```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1184 GTF74 RS02335 WP 000649326.1     ...MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTA.    76
NTDB id 1167 A1552VC RS11065 WP 000649326.1   ...MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTA.    76
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    ...MKAYKNKQQKGFTLIELMIVVAVIGVLAAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPATTAGTA.    76
NTDB id 1197 PSJM300 03940 AFN76866.1         ......MKAQMQKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGFEQAINEGKTPS.LTSTD..    71
NTDB id 1192 PAKAF RS23870 WP 024947914.1     ........MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEEALSRGWSVK.SGTGTED    71
NTDB id 1109 OK783 RS10670 WP 157147416.1     .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPKDNTSAGV    73
NTDB id 1119 NGFG RS11465 WP 017147169.1      .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGKWPENNTSAGV    73
NTDB id 1191 AAC28468.1 484..945( )           ......MLKKVQKGFTLIELMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSFPNAAALVA.    73
NTDB id 40929 METME RS16640 WP 013819917.1    ...MNMQMKKVQQGFTLIELMIVVAIIGILAAVAIPAYQDYTIRAKVTEGLSLASAAKLAVADAYAAGVATASLDSTADG    77
NTDB id 1424 RS RS02795 WP 011000517.1        MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSV......    74
NTDB id 1002 ACIAD RS15100 WP 004923779.1     ........MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAGTPSTAG    72
NTDB id 1274 LPP RS09530 WP 011214168.1       ........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGY    71
NTDB id 1258 GC085 RS09745 WP 014844212.1     ........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGY    71
consensus                                                !*!!!!!!!!!!*!**!*!!!*!*!*!**!* ** *****      ** * *        *      *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1184 GTF74 RS02335 WP 000649326.1     ...........AGFTRLGTV...EDMGDGKIV..IAPTASGALGGTIKYTFDA....GVVSSSKIQLA............    124
NTDB id 1167 A1552VC RS11065 WP 000649326.1   ...........AGFTRLGTV...EDMGDGKIV..IAPTASGALGGTIKYTFDA....GVVSSSKIQLA............    124
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    ...........AGFTRLGTV...EDMGDGKIV..IAPTASGALGGTIKYTFDA....GVVSSSKIQLA............    124
NTDB id 1197 PSJM300 03940 AFN76866.1         ....EGYIGITDS.TSYCDVDLD.TAADGHI.....EC..TAKGG......NA....GKFDGKTITLN............    116
NTDB id 1192 PAKAF RS23870 WP 024947914.1     ATKKEVPLGVAADANKLGTIALKPDPADGTAD..ITLT..FTMGG......AG....PKNKGKIITLT............    125
NTDB id 1109 OK783 RS10670 WP 157147416.1     .........ASA............STIKGKYVQKVEVA.....KGVVTAQMASTGVNKEIQDKKLSLW..........AK    117
NTDB id 1119 NGFG RS11465 WP 017147169.1      .........ASP............PTDIKGKYVKEVEVK.....NGVVTATMLSSGVNNEIKGKKLSLW..........GR    118
NTDB id 1191 AAC28468.1 484..945( )           .....GNVIFDS............ANGLDGKYFAPGG.VTVTPDTGAINIAFD.AGAN...AGKTMTITPTVIA.......    125
NTDB id 40929 METME RS16640 WP 013819917.1    S....GPLGYKQ............PAATTQ..VSSITVA.....DGVISVSFNDLGGG...VQPNLTLAPTF.........    123
NTDB id 1424 RS RS02795 WP 011000517.1        .....GSSVF..............TPTKN..VANLTIAGTGTVPGQITVTYT.TAAG....GGTLALVPTAAGTALPVSS    128
NTDB id 1002 ACIAD RS15100 WP 004923779.1     S.SCVGVQEISA............SNATTN..VATA..TCGASSAGQIIVTMDTTKAK....GANITLTPT..........    122
NTDB id 1274 LPP RS09530 WP 011214168.1       V..........S............PAATPN..VASI..AIGA..NGVITITY.TAAAG....GGTIVMTPTL.........    110
NTDB id 1258 GC085 RS09745 WP 014844212.1     V..........S............PAATPN..VQSI..AIGA..NGVITITY.TAAAG....GGTIIMTPTL.........    110
consensus                                                                   *  *  *         !  *  **          *  * *

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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1184 GTF74 RS02335 WP 000649326.1     R.DANGLWTCSTTV..................TSEIAPKGCTAGATIN.    153
NTDB id 1167 A1552VC RS11065 WP 000649326.1   R.DANGLWTCSTTV..................TSEIAPKGCTAGATIN.    153
NTDB id 1160 ABDM36 RS02330 WP 000649326.1    R.DANGLWTCSTTV..................TSEIAPKGCTAGATIN.    153
NTDB id 1197 PSJM300 03940 AFN76866.1         R.TADGEWSCASTL..................DAKYKPGKCS.......    139
NTDB id 1192 PAKAF RS23870 WP 024947914.1     RTAADGLWKCTSDQ..................DEQFIPKGCSK......    150
NTDB id 1109 OK783 RS10670 WP 157147416.1     RQDGSVKWFCGQPVTRTGDNDDTVADANNAIDTKHLPSTCRDESSAT.    164
NTDB id 1119 NGFG RS11465 WP 017147169.1      RENGSVKWFCGQPVTRADDDTVADAKDGKEIDTKHLPSTCRDKASDAK    166
NTDB id 1191 AAC28468.1 484..945( )           ASGQISTWTCAPGAAN.............GIETRRLPTSCQ*......    153
NTDB id 40929 METME RS16640 WP 013819917.1    SAGEPIQWLCRPAV...............AASSKYMPANCRS......    150
NTDB id 1424 RS RS02795 WP 011000517.1        APSGPIMWTCYAQNKAQAASS.VAPSGTMSLAAKYAPAECR.......    168
NTDB id 1002 ACIAD RS15100 WP 004923779.1     YASGAVTWKCTTT...............S.DKKYVPSECRG......    147
NTDB id 1274 LPP RS09530 WP 011214168.1       QANGDVTWTCTGG...............TLLAKYRPASCRP......    136
NTDB id 1258 GC085 RS09745 WP 014844212.1     QANGDVTWTCTGG...............TLLAKYRPASCRP......    136
consensus                                        *   !*!                     *  !  !
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X non conserved
X similar
X $\geq$ 50% conserved