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NTDB id 1253 GC085 RS04835 WP 011215094.1	MLRLYRKPNKGLMGYDSSSTSVKLELSVKNQYVVESYALMPLPENSWVEKNLNPFAVAALRAMNLANPQTTHAAI	80
NTDB id 1110435 ACODFA RS31965 WP 003110888.1	MLKLLPKKHRSILGIDISSSAVKILEISGSGEDICVEGYGREETIPASALEGNMIDVDVIVANCITKKLVERLKFTSKNVAL	80
NTDB id 1010 ACIAD RS15195 WP 004923715.1	MLGLIKKKANTLLGIDISSTSVKLLLELSRSGGRYKVEAYAVEPLPPNAVVEKNIVELEGVQALSRVLVKAKTNLKSADV	80
NTDB id 1054 ABD1 RS15870 WP 002014066.1	MLRLYRPPKKGLGVDISSTSVKLELSVKNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRISINLANPQAINAAI	80
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	MLRLYRKPKNKGLMGVDISSTSVKLLLELSVKNQYVWVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTHAAI	80
consensus	!!*!***** ****!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1253 GC085 RS04835 WP 011215094.1	AVPTSAVIHKTIEMDADMSDDEREVQIRYDAEQYIPFPLDEVSLDFEVLDPDSANPNRVNVLVATRTENETRVLEVLEL	160
NTDB id 1110435 ACODFA RS31965 WP 003110888.1	AVPDSAVISKVQINEGLTIDLEMEELVIEADKYIPYPIDEINLDFEVLGHSAKSSSLDVLIVASRAENVNTRVEAAHR	160
NTDB id 1010 ACIAD RS15195 WP 004923715.1	AVAGSAVITKTIEMEAGLSEDELENQKIEADQYIPYPLEVAIDFEVQGLSARNPERVDVLLAACRKENVEVREAALAL	160
NTDB id 1054 ABD1 RS15870 WP 002014066.1	AVPTSMVVKHTIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSEPLANPNRVSVLTAARTENVDTRIEVLEL	160
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	AVPTSTVIHKTIEMDADMSDDEREVQIRVDAEQYIPFPLDEVSLDFEVLDPDRLLNPNRVNVLLVATRTENVETRVEVLEL	160
consensus	!!*!! !!*!*****!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1253 GC085 RS04835 WP 011215094.1	AGLTPKVDVESYAEERAFSVFADSLPMGA..NTVYGILDIHTMTLSVMQNGKIIYTREQVFGGKQLTLEIQRYGLSL	240
NTDB id 1110435 ACODFA RS31965 WP 003110888.1	AGLEPKVVDVESYAVERSVQIIAQELPASQDKIVAIVDIGANYTHLFLVHGMRLIFSREEKFGGMQLVEAIAEHYHNNL	240
NTDB id 1010 ACIAD RS15195 WP 004923715.1	AGLTAQVVDVEAYALERSYALISSQLGADTDQLTVAVVDIGATMTTSLVLHNGRTIYTREQVFGGKQLTLEIQRRLYGLSV	238
NTDB id 1054 ABD1 RS15870 WP 002014066.1	AGLTPKVDVESYAMERAFSVFADSLPMGV..NTVYGILDIGHTMTTSLVMQNGKIIYTREQVFGGKQLTQEVQKRYGMSY	238
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	ADLNPKLADVESYAVERAFSVFADSLPMGA..NTIGILDIGHTMTTSLVMQNGKIIYTREQVFGGKQLTLEIQRRLYGLSL	238
consensus	!!*! *!*****!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1253 GC085 RS04835 WP 011215094.1	EEASRAKKDGLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLARLLQQKLGYRVTIANP	320
NTDB id 1110435 ACODFA RS31965 WP 003110888.1	EEAGLAKKQGLPDDYDSEVLRPFKDAVVQVQVSRSLQFFFAAGQFNDDYIVLAGGTASTQDLDRLIQKKTGTPTLVANP	320
NTDB id 1010 ACIAD RS15195 WP 004923715.1	EEAGRAKKDGLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLARLLQQKLGYRVTIANP	318
NTDB id 1054 ABD1 RS15870 WP 002014066.1	EEASRAKKDRSLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANP	318
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	EEASRAKKDRSLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLAKLLQQKLGYRVTIANP	318
consensus	!!*! *****!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1253 GC085 RS04835 WP 011215094.1	FLQMGFSPQVDVQKIENDASSLMVACGLALRSFD	354
NTDB id 1110435 ACODFA RS31965 WP 003110888.1	FADMALNGKVNAGALASDAPALMIACGLALRSFD	354
NTDB id 1010 ACIAD RS15195 WP 004923715.1	FLQMGFSPQVDIKKVENDASSLMVACGLALRSFDE	353
NTDB id 1054 ABD1 RS15870 WP 002014066.1	FLQMGFSPQVDVQKIENDASSLMVACGLALRSFD	352
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	FLQMGFSPQVDVQKIENDASSLMVACGLALRSFD	352
consensus	***!*****!*** *****! *!*****!!!!!!*!!!!!!	

 non conserved
 similar
 $\geq 50\%$ conserved