```
logo
NTDB id 1253 GC085 RS04835 WP 011215094.1   MLKLLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKFTSKNVALAVPDS   85
NTDB id 51777 A458 RS40435 WP 014821722.1   MLGLFTKKANTLLGIDISSTSVKLLELSRSGSRYRVEAYAVEPLPANAVVEKNIAELEGVGQALQRVVAKAKTGCKSAVVAVSGS   85
NTDB id 1010 ACIAD RS15195 WP 004923715.1   MLRLYRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANPQAINAAIAVPTS   85
NTDB id 1084 FDQ49 RS11070 WP 004711654.1   MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTNAAIAVPTS   85
NTDB id 1054 ABD1 RS15870 WP 002014066.1   MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTHAAIAVPTS   85
consensus                                  !!*!**** ****!*!!!!**!!*!!*!*** ** !!*!**************!*****!**** * ******** ****!!**!

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1   AVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAENVNTRVEAAHRAGLEPKVVDV   170
NTDB id 51777 A458 RS40435 WP 014821722.1   AVITKIIEMDAGLSDEELENQLKIEADQYIPYPLEEVAIDFEVQGPAPRSPGRAEVLLAACRKENIEIREAALALAGLTAKVVDV   170
NTDB id 1010 ACIAD RS15195 WP 004923715.1   MVVHKIIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSEPLANPNRVSVLIAATRTENVDTRIEVLELAGLTPKVADV   170
NTDB id 1084 FDQ49 RS11070 WP 004711654.1   TVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLLNPNRVNVLLVATRTENVETRVEVLELADLNPKLADV   170
NTDB id 1054 ABD1 RS15870 WP 002014066.1   TVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLANPNRVNVLLVATRTENVETRVEVLELADLNPKLADV   170
consensus                                   !**!*********!*!*!******!**!!!*!**!***!!!!* * * ***** !!**!*!*!!***!******!*! *!**!!

logo
ESYAVERSVQQIAQELPASGQDKIVAIVDIGANYTHLFVLHGMRLIFSREEKFGGMQLVEAIAEHYHMNLEQAIALKNQGKLPED   255
EAYALERSYGLLAPQLGAAHGELTVAVVDIGATMTTLSVLHNGRTIYTREQLFGGRQLTEEIQRRYGLSQEEAGLAKKQGGLPDD   255
ESYAMERAFSVFADTLP..MGVNTVGILDIGHTMTTLSVMQKGKIIYTREQVFGGKQLTQEVQKRYGMSYEEAGRAKKDGSLPED   253
ESYAVERAFSVFADSLP..MGANTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEASRAKKDRTLPDD   253
ESYAVERAFSVFADSLP..MGANTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEASRAKKDRSLPDD   253
!*!!*!!*****!**!*  ** ******!!!***!*!*******!**!!**!!!*!!* *** *!****!*! **!***!!*!

logo
YESAVLEPFKDMILLQIKRTLQFFYSTSQHGFVDHILLAGGMARQPGLAALIQEQLGVTTTVANPLSHMSFGKKVNLDVINSDAP   340
YDSEVLLPFKEAVVQQVSRSLQFFFAAGQFHDVDCILLAGGTASISGLDHMIQQKIGTQTLVANPFADMALSSKVNAGALASDAP   340
FTQEVFEPYLEALVQQAARSLQFFFSSSQYNEIDHILLAGGNANILGLSRLLQQKLGYRVTIANPFLQMEFSPQVDIKKVENDAA   338
YEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANPFLQMGFSPQVDVQKIENDAS   338
YEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANPFLQMGFSPQVDVQKIENDAS   338
** *!**!*******!**!*!!!!****!****!*!!!!!!*!***!!*****!***!*****!!!***!*****!** ****!!

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1   TLMVACGLALRHVE.   354
NTDB id 51777 A458 RS40435 WP 014821722.1   ALMIACGLALRSFD.   354
NTDB id 1010 ACIAD RS15195 WP 004923715.1   SLMVACGLALRSFDE   353
NTDB id 1084 FDQ49 RS11070 WP 004711654.1   SLMVACGLALRSFD.   352
NTDB id 1054 ABD1 RS15870 WP 002014066.1   SLMVACGLALRSFD.   352
consensus                                   *!!*!!!!!!!***
```

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