```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1103 NMB RS07590 WP 002212976.1      MSLNKVILIGRLGRDPEVRYMPN.GEAVCNFSVATSETWNDRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEGRIQSRK    84
NTDB id 498 SM12261 RS01980 WP 000282464.1   .MYNKVIMIGRLTSTPELHKTNN.DKSVARATIAVNRRYKDQNGERE..ADFVNMVLWGKLAESLASYATKGSLISVDGELRTRR    81
NTDB id 526 SMSK321 RS08825 WP 000282440.1   .MYNKVILIGRLTSTPELHKTNN.DKSVARATIAVNRRYKDQNGERE..ADFVNMVLWGRLAETLASYATKGSLISVDGELRTRR    81
NTDB id 158 SP RS09595 WP 000282442.1        .MYNKVILIGRLTSTPELHKTNN.DKSVARATIAVNRRYKDQNGERE..ADFVNMVLWGRLAETLASYATKGSLISVDGELRTRR    81
NTDB id 268 KZH43 RS08520 WP 000282467.1     .MYNKVIMIGRLTSTPELHKTNN.DKSVARATIAVNRRYKDQNGERE..ADFVNMVLWGRLAETLASYATKGSLISVDGELRTRR    81
NTDB id 227 SPD RS09110 WP 000282467.1       .MYNKVIMIGRLTSTPELHKTNN.DKSVARATIAVNRRYKDQNGERE..ADFVNMVLWGRLAETLASYATKGSLISVDGELRTRR    81
NTDB id 193 SPR RS08685 WP 000282467.1       .MYNKVIMIGRLTSTPELHKTNN.DKSVARATIAVNRRYKDQNGERE..ADFVNMVLWGRLAETLASYATKGSLISVDGELRTRR    81
NTDB id 583 DLJ51 RS09560 WP 002962590.1     .MYNKVILIGRLTAAPEMVKTPS.NKSVTHITLAVNRRFKTQDGERQ..ADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTRH    81
NTDB id 409 SMU RS08940 WP 002263454.1       .MYNKVILIGRLVATPEMVKTPK.DKSVTRVTLAVNRRFKSQDGEKQ..ADFVNVVLWGRLAETIASYGSKGSLISLDGELRTRK    81
NTDB id 113 BSU 40900 NP 391970.1            .MLNRVVLVGRLTKDPELRYTPN.GAAVATFTLAVNRTFTNQSGERE..ADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRN    81
NTDB id 112 BSU 36310 NP 391512.2            .MFNQVMLVGRLTKDPDLRYTSA.GAAVAHVTLAVNRSFKNASGEIE..ADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRS    81
NTDB id 93683 LLL8 RS04275 WP 251900320.1    .MINNVVLVGRITRDPELRYTPQQNQAVATFSLAVNRQFKNANGERE..ADFINCVIWRQQAENLANWAKKGALIGVTGRIQTRS    82
NTDB id 624 LCA RS00040 WP 011373726.1       .MINRVVLVGRLTRDVDLRYTSS.GAAVGTFSMAVNRQFTNANGDRE..ADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRN    81
consensus                                     **!*!***!!**  *** ** *  **!*  **!****** **!***  ****!*******!!****** !!*!****!****!*

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NTDB id 1103 NMB RS07590 WP 002212976.1      YQGKDGIERTAYDIVANEMKMLGGRNENSGG..........APYEEGYGQSQEAYQRPAQQSRQPASDAPSHPQEAPAAPRRQPV   159
NTDB id 498 SM12261 RS01980 WP 000282464.1   FEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.......................................................   115
NTDB id 526 SMSK321 RS08825 WP 000282440.1   FEK.NGQMNYVAEVLVTGFQLLESRAQRAMRENNA.......................................................   115
NTDB id 158 SP RS09595 WP 000282442.1        FEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.......................................................   115
NTDB id 268 KZH43 RS08520 WP 000282467.1     FEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.......................................................   115
NTDB id 227 SPD RS09110 WP 000282467.1       FEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.......................................................   115
NTDB id 193 SPR RS08685 WP 000282467.1       FEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.......................................................   115
NTDB id 583 DLJ51 RS09560 WP 002962590.1     YEK.DGQTHYVTEILAQSFQLLESRAQRALRENNG.......................................................   115
NTDB id 409 SMU RS08940 WP 002263454.1       YEK.DGVTHFVTEVLGHSFQLLESRAQRAMRENNS.......................................................   115
NTDB id 113 BSU 40900 NP 391970.1            YENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQ...........GNSFNDD   154
NTDB id 112 BSU 36310 NP 391512.2            YENEEGVNVYVTEVLADTVRFMDPKPREKAAD..........................................................   113
NTDB id 93683 LLL8 RS04275 WP 251900320.1    YENQQGQRVYITEVVADSFQMLESKGGTKQNEESQNNTAPNFARND............................................   128
NTDB id 624 LCA RS00040 WP 011373726.1       YENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGA..SQNFNSNQSNGSQQSGFTSPQQTGNAPA...........ANNTQAD   152
consensus                                    *** *!*  ******   ****************

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NTDB id 1103 NMB RS07590 WP 002212976.1      ...PAAAPVEDIDDDIPF   174
NTDB id 498 SM12261 RS01980 WP 000282464.1   ..GQDLADLVLEEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1   ..GQDLADLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1        ..GQDLADLVLEEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1     ..GQDLADLVLEEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1       ..GQDLADLVLEEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1       ..GQDLADLVLEEEELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1     ..ASDLTDLVLEEEELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1       ..ENDLADLVLEEEELPF   131
NTDB id 113 BSU 40900 NP 391970.1            PFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2            ..................   113
NTDB id 93683 LLL8 RS04275 WP 251900320.1    ..SNDIPGTEISDDDLPF   144
NTDB id 624 LCA RS00040 WP 011373726.1       PFANNGQAIDISDDDLPF   170
consensus                                      ***************
```

X non conserved
X similar
X $\geq$ 50% conserved