```
logo
NTDB id 1253 GCO85 RS04835 WP 011215094.1   MLKLLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKFTSKNVALAVPDS   85
NTDB id 140661 TO66 RS02170 WP 044460772.1  MLGLFSKKASSLLGIDISSTSVKLVELSRIGQRFQVEACGVEPLPANAVVEKNIVEPEGVGHALSRLLARTRPGVKNAALALAGS   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 GCO85 RS04835 WP 011215094.1   AVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAENVNTRVEAAHRAGLEPKVVDV   170
NTDB id 140661 TO66 RS02170 WP 044460772.1  AVISKVIEMDAGLSDDDRESQLKVEADQYIPYPLDEAALDFDVLGYSARHPERVDVLLAACRREHIEIREVALELAGLTPRVVDL   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
ETCALERSLALAAG..PVAS..GSVALVDIGATLTTLNVVQAGQIIYSREQLFGGEQLTEQIQRRYGLSKEEAGLAKKKGGLPDG   251
ESYAMERAFSVFADTLPMGV..NTVGILDIGHTMTTLSVMQKGKIIYTREQVFGGKQLTQEVQKRYGMSYEEAGRAKKDGSLPED   253
ESYAVERAFSVFADSLPMGA..NTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEASRAKKDRTLPDD   253
ESYAVERAFSVFADSLPMGA..NTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEASRAKKDRSLPDD   253
consensus                  !**!*!!*****!***!***  ******!!!***!*!*!** ***!**!!**!!!*!!* *** *!****!*! **!***!!**

logo
YESAVLEPFKDMILLQIKRTLQFFYSTSQHGFVDHILLAGGMARQPGLAALIQEQLGVTTTVANPLSHMSFGKKVNLDVINSDAP   340
YAQAVLQPFQETAVEQVSRSLQLFQASASQHRIGSLLLAGGSAGLPGLASLLQQRLGLPVRIANPFAGMSLGSKVDAAVLASEAP   336
FTQEVFEPYLEALVQQAARSLQFFFSSSQYNEIDHILLAGGNANILGLSRLLQQKLGYRVTIANPFLQMEFSPQVDIKKVENDAA   338
YEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANPFLQMGFSPQVDVQKIENDAS   338
YEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANPFLQMGFSPQVDVQKIENDAS   338
consensus  **  *!**!*******!**!*!!*!*****************!!!!!*!***!!**!*!**!!*****!!!***!  ****!** *****!

logo
NTDB id 1253 GCO85 RS04835 WP 011215094.1   TLMVACGLALRHVE.   354
NTDB id 140661 TO66 RS02170 WP 044460772.1  ALMIACGLALRSFD.   350
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