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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1038 HON27 RS01510 WP 000993725.1      .......MNAQKGFTLIELMIVVAIIGILAAIAIPQYQNYIAKSQVNSGFSEISSIKTGYEN.AVNEGAVPTKLSDV..    69
NTDB id 1192 PAKAF RS23870 WP 024947914.1      .......MKAQKGFTLIELMIVVAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEE.ALSRGWSVKSGTGTED    71
NTDB id 1197 PSJM300 03940 AFN76866.1          .....MKAQMQKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGFEQ.AINEGKTPSLTSTDE.    72
NTDB id 1204 PSJM300 03935 AFN76865.1          ....MKPVKSSCRGFSLIELMIVVAIIGILAAIALPAYQNYTVRSTAASALAEITPAKAAFEQ.AISEGHTPSLVSSLP.    74
NTDB id 1109 OK783 RS10670 WP 157147416.1      .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPKDNTS...    70
NTDB id 1119 NGFG RS11465 WP 017147169.1       .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGKWPENNTS...    70
NTDB id 1191 AAC28468.1 484..945( )            ......MLKKVQKGFTLIELMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSFPNAAALVAG    74
NTDB id 1188 NELON RS01755 WP 003772458.1      .......MKAMQKGFTLIELMIVIAIIGILAAIALPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMTAAAKAF    73
NTDB id 1424 RS RS02795 WP 011000517.1         MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSVG.....    75
NTDB id 1000283 ABFU51 RS05210 WP 323539945.1 ........MKKQQGFTLIELMIVVAIIAILAAIALPAYQDYTTRAKLSEALTMSAPAKLAVTETASSLGGLTNVTAANS.    71
NTDB id 1002 ACIAD RS15100 WP 004923779.1      ........MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAGTPSTA.    71
NTDB id 1258 GCO85 RS09745 WP 014844212.1      .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATG.    70
NTDB id 1274 LPP RS09530 WP 011214168.1        .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATG.    70
consensus                                                **!!*!!!!!!!*!!**!!!!*!*!*!**!* ** *****      * **** **  *  *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1038 HON27 RS01510 WP 000993725.1      ...........GFTAATSSVCATYSIDAFT..ETDGAGKIT.CTLK...G..NPKIATKIVELTRS.............T    117
NTDB id 1192 PAKAF RS23870 WP 024947914.1      A...TKKEVPLGVAADANKLGTIALKP..D..PADGTADITLTFTM...GGAGPKNKGKIITLTRT............AA    129
NTDB id 1197 PSJM300 03940 AFN76866.1          ........GYIGITDSTS.YCDVDLD...T..AADGH..IE.CTAK...GGNAGKFDGKTITLNRT.............A    119
NTDB id 1204 PSJM300 03935 AFN76865.1          ........GFIGIGASTN.YCTVTLI...A..TATGS..IT.CTTQ...NGMPDRFNGKTITIART.............T    121
NTDB id 1109 OK783 RS10670 WP 157147416.1      ..........AGVASA.STIKGKYVQKVEVA.....KGVVTAQMAST...GVNKEIQDKKLSLW..........AKRQDG    121
NTDB id 1119 NGFG RS11465 WP 017147169.1       ..........AGVASPPTDIKGKYVKEVEVK.....NGVVTATMLSS...GVNNEIKGKKLSLW..........GRRENG    122
NTDB id 1191 AAC28468.1 484..945( )            NVIFDSANGL..........DGKYFAPGGVT.VTPDTGAINIAFDAG.......ANAGKTMTITPTV.......IAASGQ    129
NTDB id 1188 NELON RS01755 WP 003772458.1      NKTAAAGGGAGGAAAAGTQHASKYVKSVKVT..EASPWDITVAISATEANGIPTGLDGNTIRLFPLV.NKAVP.AATSTG    149
NTDB id 1424 RS RS02795 WP 011000517.1         ......SSVF.........TPTKNVANLTIAGTGTVPGQITVTYTT........AAGGGTLALVPTAAGTALPVSSAPSG    132
NTDB id 1000283 ABFU51 RS05210 WP 323539945.1 ......GYAFPG........ATKYVSGITI...TSATGQVAVTSTV........PNATGTILLTPTD.........VGGG    117
NTDB id 1002 ACIAD RS15100 WP 004923779.1      ......GSSCVGVQEISASNATTNVATATC..GASSAGQIIVTMDTT.......KAKGANITLTP.T.........YASG    126
NTDB id 1258 GCO85 RS09745 WP 014844212.1      ......YV.........SPAATPNVQSIAI..G..ANGVITITYTA........AAGGGTIIMTPTL.........QANG    114
NTDB id 1274 LPP RS09530 WP 011214168.1        ......YV.........SPAATPNVASIAI..G..ANGVITITYTA........AAGGGTIVMTPTL.........QANG    114
consensus                                                 *          *  *    *       * ***                * ** *  *             *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1038 HON27 RS01510 WP 000993725.1      DGAWTCVSD....................VPTEFLPKGCTAGTPTEGAITSL    149
NTDB id 1192 PAKAF RS23870 WP 024947914.1      DGLWKCTSD....................QDEQFIPKGCSK............    150
NTDB id 1197 PSJM300 03940 AFN76866.1          DGEWSCAST....................LDAKYKPGKCS.............    139
NTDB id 1204 PSJM300 03935 AFN76865.1          DGLWDCTSD....................LDSRYKPGKCL.............    141
NTDB id 1109 OK783 RS10670 WP 157147416.1      SVKWFCGQPVTRTGDNDDTVA..DANNAIDTKHLPSTCRDESSAT......    164
NTDB id 1119 NGFG RS11465 WP 017147169.1       SVKWFCGQPVTRADDDTVADA..KDGKEIDTKHLPSTCRDKASDAK.....    166
NTDB id 1191 AAC28468.1 484..945( )            ISTWTCAPGAAN................GIETRRLPTSCQ*...........    153
NTDB id 1188 NELON RS01755 WP 003772458.1      AIDWACASAAKETADKRFGTGSGVAVGTLPAKYAPSECK............    188
NTDB id 1424 RS RS02795 WP 011000517.1         PIMWTCYAQNKAQAASSVAPS...GTMSLAAKYAPAECR............    168
NTDB id 1000283 ABFU51 RS05210 WP 323539945.1  QLRWTCSSA...................I.NVKYLPAECRNSGT........    141
NTDB id 1002 ACIAD RS15100 WP 004923779.1      AVTWKCTTT...................S.DKKYVPSECRG...........    147
NTDB id 1258 GCO85 RS09745 WP 014844212.1      DVTWTCTGG...................TLLAKYRPASCRP...........    136
NTDB id 1274 LPP RS09530 WP 011214168.1        DVTWTCTGG...................TLLAKYRPASCRP...........    136
consensus                                       * ! !                        *  ** !  !*
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X non conserved
X similar
X $\geq$50% conserved