

logo

NTDB id 46769 HPSAT RS00205 WP 001045867.1
NTDB id 1218 CAA10657.1 2413..3543()
consensus

MNKLKGA~~L~~VFYGGFATITISLYYHQPKAPLNNQPSLLNDDEVKYPLQDYTFTQNPQPTNTESSKDATIKALQEQKAAALKAL

MNKLKGA~~L~~VFYGGFATITISLYYHQPKAPLNNQPNLLNDDEVKYPLQDYTFTQNPQPTNTESSKDATIKALQEQKAAALKAL

MNKLKGV~~I~~VFYGGFATITISLVYHQPKAPLNNQPSLLNDDEVKYPLQDYTFTQNPQPTNTESSKDATIKALQEQKAAALKAL

!!!!!!!!*!*!!!!!!!!!!!!!!*!!

85
85

logo

NTDB id 46769 HPSAT RS00205 WP 001045867.1
NTDB id 1218 CAA10657.1 2413..3543()
consensus

NSKEMNSKEETFK~~S~~PPID~~P~~KTNTTPPKKDFSLKQLDLLASRTIPFKQSPKNYEENLIFPMDNPKGIDGFTNLKEKDIAITNENKL

NSKEMNSKEETFKNPPID~~L~~KTNTTPPKKDFSLKQLDLLASRTIPFKQSPKNYEENLIFPMDNPKGIDGFTNLKEKDIAITNENKL

NSKEMNY~~S~~KEETFK~~S~~PPIDP..NTTPPKKDFSLKQLDLLAARITPFKQSPKNYEENLIFPMDNPKGIDGFTNLKEKDIAITNENKL

!!!!!!!!!!!!!!*!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

170
168

logo

NTDB id 46769 HPSAT RS00205 WP 001045867.1
NTDB id 1218 CAA10657.1 2413..3543()
consensus

LRTITADKMIPAF~~L~~ITPIS~~S~~QIAGKVIAQVESDIFAS~~M~~MGKAVLIPKGSKVIGYYSNNNMGEYRLDIVWSRIITPHGINIMLTNA

LRTITADKMIPAF~~L~~ITPIS~~S~~QIAGKVIAQVESDIFAS~~M~~MGKAVLIPKGSKVIGYYSNNNMGEYRLDIVWSRIITPHGINIMLTNA

LRTITADKMIPAF~~L~~ITPIS~~S~~QIAGKVIAQVESDIFAH~~M~~MGKAVLIPKGSKVIGYYSNNNMGEYRLDIVWSRIITPHGINIMLTNA

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!

255
253

logo

NTDB id 46769 HPSAT RS00205 WP 001045867.1
NTDB id 1218 CAA10657.1 2413..3543()
consensus

KGADIKGYNGLVGE~~L~~IERNFQRYGVPLLLSTLTNGLLIGITSALNNRGNKE~~Y~~ATNFFGDYLL~~L~~QLMRQSGMGINQVWNQILRDKS

KGADIKGYNGLVGE~~L~~IERNFQRYGVPLLLSTLTNGLLIGITSALNNRGNKE~~Y~~ATNFFGDYLL~~L~~QLMRQSGMGINQVWNQILRDKS

KGADIKGYNGLVGE~~L~~IERNFQRYGVPLLLSTLTNGLLIGITSALNNRGNKE~~G~~ATNFFGDYLL~~M~~QLMRQSGMGINQVWNQILRDKS

!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

340
338

<0

logo

NTDB id 46769 HPSAT RS00205 WP 001045867.1
NTDB id 1218 CAA10657.1 2413..3543()
consensus

KIAP~~I~~WIREGSRVFI~~S~~PNTD~~I~~FFPI~~P~~RENEVIAEFLK

KIAP~~I~~VIREGSRVFIS~~P~~NTD~~I~~FFPI~~P~~KENEVIAEFLK.

KIAP~~I~~VIREGSRVFIS~~P~~NTD~~I~~FFPI~~P~~RENEVIAEFLK*

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!

378
376

X

 non conserved

X

 similar

X

 ≥ 50% conserved