```
logo
NTDB id 409 SMU RS08940 WP 002263454.1        MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDGELRTRKYEK.   84
NTDB id 498 SM12261 RS01980 WP 000282464.1    MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 526 SMSK321 RS08825 WP 000282440.1    MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 158 SP RS09595 WP 000282442.1         MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 268 KZH43 RS08520 WP 000282467.1      MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 227 SPD RS09110 WP 000282467.1        MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 193 SPR RS08685 WP 000282467.1        MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 54074 DCF50 RS14640 WP 015044997.1    MLNRVVLIGRLTKDPELRYTPNGVAVASFTLAVDRNYKNSQGEKETDFIPCVVFRQLAELCANYLAKGRLAAVDGRIQVRSYDGQ   85
NTDB id 624 LCA RS00040 WP 011373726.1        MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNYENQ   85
NTDB id 113 BSU 40900 NP 391970.1             MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ   85
NTDB id 112 BSU 36310 NP 391512.2             MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRSYENE   85
consensus                                     !*!*!***!!!*********!*****!*****!!*!******!****!***********!!**!****!!*!****!****!****
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logo
NTDB id 409 SMU RS08940 WP 002263454.1        DGVTHFVTEVLGHSFQLLESRAQRAMRENNSE.............................................NDLADLVL   124
NTDB id 498 SM12261 RS01980 WP 000282464.1    NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.............................................QDLADLVL   124
NTDB id 526 SMSK321 RS08825 WP 000282440.1    NGQMNYVAEVLVTGFQLLESRAQRAMRENNAG.............................................QDLADLVL   124
NTDB id 158 SP RS09595 WP 000282442.1         NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.............................................QDLADLVL   124
NTDB id 268 KZH43 RS08520 WP 000282467.1      NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.............................................QDLADLVL   124
NTDB id 227 SPD RS09110 WP 000282467.1        NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.............................................QDLADLVL   124
NTDB id 193 SPR RS08685 WP 000282467.1        NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.............................................QDLADLVL   124
NTDB id 54074 DCF50 RS14640 WP 015044997.1    DGQKRWVTEVLGENVRFLSPKDNNAGASSTQ......................NDFGSFAH.....................E.VS   127
NTDB id 624 LCA RS00040 WP 011373726.1        QGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANNTQADPFANNGQAIDI   163
NTDB id 113 BSU 40900 NP 391970.1             QGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGKPIDI   165
NTDB id 112 BSU 36310 NP 391512.2             EGVNVYVTEVLADTVRFMDPKPREKAAD.................................................   113
consensus                                     *!****!*!!**********************                                        ********
```

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logo
NTDB id 409 SMU RS08940 WP 002263454.1        EEEELPF   131
NTDB id 498 SM12261 RS01980 WP 000282464.1    EEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1    EEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1         EEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1      EEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1        EEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1        EEEELPF   131
NTDB id 54074 DCF50 RS14640 WP 015044997.1    LDDDIPF   134
NTDB id 624 LCA RS00040 WP 011373726.1        SDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             SDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             .......   113
consensus                                     *******
```

X non conserved

X similar

X $\geq$ 50% conserved