```
logo
NTDB id 1253 GC085 RS04835 WP 011215094.1  ............MLKLLKPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMIKDVDVVANCIKKLVERLKF   73
NTDB id 57643 TOL RS15645 WP 015488346.1   MQAREFDGDFVVLASLFNKKNKALLGVDISSTSVKVLELSRQGDRYQVEAYATEPLPLNAVVEQSISNDEAVGEAIRKAIARSRT   85
NTDB id 1010 ACIAD RS15195 WP 004923715.1  ............MLRLYRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANP   73
NTDB id 1054 ABD1 RS15870 WP 002014066.1   ............MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANP   73
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  ............MLRLYRKPNKGLMGVDISSTSVKLLELSVKNGKYWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANP   73
consensus                                  ***!********!*!!!!**!!*!!*!*** ** !!*!**************!*****!**** ********

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1  TSKNVALAVPDSAVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHSAKSSSLLDVLIVASRAENVNTRVEAA   158
NTDB id 1054 ABD1 RS15870 WP 002014066.1   QTTHAAIAVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLANPNRVNVLLVATRTENVETRVEVL   158
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  QTTNAAIAVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPDRLLNPNRVNVLLVATRTENVETRVEVL   158
consensus                                  ** **!*!!**! !**!*********!*!*******!**!!!*!**!**!!*!** * ****** !!**!*!*!*!**!****

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1  HRAGLEPKVVDVESYAVERSVQQIAQELPASGQDKIVAIVDIGANYTHLFVLHGMRLIFSREEKFGGMQLVEAIAEHYHMNLEQA   243
NTDB id 57643 TOL RS15645 WP 015488346.1   EYAGISVERVDVEAFCTERAFALLGAQVVGEDV.ETVAVLDIGATMTTLSVLHEGKSIYTREQLFGGKQLTEDIKRRYGLSDEEA   254
NTDB id 1010 ACIAD RS15195 WP 004923715.1  ELAGLTPKVADVESYAMERAFSVFADT.LPMGV.NTVGILDIGHTMTTLSVMQKGKIIYTREQVFGGKQLTQEVQKRYGMSYEEA   241
NTDB id 1054 ABD1 RS15870 WP 002014066.1   ELADLNPKLADVESYAVERAFSVFADS.LPMGA.NTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEA   241
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  ELADLNPKLADVESYAVERAFSVFADS.LPMGA.NTIGILDIGHTMTTLSVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSLEEA   241
consensus                                  **!** ****!!!****!!********* ****  ******!!!***!*!*!** ***!**!!**!!!*!!* ***  *!****!*!

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1  IALKNQGKLPEDYESAVLEPFKDMILLQIKRTLQFFYSTSQHGFVDHILLAGGMARQPGLAALIQEQLGVTTTVANPLSHMSFGK   328
NTDB id 57643 TOL RS15645 WP 015488346.1   QRAKIEGGVPDDYESEVLDPFRQSVVQQVSRSLQFFYSSSQFNDVDCIVLAGGTSAIAGLADRVQETLGIPTVVANPFVSMTLSQ   339
NTDB id 1010 ACIAD RS15195 WP 004923715.1  GRAKKDGSLPEDFTQEVFEPYLEALVQQAARSLQFFFSSSQYNEIDHILLAGGNANILGLSRLLQQKLGYRVTIANPFLQMEFSP   326
NTDB id 1054 ABD1 RS15870 WP 002014066.1   SRAKKDRSLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANPFLQMGFSP   326
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  SRAKKDRTLPDDYEIEVLDPFLDAVVQQAARSLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANPFLQMGFSP   326
consensus                                   **!*****!*!** *!**!*******!**!*!!!!!*!*!!****!*!*!!!!*****!!***!**!!*****!!!***!  ***

logo
NTDB id 1253 GC085 RS04835 WP 011215094.1  KVNLDVINSDAPTLMVACGLALRHVE.   354
NTDB id 57643 TOL RS15645 WP 015488346.1   KVNANLLNSDAPSLMIAAGLALRSFD.   365
NTDB id 1010 ACIAD RS15195 WP 004923715.1  QVDIKKVENDAASLMVACGLALRSFDE   353
NTDB id 1054 ABD1 RS15870 WP 002014066.1   QVDVQKIENDASSLMVACGLALRSFD.   352
NTDB id 1084 FDQ49 RS11070 WP 004711654.1  QVDVQKIENDASSLMVACGLALRSFD.   352
consensus                                  *!*******!! *!!*!*!!!!!***
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X non conserved
X similar
X $\geq$50% conserved