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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1192 PAKAF RS23870 WP 024947914.1   ........MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEEALS.RGWSVKSGTGTE...DAT    73
NTDB id 1197 PSJM300 03940 AFN76866.1       ......MKAQMQKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGFEQAIN.EGKTPSLTSTD.......    71
NTDB id 1191 AAC28468.1 484..945( )         ......MLKKVQKGFTLIELMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSFPNAAALVAGNVIFD    79
NTDB id 128994 LA50 RS04885 WP 002220239.1  .......MKAIQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQMSEALTLAEGQKSAVVEYYSDNGTFPNSN..........    68
NTDB id 1119 NGFG RS11465 WP 017147169.1    .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGKWPENN..........    68
NTDB id 1109 OK783 RS10670 WP 157147416.1   .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPKDN..........    68
NTDB id 1400 DSB67 RS12660 WP 010643261.1   ...MKTNKQKKQQGFTLIELMIVVAIIGILAALAIPAYQDYTKKATMAEFPKIASSTKLAVELCAHEHAADAG.....AFKTKC.    76
NTDB id 1188 NELON RS01755 WP 003772458.1   .......MKAMQKGFTLIELMIVIAIIGILAAIALPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMTAAAKAFNKTAA    78
NTDB id 1424 RS RS02795 WP 011000517.1      MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSV...........    74
NTDB id 1002 ACIAD RS15100 WP 004923779.1   ........MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAGTPSTAGS....    73
NTDB id 1274 LPP RS09530 WP 011214168.1     .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGYV....    72
NTDB id 1258 GCO85 RS09745 WP 014844212.1   .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGYV....    72
consensus                                              *!*!!!!!!!!!!*!!*!!!!!*!*!*!**!* ** ***** **    ******     *  *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1192 PAKAF RS23870 WP 024947914.1   KKEVPLGVAADANKLGTIALKP......DPADGTADITLTFTMG...GAGPKNKGKIITLTR............TAADGLWKCTS   137
NTDB id 1197 PSJM300 03940 AFN76866.1       ..EGYIGITDS.TSYCDVDLD.......TAADGHI...ECTAKG...GNAGKFDGKTITLNR.............TADGEWSCAS   127
NTDB id 1191 AAC28468.1 484..945( )         S..........ANGLDGKYFAPGGVTVT.PDTGAI..NIAFDAG.......ANAGKTMTITPTVIA.......ASGQISTWTCAP   137
NTDB id 128994 LA50 RS04885 WP 002220239.1  ...TSAGIAAS.NEIKGKYVASVKVEGNA.SVASI..TATMNSS...NVNKDIKGKTLV..........LVGKQNSGSFSWECKK   133
NTDB id 1119 NGFG RS11465 WP 017147169.1    ...TSAGVASPPTDIKGKYVKEVEVKNG.....VV..TATMLSS...GVNNEIKGKKLS..........LWGRRENGSVKWFCGQ   130
NTDB id 1109 OK783 RS10670 WP 157147416.1   ...TSAGVASA.STIKGKYVQKVEVAKG.....VV..TAQMAST...GVNKEIQDKKLS..........LWAKRQDGSVKWFCGQ   129
NTDB id 1400 DSB67 RS12660 WP 010643261.1   .HQTANGIPAA...FTLNNL.TVT.PAAGAASGAI..SITVNAANDKG........PIKQ....NEKYILTATYASNGVTWSSEC   141
NTDB id 1188 NELON RS01755 WP 003772458.1   AGGGAGGAAAAGTQHASKYVKSV..KVTEASPWDI..TVAISATEANGIPTGLDGNTIRLFPLVNK.AVP.AATSTGAIDWACAS   157
NTDB id 1424 RS RS02795 WP 011000517.1      ......GSSVF...TPTKNVANLTIAGTGTVPGQI..TVTYT.T.......AAGGGTLALVPTAAGTALPVSSAPSGPIMWTCYA   140
NTDB id 1002 ACIAD RS15100 WP 004923779.1   ...SCVGVQEISASNATTNVATA..TCGASSAGQI..IVTMDTT.......KAKGANITLTPT..........YASGAVTWKCTT   134
NTDB id 1274 LPP RS09530 WP 011214168.1     ............SPAATPNVASI..AIGA..NGVI..TITY.TA.......AAGGGTIVMTPTL.........QANGDVTWTCTG   122
NTDB id 1258 GCO85 RS09745 WP 014844212.1   ............SPAATPNVQSI..AIGA..NGVI..TITY.TA.......AAGGGTIIMTPTL.........QANGDVTWTCTG   122
consensus                                         **           *  *         * *  ***             * ** *                * * ! *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1192 PAKAF RS23870 WP 024947914.1   D....................QDEQFIPKGCSK......   150
NTDB id 1197 PSJM300 03940 AFN76866.1       T....................LDAKYKPGKCS.......   139
NTDB id 1191 AAC28468.1 484..945( )         GA................ANGIETRRLPTSCQ*......   153
NTDB id 128994 LA50 RS04885 WP 002220239.1  G....................SVDEKFLPSTCRTK.....   148
NTDB id 1119 NGFG RS11465 WP 017147169.1    PVTRADDDTVADA..KDGKEIDTKHLPSTCRDKASDAK   166
NTDB id 1109 OK783 RS10670 WP 157147416.1   PVTRTGDNDDTVA..DANNAIDTKHLPSTCRDESSAT.   164
NTDB id 1400 DSB67 RS12660 WP 010643261.1   KDATN...............AVQTSYCP...........   154
NTDB id 1188 NELON RS01755 WP 003772458.1   AAKETADKRFGTGSGVAVGTLPAKYAPSECK.......   188
NTDB id 1424 RS RS02795 WP 011000517.1      QNKAQAASSVAPS...GTMSLAAKYAPAECR.......   168
NTDB id 1002 ACIAD RS15100 WP 004923779.1   T....................S.DKKYVPSECRG......   147
NTDB id 1274 LPP RS09530 WP 011214168.1     G....................TLLAKYRPASCRP......   136
NTDB id 1258 GCO85 RS09745 WP 014844212.1   G....................TLLAKYRPASCRP......   136
consensus                                                          ** ** !  **
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X non conserved
X similar
X $\geq$ 50% conserved