```
logo

NTDB id 113 BSU 40900 NP 391970.1              MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 597 KW2 RS01935 WP 021036727.1         .MNKTMLIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEKGEREADFISILWGKSAETLVSYAKKGSLISVEGEIRTR   79
NTDB id 498 SM12261 RS01980 WP 000282464.1     MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTR   80
NTDB id 526 SMSK321 RS08825 WP 000282440.1     MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 158 SP RS09595 WP 000282442.1          MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 268 KZH43 RS08520 WP 000282467.1       MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 227 SPD RS09110 WP 000282467.1         MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 193 SPR RS08685 WP 000282467.1         MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 1020702 AB1F71 RS09100 WP 002263454.1 MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDGELRTR   80
NTDB id 409 SMU RS08940 WP 002263454.1         MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDGELRTR   80
NTDB id 583 DLJ51 RS09560 WP 002962590.1       MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTR   80
consensus                                      **!*****!!!***!!***!*********!*!!!!*******!!**!!!*****!***!!*******!!!!****!***!!

logo

NTDB id 113 BSU 40900 NP 391970.1              NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGGYNEGNSGGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDG   160
NTDB id 597 KW2 RS01935 WP 021036727.1         NYTDKNEQKHYITEILGLSYDLLESRATLALRE.....SA.................................V..KT   117
NTDB id 498 SM12261 RS01980 WP 000282464.1     RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRE.....NN.................................AGQDL   119
NTDB id 526 SMSK321 RS08825 WP 000282440.1     RFE.KNGQMNYVAEVLVTGFQLLESRAQRAMRE.....NN.................................AGQDL   119
NTDB id 158 SP RS09595 WP 000282442.1          RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRE.....NN.................................AGQDL   119
NTDB id 268 KZH43 RS08520 WP 000282467.1       RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRE.....NN.................................AGQDL   119
NTDB id 227 SPD RS09110 WP 000282467.1         RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRE.....NN.................................AGQDL   119
NTDB id 193 SPR RS08685 WP 000282467.1         RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRE.....NN.................................AGQDL   119
NTDB id 1020702 AB1F71 RS09100 WP 002263454.1 KYE.KDGVTHFVTEVLGHSFQLLESRAQRAMRE.....NN.................................SENDL   119
NTDB id 409 SMU RS08940 WP 002263454.1         KYE.KDGVTHFVTEVLGHSFQLLESRAQRAMRE.....NN.................................SENDL   119
NTDB id 583 DLJ51 RS09560 WP 002962590.1       HYE.KDGQTHYVTEILAQSFQLLESRAQRALRE.....NN.................................GASDL   119
consensus                                      ***  *********!********!!*********      **                                 *****

logo

NTDB id 113 BSU 40900 NP 391970.1              KPIDISDDDLPF   172
NTDB id 597 KW2 RS01935 WP 021036727.1         EELLLEADELPF   129
NTDB id 498 SM12261 RS01980 WP 000282464.1     ADLVLEEEELPF   131
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 1020702 AB1F71 RS09100 WP 002263454.1 ADLVLEEEELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1         ADLVLEEEELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1       TDLVLEEEELPF   131
consensus                                      *********!!!
```

X non conserved

X similar

X $\geq$ 50% conserved