```
logo

NTDB id 257288 CWQ23 RS04560 WP 000163020.1  MTKKQKQITASIVTLLFSLLAIGLGESKSLPNDHILKQVTDLIISNESGKNTSLKNVSGTPSRELSESVLTSNVKKQLGT   80
NTDB id 262 KZH43 RS08770 WP 001036779.1     MNKKTRQTLIGLLV..LLLLSTGSYYIKQMPSAP..........NSPKTNLSQKKQASEAPSQALAESVLTDAVKSQIKG   68
NTDB id 221 SPD RS09380 WP 001036779.1       MNKKTRQTLIGLLV..LLLLSTGSYYIKQMPSAP..........NSPKTNLSQKKQASEAPSQALAESVLTDAVKSQIKG   68
NTDB id 187 SPR RS08930 WP 001036779.1       MNKKTRQTLIGLLV..LLLLSTGSYYIKQMPSAP..........NSPKTNLSQKKQASEAPSQALAESVLTDAVKSQIKG   68
NTDB id 152 SP RS09870 WP 001036779.1        MNKKTRQTLIGLLV..LLLLSTGSYYIKQMPSAP..........NSPKTNLSQKKQASEAPSQALAESVLTDAVKSQIKG   68
consensus                                    !*!!**!*******  **!!**!****!**!***          **********!**!**!!**!*!!!!!**!!*!***

logo

NTDB id 257288 CWQ23 RS04560 WP 000163020.1  NIAWNQSGAFIINQNKTDLNAKVSSAPYAINEIKKVNNQIVPTKANALLTKATRQYRNREETGNGRTYWKPAGWHQINGL  160
NTDB id 262 KZH43 RS08770 WP 001036779.1     SLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNL  148
NTDB id 221 SPD RS09380 WP 001036779.1       SLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNL  148
NTDB id 187 SPR RS08930 WP 001036779.1       SLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNL  148
NTDB id 152 SP RS09870 WP 001036779.1        SLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNL  148
consensus                                    ***!!*!!!!!*!*!!!*!*!!!!!*!!!*!**!*!****!!!*!!!!!*!!!!!!*!!*!!!!!*!*!*!*!!!!***!

logo

NTDB id 257288 CWQ23 RS04560 WP 000163020.1  KGSYNHAVDRGHLIGYALVGSLRGFDASTSNPKNIATQAAWANQANSNQSTGQNYYETLVRKALDRHKTVRYRVTLIYDR  240
NTDB id 262 KZH43 RS08770 WP 001036779.1     KGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYAS  228
NTDB id 221 SPD RS09380 WP 001036779.1       KGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYAS  228
NTDB id 187 SPR RS08930 WP 001036779.1       KGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYAS  228
NTDB id 152 SP RS09870 WP 001036779.1        KGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYAS  228
consensus                                    !!!!*!!!!!!!!*!!!!*!*!*!!!!!!!!!!!!!!*!*!!!!!!****!!!!!!!!**!!!!!!**!*!!!!!!!!*!**

logo

NTDB id 257288 CWQ23 RS04560 WP 000163020.1  .DNLLSSGSHIEAKSSDGSLEFNVFIPNVQSGLLFDYATGKVKQTK   285
NTDB id 262 KZH43 RS08770 WP 001036779.1     NEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 221 SPD RS09380 WP 001036779.1       NEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 187 SPR RS08930 WP 001036779.1       NEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
NTDB id 152 SP RS09870 WP 001036779.1        NEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ   274
consensus                                    ***!**!*!*!!!!!!!!*!!!!!**!!!!*!!**!!*!!*!**!*
```

X non conserved

X similar

X $\geq$ 50% conserved