```
logo
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 583 DLJ51 RS09560 WP 002962590.1     ....MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQD.GER..QADFVNVVFWGKLAESLVSYAGKGSLVSL   73
NTDB id 158 SP RS09595 WP 000282442.1        ....MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQN.GER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 405062 GOM46 RS02810 WP 235083952.1  ....MINNVVLVGRMVRDAELRYTPSNVAVATFTLAVNRTFKSQN.GER..EADFINVVMWRQQAENLANWAKKGSLIGV   73
NTDB id 624 LCA RS00040 WP 011373726.1       ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.GDR..EADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 113 BSU 40900 NP 391970.1            ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.GER..EADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 112 BSU 36310 NP 391512.2            ....MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNAS.GEI..EADYVNCTLWRKTAENTALYCQKGSLVGV   73
consensus                                        **!*!***!***  ******** * *!*  **!******    !**  ************ !!  * * *!!!** *

logo
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAAQQGGMPAQGGM....NV..PAQ........QGSWGQPQQPAK  146
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGW.NQA..PAQTNY....NQGGYSDNYAQNN  147
NTDB id 583 DLJ51 RS09560 WP 002962590.1     DGEIRTRHYEK.DGQTHYVTEILA....QSFQLLESRAQRALRENNGASD..............................  118
NTDB id 158 SP RS09595 WP 000282442.1        DGELRTRRFEK.NGQMNYVTEVLV....TGFQLLESRAQRAMRENNAGQD..............................  118
NTDB id 405062 GOM46 RS02810 WP 235083952.1  TGRIQTRSYDNQQGQRVYVTEVVA....ENFQMLESRSVREGQTGGTHSAP.................SSNYSSPTQS..  130
NTDB id 624 LCA RS00040 WP 011373726.1       DGRLQTRNYENQQGQRVYVTEVVV....DNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGN  142
NTDB id 113 BSU 40900 NP 391970.1            DGRLQTRNYENQQGQRVFVTEVQA....ESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQR  144
NTDB id 112 BSU 36310 NP 391512.2            SGRIQTRSYENEEGVNVYVTEVLA....DTVRFMDPKPREKAAD.................................  113
consensus                                    *!***!! ** **!*  **!!***    *  ******   *   *  *                        *

logo
NTDB id 1166 A1552VC RS00795 WP 000168289.1  QHQ..PMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 1390 A4U84 RS00055 WP 021115958.1    NFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 583 DLJ51 RS09560 WP 002962590.1     ....................LTDLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1        ....................LADLVLEEEELPF   131
NTDB id 405062 GOM46 RS02810 WP 235083952.1  ......APDFSRDENPFG.TTNPLDISDDDLPF   156
NTDB id 624 LCA RS00040 WP 011373726.1       .....APAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1            .....RNQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2            ................................   113
consensus                                                         * * ******
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X non conserved

X similar

X $\geq$ 50% conserved