```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 624 LCA RS00040 WP 011373726.1        ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNA.NGDR..EADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 112 BSU 36310 NP 391512.2             ....MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNA.SGEI..EADYVNCTLWRKTAENTALYCQKGSLVGV   73
NTDB id 1127630 FGL16 RS04430 WP 024405334.1  ....MINNVVLVGRLTRDVELRYTPSNQAVATFTLAVNRNFKNQSTGER..EADFINCVLWRQQAENLANWTKKGHLIAI   74
NTDB id 113 BSU 40900 NP 391970.1             ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQ.SGER..EADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 597 KW2 RS01935 WP 021036727.1        .....MNKTMLIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNE.KGER..EADFISIILWGKSAETLVSYAKKGSLISV   72
NTDB id 498 SM12261 RS01980 WP 000282464.1    ....MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGKLAESLASYATKGSLISV   73
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ....MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 158 SP RS09595 WP 000282442.1         ....MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 268 KZH43 RS08520 WP 000282467.1      ....MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 227 SPD RS09110 WP 000282467.1        ....MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 193 SPR RS08685 WP 000282467.1        ....MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 583 DLJ51 RS09560 WP 002962590.1      ....MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQ.DGER..QADFVNVVFWGKLAESLVSYAGKGSLVSL   73
NTDB id 409 SMU RS08940 WP 002263454.1        ....MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQ.DGEK..QADFVNVVLWGRLAETIASYGSKGSLISL   73
consensus                                        **!*****!*!*   *** ** * ***** **!****** *   !**   **************!!****** !!*****

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NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNV...........PAQQGSWGQPQQPAKQHQ   149
NTDB id 624 LCA RS00040 WP 011373726.1        DGRLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ.NFNSNQSNGS.......QQSGFTSPQQTGNAPA   145
NTDB id 112 BSU 36310 NP 391512.2             SGRIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
NTDB id 1127630 FGL16 RS04430 WP 024405334.1  TGRIQTRSYDNQQGQRVYVTEVVAESFQLLEKRDNSANYS...........................................   114
NTDB id 113 BSU 40900 NP 391970.1             DGRLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG......YNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQ   147
NTDB id 597 KW2 RS01935 WP 021036727.1        EGEIRTRNYTDKNEQKHYITEILGLSYDLLESRATLALRESAV......................................   115
NTDB id 498 SM12261 RS01980 WP 000282464.1    DGELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................   116
NTDB id 526 SMSK321 RS08825 WP 000282440.1    DGELRTRRFE.KNGQMNYVAEVLVTGFQLLESRAQRAMRENNAG.....................................   116
NTDB id 158 SP RS09595 WP 000282442.1         DGELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................   116
NTDB id 268 KZH43 RS08520 WP 000282467.1      DGELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................   116
NTDB id 227 SPD RS09110 WP 000282467.1        DGELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................   116
NTDB id 193 SPR RS08685 WP 000282467.1        DGELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................   116
NTDB id 583 DLJ51 RS09560 WP 002962590.1      DGEIRTRHYE.KDGQTHYVTEILAQSFQLLESRAQRALRENNGA.....................................   116
NTDB id 409 SMU RS08940 WP 002263454.1        DGELRTRKYE.KDGVTHFVTEVLGHSFQLLESRAQRAMRENNSE.....................................   116
consensus                                     *!***!!*** ****   ***!***   ******************

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NTDB id 1166 A1552VC RS00795 WP 000168289.1   PMQQSAPQQYSQPQYNEPPMD.FDDDIPF   177
NTDB id 624 LCA RS00040 WP 011373726.1        A....NNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2             ..............................   113
NTDB id 1127630 FGL16 RS04430 WP 024405334.1  .....NMDEQMPPNFAGQPMDMDDDDLPF   138
NTDB id 113 BSU 40900 NP 391970.1             G....NSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 597 KW2 RS01935 WP 021036727.1        ...............KTEELLLEADELPF   129
NTDB id 498 SM12261 RS01980 WP 000282464.1    ..............QDLADLVLEEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ..............QDLADLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1         ..............QDLADLVLEEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1      ..............QDLADLVLEEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1        ..............QDLADLVLEEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1        ..............QDLADLVLEEEELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1      ..............SDLTDLVLEEEELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1        ..............NDLADLVLEEEELPF   131
consensus                                                     *** **********
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X non conserved
X similar
X $\geq$ 50% conserved