```
logo

NTDB id 1120256 EL087 RS02990 WP 003040412.1  MARKKSNQKVAQSVAGVFLALVLALGGYSFSNYHNHSSTKHSDSTAINRSIRKNYAAPSQELAQSVLTESVKRQLKGKIE   80
NTDB id 262 KZH43 RS08770 WP 001036779.1      .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPK...TN.LSQKKQASEAPSQALAESVLTDAVKSQIKGSLE   71
NTDB id 221 SPD RS09380 WP 001036779.1        .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPK...TN.LSQKKQASEAPSQALAESVLTDAVKSQIKGSLE   71
NTDB id 187 SPR RS08930 WP 001036779.1        .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPK...TN.LSQKKQASEAPSQALAESVLTDAVKSQIKGSLE   71
NTDB id 152 SP RS09870 WP 001036779.1         .....MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPK...TN.LSQKKQASEAPSQALAESVLTDAVKSQIKGSLE   71
consensus                                         *!*!**!***!****!*!**!*!*************   !* *********!!!!*!!*!!!!**!!*!*!!**!

logo

NTDB id 1120256 EL087 RS02990 WP 003040412.1  WNGAGAFIVNENKNDLDAKVGSIPYADNKTKLVRGRTVPTVANALLSKTTRQYRSREETGNGSTTWTPAGWHQVKHLSGE  160
NTDB id 262 KZH43 RS08770 WP 001036779.1      WNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGS  151
NTDB id 221 SPD RS09380 WP 001036779.1        WNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGS  151
NTDB id 187 SPR RS08930 WP 001036779.1        WNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGS  151
NTDB id 152 SP RS09870 WP 001036779.1         WNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLKGS  151
consensus                                     !!!*!!!!!!*!!**!!!!!*!*!!!!!!!!*!***!!!!!!!!!!!!!*!!!!**!*!!!!!!!*!!!*!!!!!!*!*!*

logo

NTDB id 1120256 EL087 RS02990 WP 003040412.1  YNHAVDRGHLLGYALIGNLKGFDASTSNPKNIAVQTAWANQANTSHSTGQNFYETKVRKALDKNKRVRYRVTLIYANEQD  240
NTDB id 262 KZH43 RS08770 WP 001036779.1      YTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNED  231
NTDB id 221 SPD RS09380 WP 001036779.1        YTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNED  231
NTDB id 187 SPR RS08930 WP 001036779.1        YTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNED  231
NTDB id 152 SP RS09870 WP 001036779.1         YTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNED  231
consensus                                     !*!!!!!!!!!!!!!!!!*!*!!!!!!!!!!!!!!!!!!!!!!!!****!!!!!*!!*!!!!!!!*!!!!!!!!!!!*!!***!

logo

NTDB id 1120256 EL087 RS02990 WP 003040412.1  LVPVGSHIEAKSSDSSLEMNVFVPNVQTGLRLNYQTGEVTVTN  283
NTDB id 262 KZH43 RS08770 WP 001036779.1      LVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 221 SPD RS09380 WP 001036779.1        LVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 187 SPR RS08930 WP 001036779.1        LVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 152 SP RS09870 WP 001036779.1         LVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
consensus                                     !!!**!*!!!!!!!**!!*!!*!!!!!*!!*!*!*!!!!!!!*
```

X non conserved

X similar

X ≥ 50% conserved