```
logo
NTDB id 1130448 STHERMO RS05515 WP 011681210.1  MAKRKTSLTNKQKRQLVTLIIAALIAVLGYLGTSNKLSPDNPIRQVASLVSGKSNKSIKSNGSTNSQSTPQEQLAETVMT   80
NTDB id 262 KZH43 RS08770 WP 001036779.1        .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLT   59
NTDB id 221 SPD RS09380 WP 001036779.1          .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLT   59
NTDB id 187 SPR RS08930 WP 001036779.1          .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLT   59
NTDB id 152 SP RS09870 WP 001036779.1           .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLT   59
consensus                                              ***!****!**!****!*****!********!**!***               **********!***!!!*!*!

logo
NTDB id 1130448 STHERMO RS05515 WP 011681210.1  SSVKSQLGNSLEWNGAGAYIINRNKTNLNAKVSSQPYANNQVKTVQGQTVPTVANALLSKATRQYKNRQETGNGSTSWTP  160
NTDB id 262 KZH43 RS08770 WP 001036779.1        DAVKSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTP  139
NTDB id 221 SPD RS09380 WP 001036779.1          DAVKSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTP  139
NTDB id 187 SPR RS08930 WP 001036779.1          DAVKSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTP  139
NTDB id 152 SP RS09870 WP 001036779.1           DAVKSQIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTP  139
consensus                                       **!!!!***!!!!!!*!!*!*!*!!!!!*!!!!!*!!!*!**!!!***!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!

logo
NTDB id 1130448 STHERMO RS05515 WP 011681210.1  AGWHQVQNLSGEYSHAVDRGHLLGYALIGGLKGFDASTSNPENIAVQTAWANQAYSDSSTGQNYYESLVRKALDKNKRVR  240
NTDB id 262 KZH43 RS08770 WP 001036779.1        PGWHQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVR  219
NTDB id 221 SPD RS09380 WP 001036779.1          PGWHQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVR  219
NTDB id 187 SPR RS08930 WP 001036779.1          PGWHQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVR  219
NTDB id 152 SP RS09870 WP 001036779.1           PGWHQVKNLKGSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVR  219
consensus                                       *!!!!!*!!*!*!*!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!*!!!!!!!!!!!!!!****!!!!!!!!!!*!!!!!!*!!!!!

logo
NTDB id 1130448 STHERMO RS05515 WP 011681210.1  YRVTLIYEG.ENLIPSGTHLEAKSADGSLEFNVFVPNVQEGITLDYYSGKVTVN.  293
NTDB id 262 KZH43 RS08770 WP 001036779.1        YRVTLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 221 SPD RS09380 WP 001036779.1          YRVTLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 187 SPR RS08930 WP 001036779.1          YRVTLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 152 SP RS09870 WP 001036779.1           YRVTLYYASNEDLVPSASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
consensus                                       !!!!!*!***!*!*!!****!!!!*!!*!!!!!!*!!!!!*!**!!!**!*!!!**
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X non conserved

X similar

X $\geq$ 50% conserved