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NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKKTMLIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEKGEREADFISITILWGKSAETLIVSYAKKGSLSISVEGEIRTRNYTDK	84
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGKLAESLASAYATKGSLSISVDGELRTRRFE.K	84
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASAYATKGSLSISVDGELRTRRFE.K	84
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASAYATKGSLSISVDGELRTRRFE.K	84
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASAYATKGSLSISVDGELRTRRFE.K	84
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASAYATKGSLSISVDGELRTRRFE.K	84
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASAYATKGSLSISVDGELRTRRFE.K	84
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLTAAPENVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNMMVFWGKLAESLVSYAGKGSLSISLDGEIRTRHYE.K	84
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNMMVLWGRLAETIASYGSKGSLSISLDGELRTRKYE.K	84
NTDB id 129688 BF26 RS04400 WP 000982031.1	MMNRVVLIGRLTKEPELYYTKQGVAYARVCVAVNRGFRNSLGEQQVDFINCVVWRKSAENVTEYCTKGSLSVGITGRIHTRNYEDD	85
NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLTRDVEDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLSVGVDGRLQTRNYENQ	85
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLTCKDPELRYTPNGAAVATFTLAVNRFTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ	85
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLTCKDPELRYTSAGAAVAHVTLAVNRSFKNASGETEADYVNCTLWRKTAENTALYCQKGSLSVGVSGRITQTRSYENE	85
consensus	*****!!* ** *	

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NTDB id 597 KW2 RS01935 WP 021036727.1	NGQMNYYTEVLVGFQLESRAQRAMRENNAGQD	
NTDB id 498 SM12261 RS01980 WP 000282464.1	NEQKHYTEILGLSYDLLESRATLALRESAV..K.....TEELL	122
NTDB id 526 SMSK321 RS08825 WP 000282440.1	NGQMNYVTEVLVTGFLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 158 SP RS09595 WP 000282442.1	NGQMNYVAEVLVTGFLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 268 KZH43 RS08520 WP 000282467.1	NGQMNYVTEVLVTGFLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 227 SPD RS09110 WP 000282467.1	NGQMNYVTEVLVTGFLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 193 SPR RS08685 WP 000282467.1	NGQMNYVTEVLVTGFLLESRAQRAMRENNAGQD.....LADLVL	124
NTDB id 583 DLJ51 RS09560 WP 002962590.1	DGQTHYVTEILAQSFQLLSRAQRALRENNGASD.....LTDLVL	124
NTDB id 409 SMU RS08940 WP 002263454.1	DGVTHFVTEVLGHSFQLLSRAQRAMRENNSEND.....LADLVL	124
NTDB id 129688 BF26 RS04400 WP 000982031.1	QGKRIYTEVVIESTITFLERRREGASQ.....	112
NTDB id 624 LCA RS00040 WP 011373726.1	QQGRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNQS.....QSQFTSPQQTGNAPAAANNTQADPFANNGQAIT	163
NTDB id 113 BSU 40900 NP 391970.1	QQGRVFVTEVQAESVQFLEPKNGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQNSFNDDPFANDGKPID	165
NTDB id 112 BSU 36310 NP 391512.2	EGVNVYVTEVLADTVRFMDPKPREKAAD.....	113
consensus	*** **!* ** ***** * * * * *	

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NTDB id 597 KW2 RS01935 WP 021036727.1	EEDELFP	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	EEEELPF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	EEEELPF	131
NTDB id 158 SP RS09595 WP 000282442.1	EEEELPF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	EEEELPF	131
NTDB id 227 SPD RS09110 WP 000282467.1	EEEELPF	131
NTDB id 193 SPR RS08685 WP 000282467.1	EEEELPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	EEEELPF	131
NTDB id 409 SMU RS08940 WP 002263454.1	EEEELPF	131
NTDB id 129688 BF26 RS04400 WP 000982031.1		112
NTDB id 624 LCA RS00040 WP 011373726.1	SDDLPF	170
NTDB id 113 BSU 40900 NP 391970.1	SDDLPF	172
NTDB id 112 BSU 36310 NP 391512.2		113
consensus	*****	

 non conserved
 similar
 $\geq 50\%$ conserved