

A

PduK57 MKYFVVALISAVFFIGVCQAATPSKKCRDDYKARTLSESCILHCEYKAYGFANDKYDIKRKQIDQFVNVLVNGNAVTSK
PduM58 MKYFVVALISAVFFIGVCQAATPSKKCRDDYKARTLSESCILHCEYKAYGFANDKYDIKRKQIDQFVNVLVNGNSVTSK

PduK57 RKKLENLLRGCANTARDKNPKLGCQT TVDYRRCIVADKNLINYSKFVAIIAHDKTININ
PduM58 RKKLENLLRGCANTARDKNPKLGCQT TVDYRRCIVADKNLINYSKFVAIIAHDKTININ

B

PduM12 MKYL VVALI CAVLFTGISLAATPSLKCREOSKALKKESCTLHCQYKVYGFVNDKVEIKOKHMDKLAKFLIKENNVVDSTN
PduK109 MKYFVVALISAVVFTIGICHATNP SLKCREESRAKGLKESCTLHCQYKAYGFVNDKFEIKRKHNRNKLAIEFLINGNVVDSTN

PduM12 KRKLNSLLKKCVNETKEKNED--PSCYRTFDYVICINKDHELIDHNKFI LAI AALDKTFDI
PduK109 RKKLNDLLOKCLTETKEKEDED PSCYITFDYVICINKDHLIDHRNFI LAI TALDKTIHI

C

PduM31 MKYLVVSLFLAVCFIGLCQAGIPSKKCREDHLAGKLKEECILYCEYEAYRFTNLKYDIKPKHINNFLT VLT TGKVVNSTN
PduK56 MKYLVVSLFLAVCFIGLCQAGIPSKKCREDHLAGKLKEECILYCEYEAYRFTNLKYDIKPKHINNFLT VLT TGKVVNSTN

PduM31 RKEFEKMFNDCAKKAKAKHTTPNCERINYYTCTIIYETKDDLII SGKFQDAIDAYDKTVNI
PduK56 RKEFEKMFNDCAKKAKAKHTTPNCERINYYTCTIIYETKDDLII SGKFQDAIDAYDKTVNI

D

PduM49 MKYLVVSLISAVFLIGICQAAIPSRKCRELYRAGKITEECILOCEYEAYGFINSKFIEQQHI IKYMAVLMRKGKVLNERN
PduK41 MKYLVVSLISAVFLIGICQAAIPSRKCRELYRAGKITEECILOCEYEAYGFINSKFIEQQHI IKYMAVLMRKGKVLNDRN

PduM49 KKKFQDVFTKCKKRAYHKFKPGGCGRTNDYYECIVYYSDDMDVIDGKFADALIA YDQSLNI
PduK41 KKKFQDVFTKCKKRAYHKFKPGGCGRTNDYYECIVYYSDDMDVIDGKFADALIA YDQSLNI

E

PduM234 MKYL VVSLISAVFLIGTCQADIPSRKCRELYKTKRIDEECILHCEYVAYGFTNMNFDIEKEHIIKFMAYVLMKAKVLNDSN
PduK42 MKYLVLCLISAVFLIGTCQADIPSRKCRELYKTKRIDEECILHCEYVAYGFTNMNFDIENEHIIKFMAYVLMKAKVLNDSN

PduM234 KKEFEKTFKCKCKRAMAKYKRNCKTITDYECIVYYTDDDLVIDGKFADALIA YDKTVKV
PduK42 KKKFETMFKNCKKRAFAKYSKRSCKTITDYECIVYYTDDDLVIDGKFANAI IAFDKTVKV

F

PduM07 MKYFVVSLIS-TVLFTIGICQAANPSKKCRDDYRASTLSESCILHCEYKAYGFANDNYDMKKKHIDN FVNALIDGNVNTD
PduK40 MEILCWFLFLQVLFTIGICQAANPSKKCRDDYRASTLSESCILHCEYKAYGFANDNYDMKKKHIDN FVNALIDGNVNTD

PduM07 KRQKLENLLRKCANEARKENPNFGCQTTIDYYRCIVRDQKLINYSKFATAIILHDKINMN
PduK40 KRQKLENLLRKCANEARKENPNFGCQTTIDYYRCIVRDQKLINYSKFATAIILHDKINMN