

```
NTDB id 1253 GC085 RS04835 WP 011215094.1
NTDB id 1069291 ACFELM RS27535 WP 023103573.1
NTDB id 1010 ACIAD RS15195 WP 004923715.1
NTDB id 1054 ABD1 RS15870 WP 002014066.1
NTDB id 1084 FDQ49 RS11070 WP 004711654.1
consensus
```

MLRLYRKPNKGLMGYDISSTSVKLELSVKNKYVESYALMDPLPNSWEKNLNPEAVAEALERAMNLANPQITTHAAI
LGLIKKKANTLLGIDISSTSVKLELSRSGCRYKVEAYAVEPLPPNAVVEKNIVLEEGVQALSRLVKAKTNLKSAVV
MLRLYRRPKKGLVGVDISSTSVKVLELSVKNNQYRVESYCLVPLENSVVEKNILNPEAVADALTRSLINLANPQAINAII
MLRLYRKPNGLMGVDISSTSVKLELSVKNKYWVESYALMDPLPNSVVEKNILNPEAVAEALERAMNLANPQTTHAII
MLRLYRKPNGLMGVDISSTSVKLELSVKNKYWVESYALMDPLPNSVVEKNILNPEAVAEALERAMNLANPQTTHAII
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consensus
```

AVPTSTVIHKTIEMDADMSDDEREVQIRYDAEQYIPFPLDEVSLDFEVLDPDSLAPNPNRVNVLLVATRTENVETREVELEL
IADMVSYYQIEGLTELMLLYKMLEDRITYTELIATMSEPARSSSEHLSDAICAKDVIEAAAR

AVPDSAVISKVVQINEGLTDLEMEELVVIEADKYIPYPIDEINLDFEVLGHS AKSSSLIDVLIIVASRAENVNTRVEAAHR 160
AVAGSAVITKTIEMEAGLSEDELENQLKIEADQYIPYPLEEVATDFEVQGLSARNPEHVVDVLLAACRKENVEVREAALAL 160
AVPTSMVVKHTIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSEPLANPNRVSVLIAATRTEENVDTRIEVELEL 160
AVPTSIVHKTIEMDADMSDDEREVQIRYDAEQYIPFPLDEVSLDFEVLDRLANPNRVNVLLVATRTENVTREVELEL 160
AVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLPRLLNPNRNVNLLVATRTENVTREVELEL 160

!!!! !*****!*!!!!!!!!!!*!***!!*!*****!!!* * *****!****!*!!!!!!*!*****

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```

[illegible]

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NTDB id 1253 GC085 RS04835 WP 011215094.1
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[illegible]

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consensus

 non conserved
 similar
 $\geq 50\%$ conserved