```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1     MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG    80
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
NTDB id 624 LCA RS00040 WP 011373726.1        ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.GD..READFINCVIWRKSAENFANFTKKGSLVGVDG    75
NTDB id 112 BSU 36310 NP 391512.2             ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNAS.GE..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
NTDB id 365876 FF958 RS10405 WP 000934775.1   ..MLNRTVLVGRLTKDPELRSTPNGVNVGTFTLAVNRTFTNAQ.GE..READFINVVVFKKQAENVKNYLSKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.GE..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
consensus                                       **!*****!*!*  ***  ** * **!*  **!****** ** !*  **************!!********!!!******!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATR....   156
NTDB id 498 SM12261 RS01980 WP 000282464.1    ELRTRRFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.......................................   117
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ELRTRRFEK.NGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQ.......................................   117
NTDB id 158 SP RS09595 WP 000282442.1         ELRTRRFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.......................................   117
NTDB id 268 KZH43 RS08520 WP 000282467.1      ELRTRRFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.......................................   117
NTDB id 227 SPD RS09110 WP 000282467.1        ELRTRRFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.......................................   117
NTDB id 193 SPR RS08685 WP 000282467.1        ELRTRRFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.......................................   117
NTDB id 583 DLJ51 RS09560 WP 002962590.1      EIRTRHYEK.DGQTHYVTEILAQSFQLLESRAQRALRENNGAS.......................................   117
NTDB id 409 SMU RS08940 WP 002263454.1        ELRTRKYEK.DGVTHFVTEVLGHSFQLLESRAQRAMRENNSEN.......................................   117
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ........NFNSNQS..NGSQQSGFTSPQQTGNAPA   145
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.............................................   113
NTDB id 365876 FF958 RS10405 WP 000934775.1   RLQTRSYDNKDGKRVFVTEVVADNVQFLEPKNNNQQPSNNYHQQ........RQTQ.............................   123
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEG........NSGGGQYFGGGQNDNPFGGNQNNQRRNQ   147
consensus                                     ***!!**** *!*  ***!**   ******************

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     .PQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 498 SM12261 RS01980 WP 000282464.1    ...........DLADLVLEEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ...........DLADLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1         ...........DLADLVLEEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1      ...........DLADLVLEEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1        ...........DLADLVLEEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1        ...........DLADLVLEEEELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1      ...........DLTDLVLEEEELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1        ...........DLADLVLEEEELPF   131
NTDB id 624 LCA RS00040 WP 011373726.1        ANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2             ........................    113
NTDB id 365876 FF958 RS10405 WP 000934775.1   ...TGNNPFDN...TTAITDDDLPF   142
NTDB id 113 BSU 40900 NP 391970.1             GNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                               ** ***********
```

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