```
logo
NTDB id 1471 ASU2 RS04565 WP 014991634.1     MAGINKVIIVGNLGNDPEMRTMPNGEAVANISVATSESWTDKNTGERREVTEWHRIVFYRRQAEVAGQYLRKGSQVYVEGRLKTR   85
NTDB id 1390 A4U84 RS00055 WP 021115958.1    MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEGKLKTR   85
NTDB id 498 SM12261 RS01980 WP 000282464.1  ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNG.ER..EADFVNMVLWGKLAESLASYATKGSLISVDGELRTR   80
NTDB id 526 SMSK321 RS08825 WP 000282440.1  ..MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNG.ER..EADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 158 SP RS09595 WP 000282442.1       ..MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNG.ER..EADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 268 KZH43 RS08520 WP 000282467.1    ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNG.ER..EADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 227 SPD RS09110 WP 000282467.1      ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNG.ER..EADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 193 SPR RS08685 WP 000282467.1      ..MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNG.ER..EADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 583 DLJ51 RS09560 WP 002962590.1    ..MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDG.ER..QADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTR   80
NTDB id 409 SMU RS08940 WP 002263454.1      ..MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDG.EK..QADFVNVVLWGRLAETIASYGSKGSLISLDGELRTR   80
NTDB id 76032 EN73 RS03235 WP 000609374.1   ..MINNIVLVGRMTKDAELRHTPSQVAVATFTLAVNRRFKEQNG.ER..ETDFINCVIWRQSAENLANWAKKGTLIGITGHIQTR   80
NTDB id 624 LCA RS00040 WP 011373726.1      ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.DR..EADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1           ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.ER..EADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2           ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.EI..EADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                    **!*****!***  *** ** * **!*  **!**********  **  **************!!****** !!*******!***!!

logo
NTDB id 1471 ASU2 RS04565 WP 014991634.1     KWQDQNGQDRYTTEIQGDVLQMLGGRNQGGDFGGNQGGWGNSAPAPQQSYNQGNSGYGY...DQTASRPA...QQAAKQAAKPAQ   164
NTDB id 1390 A4U84 RS00055 WP 021115958.1    KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPA.QTNYNQGGYSDNY...AQNNNFNGGNATRPQPAQKPAAQ   166
NTDB id 498 SM12261 RS01980 WP 000282464.1  RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.......................................Q   117
NTDB id 526 SMSK321 RS08825 WP 000282440.1  RFEK.NGQMNYVAEVLVTGFQLLESRAQRAMRENNAG.......................................Q   117
NTDB id 158 SP RS09595 WP 000282442.1       RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.......................................Q   117
NTDB id 268 KZH43 RS08520 WP 000282467.1    RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.......................................Q   117
NTDB id 227 SPD RS09110 WP 000282467.1      RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.......................................Q   117
NTDB id 193 SPR RS08685 WP 000282467.1      RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.......................................Q   117
NTDB id 583 DLJ51 RS09560 WP 002962590.1    HYEK.DGQTHYVTEILAQSFQLLESRAQRALRENNGA.......................................S   117
NTDB id 409 SMU RS08940 WP 002263454.1      KYEK.DGVTHFVTEVLGHSFQLLESRAQRAMRENNSE.......................................N   117
NTDB id 76032 EN73 RS03235 WP 000609374.1   NYENQQGQRIYVTEVVAENFQLLESRNSQQQTNQSGNSSN.....................................SHFG   124
NTDB id 624 LCA RS00040 WP 011373726.1      NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQN...FNSNQS..NGSQQSGFTSPQQTGNAPAANN....TQADPFAN   156
NTDB id 113 BSU 40900 NP 391970.1           NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGN...SGGGQYFGGGQNDNPFGGNQNNQRRNQGNS....FNDDPFAN   158
NTDB id 112 BSU 36310 NP 391512.2           SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD...........................................   113
consensus                                   **** *!*  ***!**   ****************                                            *

logo
NTDB id 1471 ASU2 RS04565 WP 014991634.1     AEPPMDNFDDDIPF   178
NTDB id 1390 A4U84 RS00055 WP 021115958.1    AEPPMDNFDDDIPF   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 76032 EN73 RS03235 WP 000609374.1   NANKMDISDDDLPF   138
NTDB id 624 LCA RS00040 WP 011373726.1      NGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1           DGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2           ..............   113
consensus                                   ** ***********
```

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