

MAEHESLADFLDLEELPYMKGTVNTVYYNDINLYTVRVLVETSEDWEEKDYSVTGYFPALHEEQEYTFYCKMTHKFGQF
 MAEQESLALFNDDTPEELFMKGTMSTIFYNAENLFSVVRILVKETNADWDEKDIIVTGFFPALHEEQEVYTFYCKMQBHAKFGQF
 MQQH...PDQLKLLEEPYLVKGTVNTVIYHNDTNLYTVLKVKTETSEATEDKAVSVTGYFPALQEBETVTFYCKIVTHPKFGLQF

85
 82

K A D R F R K E M P T T R E G L N Y L S S E L F K G I G K V T A E N I V D T I G D D A I T K I L S D P S L L N T V P K L P S G A A E S L L A S I R E N Q G L E H V M V G 170
 Q A E H F K K E I P T T K E G I I Q Y L S D L F E G I G K K T A E E I V K K L G D S A I N K I L A D A S V L Y D V P R L S K K K A D T L A C A L Q R H Q G L E Q I M S 167

LNEYGFGPQLSMKIFQAYKQNAIEVLENNPYQLTIEDIKGGIFQRADELGRKRLGLSGNHPERLEAGILFMLDSVCMQQGHVYMEQE 255
 LNQGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLLETTQLSEGHYIETE 252

L E E R M G V V Y G P S Q R Q A L E Q A L M S P M L V L T G G P G T G K T T V I R G I V E L Y A E L N G V S L D P H A Y K K G E T F P Y W L A A P T G R A A K R M S E S T

423
 L E E R I G V H Y G D S Q R Q A L E Q A L M S P M L V L T G G P G T G K T T V I K G I V E L Y A E L N G V S L D P H A Y K D G A T F P V L A A P T G R A A K R M S E S T
 422
 L E E R M D V Q Y A P S Q K A I Q K A L S S P M L L T G G P G T G K T T V I R G I V E L Y G E L H G V S L D P S A Y K K D E A F P I V L A A P T G R A A K R M S E S T

[illegible]

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consensus



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