```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 61872 SIR RS12265 WP 021002539.1  MSQRKSNQKVMQSVIGGIIALSLAIGAYYFRANNNGTVHQDSSAINKSLEQHHAGPSKDLAQSVLTGNVRSQFKGKIEWNGAGAF   85
NTDB id 262 KZH43 RS08770 WP 001036779.1  .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN..LSQKKQASEAPSQALAESVLTDAVKSQIKGSLEWNGSGAF   78
NTDB id 221 SPD RS09380 WP 001036779.1    .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN..LSQKKQASEAPSQALAESVLTDAVKSQIKGSLEWNGSGAF   78
NTDB id 187 SPR RS08930 WP 001036779.1    .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN..LSQKKQASEAPSQALAESVLTDAVKSQIKGSLEWNGSGAF   78
NTDB id 152 SP RS09870 WP 001036779.1     .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN..LSQKKQASEAPSQALAESVLTDAVKSQIKGSLEWNGSGAF   78
consensus                                      *!*!**!**!!****!*!**!*!!**************  *****!****!!**!!*!!!!!**!*!!*!!**!!!!*!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 61872 SIR RS12265 WP 021002539.1  IVNENKNDLDAKVGSIPYADNKTKLVRGRTVPTVANALLSKATRQYRNREETGNGSTTWTPAGWHQVKHLSGEYHHAVDRGHLLG   170
NTDB id 262 KZH43 RS08770 WP 001036779.1  IVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGSYTHAVDRGHLLG   163
NTDB id 221 SPD RS09380 WP 001036779.1    IVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGSYTHAVDRGHLLG   163
NTDB id 187 SPR RS08930 WP 001036779.1    IVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGSYTHAVDRGHLLG   163
NTDB id 152 SP RS09870 WP 001036779.1     IVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGSYTHAVDRGHLLG   163
consensus                                 !!!*!!**!!!!!*!*!!!!!!!!!*!***!!!!!!!!!!!!!!!!!!*!*!!!!!!!*!!!*!!!!!!*!*!*!*!!!!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 61872 SIR RS12265 WP 021002539.1  YALIGGNLKGFDASTSNPKNIAVQTAWANQANASHSTGQNFYETKVRKALDKNKRVRYRVTLIYASEQDLVPVGSHIEAKSSDGSL   255
NTDB id 262 KZH43 RS08770 WP 001036779.1  YALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVPSASQIEAKSSDGEL   248
NTDB id 221 SPD RS09380 WP 001036779.1    YALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVPSASQIEAKSSDGEL   248
NTDB id 187 SPR RS08930 WP 001036779.1    YALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVPSASQIEAKSSDGEL   248
NTDB id 152 SP RS09870 WP 001036779.1     YALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVPSASQIEAKSSDGEL   248
consensus                                 !!!!!*!*!!!!!!!!!!!!!!!!!!!!!!!!!*!**!!!!!*!!*!!!!!!!*!!!!!!!!!!*!!!**!!!!**!*!!!!!!!!*!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 61872 SIR RS12265 WP 021002539.1  EINVFVPNVQTGIRLNYQTGEVTVTN   281
NTDB id 262 KZH43 RS08770 WP 001036779.1  EFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 221 SPD RS09380 WP 001036779.1    EFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 187 SPR RS08930 WP 001036779.1    EFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 152 SP RS09870 WP 001036779.1     EFNVLVPNVQKGLQLDYRTGEVTVTQ   274
consensus                                 !*!!*!!!!!*!**!*!*!!!!!!!*
```

X non conserved

X similar

X ≥50% conserved