```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1     MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG    80
NTDB id 112 BSU 36310 NP 391512.2             ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNAS.GE..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.GE..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
NTDB id 342186 ETT50 RS03275 WP 011285575.1   ..MINNIVLVGRMTKDAELRYTASQVAVATFTLAVNRRFKEQN.GE..READFINCVIWRQSAENLANWAKKGALIGVTG    75
NTDB id 624 LCA RS00040 WP 011373726.1        ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.GD..READFINCVIWRKSAENFANFTKKGSLVGVDG    75
NTDB id 597 KW2 RS01935 WP 021036727.1        ...MNKTMLIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEK.GE..READFISIILWGKSAETLVSYAKKGSLISVEG    74
NTDB id 498 SM12261 RS01980 WP 000282464.1    ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQN.GE..READFVNMVLWGKLAESLASYATKGSLISVDG    75
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ..MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQN.GE..READFVNMVLWGRLAETLASYATKGSLISVDG    75
NTDB id 158 SP RS09595 WP 000282442.1         ..MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQN.GE..READFVNMVLWGRLAETLASYATKGSLISVDG    75
NTDB id 268 KZH43 RS08520 WP 000282467.1      ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQN.GE..READFVNMVLWGRLAETLASYATKGSLISVDG    75
NTDB id 227 SPD RS09110 WP 000282467.1        ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQN.GE..READFVNMVLWGRLAETLASYATKGSLISVDG    75
NTDB id 193 SPR RS08685 WP 000282467.1        ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQN.GE..READFVNMVLWGRLAETLASYATKGSLISVDG    75
NTDB id 583 DLJ51 RS09560 WP 002962590.1      ..MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQD.GE..RQADFVNVVFWGKLAESLVSYAGKGSLVSLDG    75
NTDB id 409 SMU RS08940 WP 002263454.1        ..MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQD.GE..KQADFVNVVLWGRLAETIASYGSKGSLISLDG    75
consensus                                       **!*****!***  ***  **  * *****  **!*********  !*  ************!!******  !!******!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSG.WNQAPA.QTNYNQGGYSDNYAQNNNFNGGNATRPQ   158
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGS.....GGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNS   150
NTDB id 342186 ETT50 RS03275 WP 011285575.1   RIQTRNYENQQEQRVYVTEVVAESFQMLESRNSQQQSGQDNSSQN.................................   120
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANN   148
NTDB id 597 KW2 RS01935 WP 021036727.1        EIRTRNYTDKNEQKHYITEILGLSYDLLESRATLALRESAV.....................................   115
NTDB id 498 SM12261 RS01980 WP 000282464.1    ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG....................................   116
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ELRTRRFE.KNGQMNYVAEVLVTGFQLLESRAQRAMRENNAG....................................   116
NTDB id 158 SP RS09595 WP 000282442.1         ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG....................................   116
NTDB id 268 KZH43 RS08520 WP 000282467.1      ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG....................................   116
NTDB id 227 SPD RS09110 WP 000282467.1        ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG....................................   116
NTDB id 193 SPR RS08685 WP 000282467.1        ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG....................................   116
NTDB id 583 DLJ51 RS09560 WP 002962590.1      EIRTRHYE.KDGQTHYVTEILAQSFQLLESRAQRALRENNGA....................................   116
NTDB id 409 SMU RS08940 WP 002263454.1        ELRTRKYE.KDGVTHFVTEVLGHSFQLLESRAQRAMRENNSE....................................   116
consensus                                     ***!!*** ****  ***!**   ******************
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1     PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 112 BSU 36310 NP 391512.2             ......................   113
NTDB id 113 BSU 40900 NP 391970.1             FNDDPFANDGKPIDISDDDLPF   172
NTDB id 342186 ETT50 RS03275 WP 011285575.1   DNSQPFG.NSNPMDISDDDLPF   141
NTDB id 624 LCA RS00040 WP 011373726.1        TQADPFANNGQAIDISDDDLPF   170
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                                        *** **********
```

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