```
logo
NTDB id 1253 GCO85 RS04835 WP 011215094.1   MLKLLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKFTSKNVALAVPDS   85
NTDB id 146897 PDR5 RS02055 WP 064592901.1  MLGLFNKKANTLLGIDISSTSVKLLELSRQGERYRVEAYAVEPLPASAVVEKNIAELEGVGQALSRVLVKARTGLKTVAVAVAGS   85
NTDB id 1010 ACIAD RS15195 WP 004923715.1   MLRLYRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANPQAINAAIAVPTS   85
NTDB id 1054 ABD1 RS15870 WP 002014066.1   MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTHAAIAVPTS   85
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTNAAIAVPTS   85
consensus                                  !!*!**** ****!*!!!!**!!*!!*!*** ** !!*!**************!*****!**** * ******** **!*!!**!

logo
NTDB id 1253 GCO85 RS04835 WP 011215094.1   AVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAENVNTRVEAAHRAGLEPKVVDV   170
NTDB id 146897 PDR5 RS02055 WP 064592901.1  AVITKVIEMDSGLSDDELENQLKIEADQYIPYPLDEVAIDFEVQGVSPRNPERVNVLLAACRKENVEVREAALALAGLTARVVDV   170
NTDB id 1010 ACIAD RS15195 WP 004923715.1   MVVHKIIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSEPLANPNRVSVLIAATRTENVDTRIEVLELAGLTPKVADV   170
NTDB id 1054 ABD1 RS15870 WP 002014066.1   TVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLANPNRVNVLLVATRTENVETRVEVLELADLNPKLADV   170
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  TVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLLNPNRVNVLLVATRTENVETRVEVLELADLNPKLADV   170
consensus                                   !**!*********!*!*!******!**!!!*!*!!***!!!!* * * ******!!**!*!*!!!**!******!*! ****!!

logo
ESYAVERSVQQIAQELPASGQDKIVAIVDIGANYTHLFVLHGMRLIFSREEKFGGMQLVEAIAEHYHMNLEQAIALKNQGKLPED   255
EAYALERSFGLLATQLAASQDRLTVAVVDIGATMTTLSVLHNGRIIYTREQLFGGRQLTEEIQRRYGLTLEQAGLAKKQGGLPDD   255
ESYAMERAFSVFADTLPMGV..NTVGILDIGHTMTTLSVMQKGKIIYTREQVFGGKQLTQEVQKRYGMSYEEAGRAKKDGSLPED   253
ESYAVERAFSVFADSLPMGA..NTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEASRAKKDRSLPDD   253
ESYAVERAFSVFADSLPMGA..NTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEASRAKKDRILPDD   253
!*!!*!!*****!**!****  ******!!!***!*!*!******!**!!**!!!*!!* *** *!****!*! **!***!!*!

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

logo
NTDB id 1253 GCO85 RS04835 WP 011215094.1   TLMVACGLALRHVE.   354
NTDB id 146897 PDR5 RS02055 WP 064592901.1  ALMIACGLALRSFD.   354
NTDB id 1010 ACIAD RS15195 WP 004923715.1   SLMVACGLALRSFDE   353
NTDB id 1054 ABD1 RS15870 WP 002014066.1   SLMVACGLALRSFD.   352
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  SLMVACGLALRSFD.   352
consensus                                  *!!*!!!!!!!***
```

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