```
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 1137024 DQL30 RS02985 WP 111713674.1   ..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      KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGS.GWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATR...   156
NTDB id 112 BSU 36310 NP 391512.2              RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
NTDB id 113 BSU 40900 NP 391970.1              RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGN....SGGGQYFGGGQNDNPFGGNQNNQRRN   146
NTDB id 1137024 DQL30 RS02985 WP 111713674.1   RIQTRNYENQQEQRVYVTEVVAENFQMLESRNSQQQSGQDNSSQNDNSQ...............................   124
NTDB id 624 LCA RS00040 WP 011373726.1         RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQ....SNGS.......QQSGFTSPQQTGNAP   144
NTDB id 597 KW2 RS01935 WP 021036727.1         EIRTRNYTDKNEQKHYITEILGLSYDLLESRATLALRESAV......................................   115
NTDB id 498 SM12261 RS01980 WP 000282464.1     ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNA......................................   115
NTDB id 526 SMSK321 RS08825 WP 000282440.1     ELRTRRFE.KNGQMNYVAEVLVTGFQLLESRAQRAMRENNA......................................   115
NTDB id 158 SP RS09595 WP 000282442.1          ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNA......................................   115
NTDB id 268 KZH43 RS08520 WP 000282467.1       ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNA......................................   115
NTDB id 227 SPD RS09110 WP 000282467.1         ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNA......................................   115
NTDB id 193 SPR RS08685 WP 000282467.1         ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNA......................................   115
NTDB id 583 DLJ51 RS09560 WP 002962590.1       EIRTRHYE.KDGQTHYVTEILAQSFQLLESRAQRALRENNG......................................   115
NTDB id 409 SMU RS08940 WP 002263454.1         ELRTRKYE.KDGVTHFVTEVLGHSFQLLESRAQRAMRENNS......................................   115
consensus                                      ***!!*** ****  ***!**   ****************
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1      ..PQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 112 BSU 36310 NP 391512.2              ............................   113
NTDB id 113 BSU 40900 NP 391970.1              QGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 1137024 DQL30 RS02985 WP 111713674.1   ........S.FGNSSPMDISDDMLPF   141
NTDB id 624 LCA RS00040 WP 011373726.1         AANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 597 KW2 RS01935 WP 021036727.1         ............KTEELLLEADELPF   129
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
consensus                                                 **** **********
```

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