

MRAERLRRLSEEQQRILRLYLRLTIGLVLLISSELEDQVLKVHPELFHVGSWCYLVFNILVALFLPPSRQLLPFIFILALT  
MRAERLRRLSEEQQRILRLYLRLTIGLVLLISSELEDQVLKVHPELFHVGSWCYLVFNILVALFLPPSRQLLPFIFILALT  
MRAERLRRLSEEQQRILRLYLRLTIGLVLLISSELEDQVLKVHPELFHVGSWCYLVFNILVALFLPPSRQLLPFIFILALT

DVLM CGLFYAGGGVPSGIGSLLVAVAIANILLRGRIGLVI AAAASLGLLYLTFFLSLSSPDATNHVQAGGLGTL CFAAALVI  
 DVLMLCGLFYAGGGVPSGIGSLLVAVAIANILLRGRIGLVI AAAASLGLLYLTFFLSLSSPDATNHVQAGGLGTL CFAAALVI  
 DVLM CGLFYAGGGVPSGIGSLLVAVAIANILLRGRIGLVI AAAASLGLLYLTFFLSLSSPDATNHVQAGGLGTL CFAAALVI

QALVRRQEQTTETLAEEAETVANLEELNALILQRMRTGILVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL  
QALVRRQEQTTETLAEEAETVANLEELNALILQRMRTGILVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL  
QALVRRQEQTTETLAEEAETVANLEELNALILQRMRTGILVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL

NPSLRPPTLKWPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLQESEE  
 NPSLRPPTLKVVPDGPVTQPSFISLNREDDQHVLIFLEDISQIAQQAQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLQESEE  
 NPSLRPPTLKVVPDGPVTQPSFISLNREDDQHVLIFLEDISQIAQQAQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLQESEE

LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPPGRLRNDSEHLQLGAGDIQTRMDPHQLNQVL  
 LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPPGRLRNDSEHLQLGAGDIQTRMDPHQLNQVL  
 LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPPGRLRNDSEHLQLGAGDIQTRMDPHQLNQVL

SNLVQNGRLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNLFEPFFTTESKGTGLGLYLSRELCESNQARIDYR  
SNLVQNGRLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNLFEPFFTTESKGTGLGLYLSRELCESNQARIDYR  
SNLVQNGRLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNLFEPFFTTESKGTGLGLYLSRELCESNQARIDYR

 non conserved  
 similar  
  $\geq 50\%$  conserved