```
logo

NTDB id 113 BSU 40900 NP 391970.1                MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDG   75
NTDB id 624 LCA RS00040 WP 011373726.1           MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDG   75
NTDB id 597 KW2 RS01935 WP 021036727.1           .MNKTMLIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEKGEREADFISIILWGKSAETLVSYAKKGSLISVEG   74
NTDB id 498 SM12261 RS01980 WP 000282464.1       MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDG   75
NTDB id 526 SMSK321 RS08825 WP 000282440.1       MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDG   75
NTDB id 268 KZH43 RS08520 WP 000282467.1         MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDG   75
NTDB id 227 SPD RS09110 WP 000282467.1           MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDG   75
NTDB id 193 SPR RS08685 WP 000282467.1           MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDG   75
NTDB id 158 SP RS09595 WP 000282442.1            MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDG   75
NTDB id 583 DLJ51 RS09560 WP 002962590.1         MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDG   75
NTDB id 1111667 HMPREF9319 RS00480 WP 003062939.1 MYNKVIMIGRLTAQPELVTTSNEKSVTRVTLAVNRRFKSQNGEREADFISIVVWGRLAETLVSYAGKGSLISIDG   75
NTDB id 409 SMU RS08940 WP 002263454.1           MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDG   75
consensus                                        **!*****!!!* **** *! ******* **!!!!*** **!***!!!*****!***!!*******!!!!****!

logo

NTDB id 113 BSU 40900 NP 391970.1                RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGS.....GGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRR   145
NTDB id 624 LCA RS00040 WP 011373726.1           RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNA   143
NTDB id 597 KW2 RS01935 WP 021036727.1           EIRTRNYTDKNEQKHYITEILGLSYDLLESRATLALRESAVK.................................   116
NTDB id 498 SM12261 RS01980 WP 000282464.1       ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.................................   116
NTDB id 526 SMSK321 RS08825 WP 000282440.1       ELRTRRFE.KNGQMNYVAEVLVTGFQLLESRAQRAMRENNAG.................................   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 158 SP RS09595 WP 000282442.1            ELRTRRFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.................................   116
NTDB id 583 DLJ51 RS09560 WP 002962590.1         EIRTRHYE.KDGQTHYVTEILAQSFQLLESRAQRALRENNGA.................................   116
NTDB id 1111667 HMPREF9319 RS00480 WP 003062939.1 ELRTRKYE.KDGHTNYVTEVLCHSFQLLESRAQRAIRENNVA.................................   116
NTDB id 409 SMU RS08940 WP 002263454.1           ELRTRKYE.KDGVTHFVTEVLGHSFQLLESRAQRAMRENNSE.................................   116
consensus                                        ***!!*** **** ****!***  ***!!*************

logo

NTDB id 113 BSU 40900 NP 391970.1                NQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 624 LCA RS00040 WP 011373726.1           PAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 597 KW2 RS01935 WP 021036727.1           ..............TEELLLEADELPF   129
NTDB id 498 SM12261 RS01980 WP 000282464.1       ............QDLADLVLEEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1       ............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 158 SP RS09595 WP 000282442.1            ............QDLADLVLEEEELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1         ............SDLTDLVLEEEELPF   131
NTDB id 1111667 HMPREF9319 RS00480 WP 003062939.1 ............NDLADLVLEEEELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1           ............NDLADLVLEEEELPF   131
consensus                                                    *************!!!
```

X non conserved

X similar

X $\geq$50% conserved