

MRAERLRLEEQQRILRLYLRLTIGLVLLISSELEDQVLKVHPELFHVGSWCYLVFNILVALFLPPSRQLLPFIFALT
MRAERLRLEEQQRILRLYLRLTIGLVLLISSELEDQVLKVHPELFHVGSWCYLVFNILVALFLPPSRQLLPFIFALT
MRAERLRLEEQQRILRLYLRLTIGLVLLISSELEDQVLKVHPELFHVGSWCYLVFNILVALFLPPSRQLLPFIFALT

DVLM CGLFYAGGGVPSGIGSLLVAVAIANILLRGRIGLVI AAAASLGLLYLTFFLSLSSPDATNHVQAGGLGTL CFAAALVI
 DVLMLCGLFYAGGGVPSGIGSLLVAVAIANILLRGRIGLVI AAAASLGLLYLTFFLSLSSPDATNHVQAGGLGTL CFAAALVI
 DVLM CGLFYAGGGVPSGIGSLLVAVAIANILLRGRIGLVI AAAASLGLLYLTFFLSLSSPDATNHVQAGGLGTL CFAAALVI

QALVRRQEQTTETLAE_EKRAETVANLEELNALILQRMRTGILVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL
QALVRRQEQTTETLAE_KRAETVANLEELNALILQRMRTGILVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL
QALVRRQEQTTETLAE_ERAETVANLEELNALILQRMRTGILVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL

NPSLRPPTLKVPDGPVTQPSFISLNREDDQHVLIFLEDISQIAQQAQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLQESEE
 NPSLRPPTLKVPDGPVTQPSFISLNREDDQHVLIFLEDISQIAQQAQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLQESEE
 NPSLRPPTLKVPDGPVTQPSFISLNREDDQHVLIFLEDISQIAQQAQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLQESEE

LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPPGRLRNDSEHLHLQLGAGDIQTRMDPHQLNQVL
 LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPPGRLRNDSEHLHLQLGAGDIQTRMDPHQLNQVL
 LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPPGRLRNDSEHLHLQLGAGDIQTRMDPHQLNQVL

SNLVQNGRLRYSAQAHGRGQVWLSLARDPESDLPVLE^yIDDGPGVPADKLN^LNLFEPFFTTESKGTGLGLYLSREL^CESN^QARID^YR
SNLVQNGRLRYSAQAHGRGQVWLSLARDPESDLPVLE^yIDDGPGVPADKLN^LNLFEPFFTTESKGTGLGLYLSREL^CESN^QARID^YR
SNLVQNGRLRYSAQAHGRGQVWLSLARDPESDLPVLE^yIDDGPGVPADKLN^LNLFEPFFTTESKGTGLGLYLSREL^CESN^QARID^YR

N R E G G G C F R I T F A H P R K L S 530
 N R E G G G C F R I T F A H P R K L S 530
 N R E G G G C F R I T F A H P R K L S 530

 non conserved
 similar
 $\geq 50\%$ conserved