```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 293211 DK182 RS04380 WP 019770933.1  MVKKSKSSMKREQKALLSLIGLVLVLLLGFVATNDKISNQNPIKHVAQQLTGQNQGRRRSSSSQEAPTQTLADSVMTQEV   80
NTDB id 262 KZH43 RS08770 WP 001036779.1     ..........MNKKTRQTLIGLLVLLLLSTGSYY...IKQMP.....SAPNSPKTNLSQKKQASEAPSQALAESVLTDAV   62
NTDB id 221 SPD RS09380 WP 001036779.1       ..........MNKKTRQTLIGLLVLLLLSTGSYY...IKQMP.....SAPNSPKTNLSQKKQASEAPSQALAESVLTDAV   62
NTDB id 187 SPR RS08930 WP 001036779.1       ..........MNKKTRQTLIGLLVLLLLSTGSYY...IKQMP.....SAPNSPKTNLSQKKQASEAPSQALAESVLTDAV   62
NTDB id 152 SP RS09870 WP 001036779.1        ..........MNKKTRQTLIGLLVLLLLSTGSYY...IKQMP.....SAPNSPKTNLSQKKQASEAPSQALAESVLTDAV   62
consensus                                                ***!****!!!!***!!!******   **!*!     *****************!!!*!*!!*!!*!**!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 293211 DK182 RS04380 WP 019770933.1  KNQLPEQMDWNGAGAYILNNNKTDLDAKVASNPYVNNQTKLIQGQTVPSQANALLAKSTRQYRNRQETGNGSTDWTPAGW  160
NTDB id 262 KZH43 RS08770 WP 001036779.1     KSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGW  142
NTDB id 221 SPD RS09380 WP 001036779.1       KSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGW  142
NTDB id 187 SPR RS08930 WP 001036779.1       KSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGW  142
NTDB id 152 SP RS09870 WP 001036779.1        KSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGW  142
consensus                                    !*!******!!!*!!*!*!*!!!*!!!!!*!*!!**!*!!*****!!!**!!!!!*!*!!!!*!!*!!!!!!!*!!!*!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 293211 DK182 RS04380 WP 019770933.1  HQKTNLSGAYDHAVDRGHLIAYALAGRLKGFDASTSNPANVAVQTAWANEASSSQSTGQNYYETLIRKALDKNKRVRYRV  240
NTDB id 262 KZH43 RS08770 WP 001036779.1     HQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRV  222
NTDB id 221 SPD RS09380 WP 001036779.1       HQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRV  222
NTDB id 187 SPR RS08930 WP 001036779.1       HQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRV  222
NTDB id 152 SP RS09870 WP 001036779.1        HQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRV  222
consensus                                    !!**!!*!*!*!!!!!!!!**!!!*!*!*!!!!!!!!!*!*!!!!!!!!!*!****!!!!!!!***!!!!!*!!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 293211 DK182 RS04380 WP 019770933.1  TLVYQE.DNLIASGSHLEAKSSDGSLEFNVFIPNVQKGISLDYYSGQVSPKS  291
NTDB id 262 KZH43 RS08770 WP 001036779.1     TLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 221 SPD RS09380 WP 001036779.1       TLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 187 SPR RS08930 WP 001036779.1       TLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 152 SP RS09870 WP 001036779.1        TLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
consensus                                    !!*!*****!**!*!**!!!!!!!*!!!!!**!!!!!!**!!!**!*!****
```

X non conserved

X similar

X $\geq$ 50% conserved