 1084 FDQ49 RS11070 WP 004711654.1          PGLAKLLQQKLGYRVTIANPFLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
NTDB id 1054 ABD1 RS15870 WP 002014066.1           PGLAKLLQQKLGYRVTIANPFLQMGFSPQVDVQKIENDASSLMVACGLALRSFD.   352
consensus                                          **!*******!!*****!!!***! ****!** ****!! *!!*!*!!!!!***
```

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