```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 526 SMSK321 RS08825 WP 000282440.1   ....MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 158 SP RS09595 WP 000282442.1        ....MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 268 KZH43 RS08520 WP 000282467.1     ....MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 227 SPD RS09110 WP 000282467.1       ....MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 193 SPR RS08685 WP 000282467.1       ....MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQ.NGER..EADFVNMVLWGRLAETLASYATKGSLISV   73
NTDB id 624 LCA RS00040 WP 011373726.1       ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNA.NGDR..EADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 112 BSU 36310 NP 391512.2            ....MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNA.SGEI..EADYVNCTLWRKTAENTALYCQKGSLVGV   73
NTDB id 31864 AFLV RS14790 WP 006321129.1    ....MINRVILVGRLTKDPELRYTPNGVAVATFTLAVNRTYTNQ.QGER..EADFINCIVWRRQAENVANYLKKGSLAGV   73
NTDB id 113 BSU 40900 NP 391970.1            ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQ.SGER..EADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 1103 NMB RS07590 WP 002212976.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                       * !*!***!*!* ***** * ** *!*  **!*** * *  *!**  ********** **!!  * *  !!*** *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 526 SMSK321 RS08825 WP 000282440.1   DGELRTRRFEK.NGQMNYVAEVLV....TGFQLLESRAQRAMRENNAGQDL.............................   119
NTDB id 158 SP RS09595 WP 000282442.1        DGELRTRRFEK.NGQMNYVTEVLV....TGFQLLESRAQRAMRENNAGQDL.............................   119
NTDB id 268 KZH43 RS08520 WP 000282467.1     DGELRTRRFEK.NGQMNYVTEVLV....TGFQLLESRAQRAMRENNAGQDL.............................   119
NTDB id 227 SPD RS09110 WP 000282467.1       DGELRTRRFEK.NGQMNYVTEVLV....TGFQLLESRAQRAMRENNAGQDL.............................   119
NTDB id 193 SPR RS08685 WP 000282467.1       DGELRTRRFEK.NGQMNYVTEVLV....TGFQLLESRAQRAMRENNAGQDL.............................   119
NTDB id 624 LCA RS00040 WP 011373726.1       DGRLQTRNYENQQGQRVYVTEVVV....DNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQSG..FTSPQ..QTGNAPA   145
NTDB id 112 BSU 36310 NP 391512.2            SGRIQTRSYENEEGVNVYVTEVLA....DTVRFMDPKPREKAAD....................................   113
NTDB id 31864 AFLV RS14790 WP 006321129.1    EGRIQTRSYENQEGKRVYVTEVVA....DSVQFLEPRSGGEQR..GMASGSYG.........EPFPFGSNQNPNQGRSSG   138
NTDB id 113 BSU 40900 NP 391970.1            DGRLQTRNYENQQGQRVFVTEVQA....ESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNN..QRRNQ   147
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYGGKDGIERTAYDIVA....NEMKMLGGRNENSG....GAPYEEGYGQSQE.........AYQRPAQQSRQP   139
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYGGKDGIERTAYDIVA....NEMKMLGGRNENSG....GAPYDEGYGQSQE.........AYQRPAQQSRQP   139
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGG.....DFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNN..   147
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQG.....GMPAQGGM...NVPAQ....QGSWGQPQQPAK..   146
consensus                                    *! * *!***  *!*  ******        **** *   *     **
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 526 SMSK321 RS08825 WP 000282440.1   ........................ADLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1        ........................ADLVLEEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1     ........................ADLVLEEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1       ........................ADLVLEEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1       ........................ADLVLEEEELPF   131
NTDB id 624 LCA RS00040 WP 011373726.1       ANN..........TQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2            ....................................   113
NTDB id 31864 AFLV RS14790 WP 006321129.1    FSR..........IDDDPFANDGQPIDISDDDLPF   163
NTDB id 113 BSU 40900 NP 391970.1            GNS..........FNDDPFANDGKPIDISDDDLPF   172
NTDB id 1103 NMB RS07590 WP 002212976.1      ASDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     APDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..NFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1166 A1552VC RS00795 WP 000168289.1  ..QHQ..PMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
consensus                                                          * * ******
```

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