```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1191 AAC28468.1 484..945( )          .....MLKKVQKGFTLIELMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSFPNAAALVAG   74
NTDB id 47893 NMBG2136 RS01185 WP 002244388.1 .......MKAIQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQMSEALTLAEGQKSAVVEYYSDNGTFPANNTSA..   71
NTDB id 1109 OK783 RS10670 WP 157147416.1    .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPKDNTSA..   71
NTDB id 1119 NGFG RS11465 WP 017147169.1     .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGKWPENNTSA..   71
NTDB id 1188 NELON RS01755 WP 003772458.1    .......MKAMQKGFTLIELMIVIAIIGILAAIALPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMTAAAKAF   73
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
NTDB id 1204 PSJM300 03935 AFN76865.1        ....MKPVKSSCRGFSLIELMIVVAIIGILAAIALPAYQNYTVRSTAASALAEITPAKAAFEQA.ISEGHTPSLVSSLPG   75
NTDB id 1038 HON27 RS01510 WP 000993725.1    ........MNAQKGFTLIELMIVVAIIGILAAIAIPQYQNYIAKSQVNSGFSEISSIKTGYENA.VNEGAVPTKLSDVGF   71
NTDB id 1079 FDQ49 RS11140 WP 022575996.1    ........MNAQKGFTLIELMIVVAIIGILAAIAIPAYQNYIAKSQASEAFTLADGLKTTINTN.LQAGTCFAGGAT..A   69
consensus                                                **!!*!!!!!!!*!!*!!!!!*!*!*!**!* ** ********   ******  *  *  *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1191 AAC28468.1 484..945( )          NVIFDSA..........NGLDGKYFAPGGVTVTP.DTGAINIAFD.AG.......AN.AGKTMTITPTVIA.......AS   127
NTDB id 47893 NMBG2136 RS01185 WP 002244388.1 ...........GIAAS.STITGKYVSSVAVTAEASGNASIAKITA.KMKKNGVNKDI.SEKTLVLV..........GKQN   127
NTDB id 1109 OK783 RS10670 WP 157147416.1    ...........GVASA.STIKGKYVQKVEVAK........GVVTA.QMASTGVNKEI.QDKKLSLW..........AKRQ   119
NTDB id 1119 NGFG RS11465 WP 017147169.1     ...........GVASPPTDIKGKYVKEVEVKN........GVVTA.TMLSSGVNNEI.KGKKLSLW..........GRRE   120
NTDB id 1188 NELON RS01755 WP 003772458.1    NKTAAAGGGAGGAAAAGTQHASKYVKSV..KVTEASPWDITVAIS.ATEANGIPTGL.DGNTIRLFPLVNK.AVP.AATS   147
NTDB id 1424 RS RS02795 WP 011000517.1       ...........GSSVF...TPTKNVANLTIAGTGTVPGQITVTYT..T.......AA.GGGTLALVPTAAGTALPVSSAP   130
NTDB id 1002 ACIAD RS15100 WP 004923779.1    S.......SCVGVQEISASNATTNVATA..TCGASSAGQIIVTMD.TT.......KA.KGANITLTPT..........YA   124
NTDB id 1274 LPP RS09530 WP 011214168.1      V................SPAATPNVASI..AIGA..NGVITITY..TA.......AA.GGGTIVMTPTL.........QA   112
NTDB id 1258 GC085 RS09745 WP 014844212.1    V................SPAATPNVQSI..AIGA..NGVITITY..TA.......AA.GGGTIIMTPTL.........QA   112
NTDB id 1204 PSJM300 03935 AFN76865.1        FIGI.............G.ASTNYCTVTLI...ATATGSITCTTQN.....GMPDRF.NGKTITIA...........RTT   121
NTDB id 1038 HON27 RS01510 WP 000993725.1    TAAT.............SSVCATYSIDAFT..ETDGAGKITCTLKGNP.......KI.ATKIVELT...........RST   117
NTDB id 1079 FDQ49 RS11140 WP 022575996.1    VTAA.............DKVSGKYGDAEI......GGTAPNCTITYTFKSSGVSNKLTSTKIV.MN...........VSE   118
consensus                                                     *    ***  *          * * **                 **** *

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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1191 AAC28468.1 484..945( )          GQISTWTCAPG................AANGIETRRLPTSCQ*...........   153
NTDB id 47893 NMBG2136 RS01185 WP 002244388.1 SGSFSWTCQKG...................DVDEKFLPSSCRAK..........   152
NTDB id 1109 OK783 RS10670 WP 157147416.1    DGSVKWFCGQPVTRTGDNDDTVA..DANNAIDTKHLPSTCRDESSAT......   164
NTDB id 1119 NGFG RS11465 WP 017147169.1     NGSVKWFCGQPVTRADDDTVADA..KDGKEIDTKHLPSTCRDKASDAK.....   166
NTDB id 1188 NELON RS01755 WP 003772458.1    TGAIDWACASAAKETADKRFGTGSGVAVGTLPAKYAPSECK............   188
NTDB id 1424 RS RS02795 WP 011000517.1       SGPIMWTCYAQNKAQAASSVAPS...GTMSLAAKYAPAECR............   168
NTDB id 1002 ACIAD RS15100 WP 004923779.1    SGAVTWKCTTT...................S.DKKYVPSECRG...........   147
NTDB id 1274 LPP RS09530 WP 011214168.1      NGDVTWTCTGG...................TLLAKYRPASCRP...........   136
NTDB id 1258 GC085 RS09745 WP 014844212.1    NGDVTWTCTGG...................TLLAKYRPASCRP...........   136
NTDB id 1204 PSJM300 03935 AFN76865.1        DGLW..DCTS....................DLDSRYKPGKCL............   141
NTDB id 1038 HON27 RS01510 WP 000993725.1    DGAW..TCVS....................DVPTEFLPKGCTAGTPTEGAITSL   149
NTDB id 1079 FDQ49 RS11140 WP 022575996.1    TGILTKNSGT....................DTPVELLPQSFVAS..........   142
consensus                                     * * * *                       *  ***! ***
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X non conserved
X similar
X $\geq$50% conserved