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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 23970 STR RS05490 WP 011226089.1  MAKRKTSLTNKQKRQLVTLIIAALIAVLGYLGTSNKLSPDNPIRQVASLVAGKSNKSIKSNGSTNSQSTPQEQLAETVMTSSVKS  85
NTDB id 262 KZH43 RS08770 WP 001036779.1  .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLTDAVKS  64
NTDB id 221 SPD RS09380 WP 001036779.1    .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLTDAVKS  64
NTDB id 187 SPR RS08930 WP 001036779.1    .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLTDAVKS  64
NTDB id 152 SP RS09870 WP 001036779.1     .......MNKKTRQTLIGLLVLLLLSTGSYYIKQMPSAPNSPKTN...............LSQKKQASEAPSQALAESVLTDAVKS  64
consensus                                        ***!****!**!****!*****!********!**!***                **********!***!!!*!*!**!!!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 23970 STR RS05490 WP 011226089.1  QLGNSLEWNGAGAYIINRNKTNLNAKVSSQPYANNQVKTVQGQTVPTVANALLSKATRQYKNRQETGNGSTSWTPAGWHQVQNLS  170
NTDB id 262 KZH43 RS08770 WP 001036779.1  QIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLK  149
NTDB id 221 SPD RS09380 WP 001036779.1    QIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLK  149
NTDB id 187 SPR RS08930 WP 001036779.1    QIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLK  149
NTDB id 152 SP RS09870 WP 001036779.1     QIKGSLEWNGSGAFIVNGNKTNLDAKVSSKPYADNKTKTVGKETVPTVANALLSKATRQYKNRKETGNGSTSWTPPGWHQVKNLK  149
consensus                                 !***!!!!!!*!!*!*!*!!!!!*!!!!!*!!!*!**!!!***!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!*!!!!!*!!*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 23970 STR RS05490 WP 011226089.1  GEYSHAVDRGHLLGYALIGGLKGFDASTSNPENIAVQTAWANQAYSDSSTGQNYYESLVRKALDKNKRVRYRVTLIYEG.ENLIP  254
NTDB id 262 KZH43 RS08770 WP 001036779.1  GSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVP  234
NTDB id 221 SPD RS09380 WP 001036779.1    GSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVP  234
NTDB id 187 SPR RS08930 WP 001036779.1    GSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVP  234
NTDB id 152 SP RS09870 WP 001036779.1     GSYTHAVDRGHLLGYALIGGLDGFDASTSNPKNIAVQTAWANQAQAEYSTGQNYYESKVRKALDQNKRVRYRVTLYYASNEDLVP  234
consensus                                 !*!*!!!!!!!!!!!!!!!!!!*!!!!!!!!!!*!!!!!!!!!!!!!****!!!!!!!!!*!!!!!!!*!!!!!!!!!!*!***!*!*!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 23970 STR RS05490 WP 011226089.1  SGTHLEAKSADGSLEFNVFVPNVQEGITLDYYSGKVTVN.  293
NTDB id 262 KZH43 RS08770 WP 001036779.1  SASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 221 SPD RS09380 WP 001036779.1    SASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 187 SPR RS08930 WP 001036779.1    SASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
NTDB id 152 SP RS09870 WP 001036779.1     SASQIEAKSSDGELEFNVLVPNVQKGLQLDYRTGEVTVTQ  274
consensus                                 !****!!!!*!!*!!!!!*!!!!!*!**!!!**!*!!!**
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X non conserved
X similar
X ≥50% conserved