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NTDB id 1253 GC085 RS04835 WP 011215094.1	MLRLYRKPNKGLMGYDSSSTSVKLELSVKNQYVVESYALMPLPENSWVEKNLNPFAVAALRAMNLANPQTTHAAI	80
NTDB id 1143396 PA5486 RS31930 WP 003110888.1	MLKLLPKKHRSILGIDISSSAVKILEISGSGEDICVEGYGREETIPASALEGNMIDVDVIVANCITKKLVERLKFTSKNVAL	80
NTDB id 1010 ACIAD RS15195 WP 004923715.1	MLGLIKKKANTLLGIDISSTSVKLLLELSRSGGRYKVEAYAVEPLPPNAVVEKNIVELEGVQQAISRLVVKAKTNLKSADV	80
NTDB id 1054 ABD1 RS15870 WP 002014066.1	MLRLYRPPKGLGVGDISSTSVKLELSVKNNQYRVESYGLVPLLENSVVEKNILNPEAVADALTRSINLANPQAINAAI	80
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	MLRLYRKPKNKGLMGVDISSTSVKLLLELSVKNQYVVESYALMPLPENSVVEKNILNPEAVAEALERAMNLANPQTTHAAI	80
consensus	!!*!***** ****!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1253 GC085 RS04835 WP 011215094.1	AVPTSAVIHKTIEMDADMSDDEREVQIRYDAEQYIPFPLDEVSLDFEVLDPDSANPNRVNVLVATRTENETRVLEVLEL	160
NTDB id 1143396 PA5486 RS31930 WP 003110888.1	AVPDSAVISKVVGQINEGLTLEMEELVVEADKYIPYPIDEINLDFEVLGHSASKSSSLDVLIVASRAENVNTRVEAAHR	160
NTDB id 1010 ACIAD RS15195 WP 004923715.1	AVAGSAVITKTIEMEAGLSEDELENQKIEADQYIPYPLEVAIDFEVQGLSARNPERVDVLLAACRKENVEVREAAALAL	160
NTDB id 1054 ABD1 RS15870 WP 002014066.1	AVPTSMVVKHTIEMDADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVLMSPLANPNRVSVLTAARTENVDTRTEVLEL	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..NTYVGLDIGHMTTSLVMQNGKIIYTREQVFGGKQLTLEIQRYGLSL	240
NTDB id 1143396 PA5486 RS31930 WP 003110888.1	AGLEPKVVDVESYAVERSVQQIAQLPASCQDKIVAIVDIGANYTHLFLVHGMRLIFSREEKFGGMQLVEAIAEHYHNNL	240
NTDB id 1010 ACIAD RS15195 WP 004923715.1	AGLTAKVVDVEAYALERSYALISSQLGADTDQLTVAVVDIGATMTTSLVLHNGRTIYTREQVFGGKQLTLEEIQRRYGLSV	238
NTDB id 1054 ABD1 RS15870 WP 002014066.1	AGLTPKVDVESYAMERAFSVFADSLPMGV..NTYVGLDIGHTMTTSLVMQNGKIIYTREQVFGGKQLTQEVQKRYGMSY	238
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	ADLNPKLADVESYAVERAFSVFADSLPMGA..NTIGILDIGHTMTTSLVMQNGKIIYTREQVFGGKQLTLEIQSRYGLSL	238
consensus	!!*! *!*****!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1253 GC085 RS04835 WP 011215094.1	EEASRAKKDGLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLARLLQKKLGYRVTIANP	320
NTDB id 1143396 PA5486 RS31930 WP 003110888.1	EEAGLAKKQGLPDDYDSEVLRPFKDAVVQVQVSRSLQFFFAAGQFNDDYIVLAGGTASTQDLDRLIQKKIGTPTLVANP	320
NTDB id 1010 ACIAD RS15195 WP 004923715.1	EEAGRAKKDGLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLARLLQKKLGYRVTIANP	318
NTDB id 1054 ABD1 RS15870 WP 002014066.1	EEASRAKKDRSLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLAKLLQKKLGYRVTIANP	318
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	EEASRAKKDRSLPDDYEVLEPFLDAVQQAARSLQFFFSQQFNEIDHILLAGGNANIPGLAKLLQKKLGYRVTIANP	318
consensus	!!*! *****!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1253 GC085 RS04835 WP 011215094.1	FLQMGFSPQVDVQKIENDASSLMVACGLALRSFD	354
NTDB id 1143396 PA5486 RS31930 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