```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 406317 GPA00 RS06360 WP 157327923.1  MAKKSNLSKKT.KSIISLLVLLV.GIGTGWVTTSDSSDPVSQVLSFVTGESSSVTSNHSSANESAPSQELAESVLTDSVK   78
NTDB id 262 KZH43 RS08770 WP 001036779.1     ......MNKKTRQTLIGLLVLLLLSTGSYYIKQ.MPSAPNSP..........KTNLSQKKQASEAPSQALAESVLTDAVK   63
NTDB id 221 SPD RS09380 WP 001036779.1       ......MNKKTRQTLIGLLVLLLLSTGSYYIKQ.MPSAPNSP..........KTNLSQKKQASEAPSQALAESVLTDAVK   63
NTDB id 187 SPR RS08930 WP 001036779.1       ......MNKKTRQTLIGLLVLLLLSTGSYYIKQ.MPSAPNSP..........KTNLSQKKQASEAPSQALAESVLTDAVK   63
NTDB id 152 SP RS09870 WP 001036779.1        ......MNKKTRQTLIGLLVLLLLSTGSYYIKQ.MPSAPNSP..........KTNLSQKKQASEAPSQALAESVLTDAVK   63
consensus                                          **!!!****!*!!!!!****!****** **!*!*!*          ************!!!!*!!!!!!!!*!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 406317 GPA00 RS06360 WP 157327923.1  AQLGSTIEWNGAGAYLVNGNKTSLNAKVASKPYADNKTKVVQGQSVPTVANALLSKSTRQYQSREETGNGSTSWTPAGWH  158
NTDB id 262 KZH43 RS08770 WP 001036779.1     SQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWH  143
NTDB id 221 SPD RS09380 WP 001036779.1       SQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWH  143
NTDB id 187 SPR RS08930 WP 001036779.1       SQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWH  143
NTDB id 152 SP RS09870 WP 001036779.1        SQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWH  143
consensus                                    *!*****!!!!*!!**!!!!!!*!*!!!!*!!!!!!!!!!*!****!!!!!!!!!!!*!!!!**!*!!!!!!!!!!!*!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 406317 GPA00 RS06360 WP 157327923.1  QVQNLSGTYSHAVDRGHLLGYALVGGLKGFDASTSNPENVATQTAWANEARSEDSTGQNYYEGLVRRALDQNKRVRYRVT  238
NTDB id 262 KZH43 RS08770 WP 001036779.1     QVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVT  223
NTDB id 221 SPD RS09380 WP 001036779.1       QVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVT  223
NTDB id 187 SPR RS08930 WP 001036779.1       QVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVT  223
NTDB id 152 SP RS09870 WP 001036779.1        QVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVT  223
consensus                                    !!*!!*!*!*!!!!!!!!!!!!!!!*!!!*!!!!!!!!!!*!*!*!!!!!!*!**!*!!!!!!!!!**!!*!!!!!!!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 406317 GPA00 RS06360 WP 157327923.1  LIYDGD.NILASGTHLEAKSSDGSLEFNVFVPNVQSGLTIDYYSGQVSVN.   287
NTDB id 262 KZH43 RS08770 WP 001036779.1     LYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 221 SPD RS09380 WP 001036779.1       LYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 187 SPR RS08930 WP 001036779.1       LYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 152 SP RS09870 WP 001036779.1        LYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
consensus                                    !*!********!****!!!!!!!*!!!!!*!!!!!*!!**!!**!*!*!**
```

X non conserved

X similar

X $\geq$ 50% conserved