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NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKKTMLIGRLTNAPETISKTTNNKSYVRVTLAVNRRFKNEKGEREADFISITILWGKSAETLVSYAKKGSLISVGEIIRTR	79
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKDKNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTR	80
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLTSTPELHKTNNNDKSVARATIAVNRRYKDKNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR	80
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVILIGRLTSTPELHKTNNNDKSVARATIAVNRRYKDKNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR	80
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKDKNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR	80
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKDKNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR	80
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKDKNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR	80
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLTAAPMVKTPSNKSVTHITLAVNRRFKTDQGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTR	80
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDGELRTR	80
NTDB id 225549 B7P25 RS11350 WP 087931716.1	.MNRVVLIGRLTKEPELYYTKQGVAYARVCVAVNRGFRNSLGEQQVDFINCVVWRRSAENVTEYCTKGSLVGITGRIHTR	79
NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLTRDVLRYTSSGAAGVTFMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR	80
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLTGKDPPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFVNCVTWRRQAENVANFLKKGSLAGVDGRLQTR	80
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLTGKDPDLRYTSAGAAVAHVTLAVNRSEFNASGEITEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR	80
consensus	***!*****!!* *** *! * ***** **!!!!** * !*****!*****!*****!*****!*****!*****!	

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NTDB id 597 KW2 RS01935 WP 021036727.1	RYEKNQGMNYVTEVLVGFQLLESRAQRAMRENNAGQ	115
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE.KNGQMNYVTEVLVTGFLLESRAQRAMRENNAGQ	117
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE.KNGQMNYVAEVLVTGFLLESRAQRAMRENNAGQ	117
NTDB id 158 SP RS09595 WP 000282442.1	RFE.KNGQMNYVTEVLVTGFLLESRAQRAMRENNAGQ	117
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFLLESRAQRAMRENNAGQ	117
NTDB id 227 SPD RS09110 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFLLESRAQRAMRENNAGQ	117
NTDB id 193 SPR RS08685 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFLLESRAQRAMRENNAGQ	117
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE.KDGQTHYVTEILAQSFLLESRAQRAALRENNAGS	117
NTDB id 409 SMU RS08940 WP 002263454.1	KYE.KDGQVTHFVTEVLGHSFQLLESRAQRAMRENNSEN	117
NTDB id 225549 B7P25 RS11350 WP 087931716.1	NYEGDKGKRTYITEVMIESITFLEKRREDASKKD.GTWGN	118
NTDB id 624 LCA RS00040 WP 011373726.1	NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSGSQ.....QSGFTSPQQTGNAPAAANTQADP	153
NTDB id 113 BSU 40900 NP 391970.1	NYENQQGQRVYVTEVQAESVQFLEPKNGGCGSGS.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQNSFNDDP	155
NTDB id 112 BSU 36310 NP 391512.2	SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.....	113
consensus	** ***** ***!*** **********	

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NTDB id 597 KW2 RS01935 WP 021036727.1	...KTEELLLEADELPF	129
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 225549 B7P25 RS11350 WP 087931716.1		118
NTDB id 624 LCA RS00040 WP 011373726.1	FANNGQAIDISDDDLPF	170
NTDB id 113 BSU 40900 NP 391970.1	FANDGKPIDISDDDLPF	172
NTDB id 112 BSU 36310 NP 391512.2		113
consensus	** *****	

 non conserved
 similar
 $\geq 50\%$ conserved