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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLTRDVLDRYTSSGAAVGTFMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGV DGR LQTRNYENQ	85
NTDB id 130882 AK40 RS07725 WP 000982029.1	MMNRVVLIGRLTKEPELYYTKQGVAYARVCVAVNRGFRNSLGEQQVDFINCVVWRKSAENVTEYCKKKGSLVGITGRIHTRNYEDD	85
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLT KDP ELPYTPNGA AVATFTLAVNRFTFNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGR LQTRNYENQ	85
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLT KDPDLDRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGS LVGVSGRIQTRSYENE	85
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM LIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEKGEREADFTSITILWGKSAETLVSYAKKGS LISVEGEIRTRNYTDK	84
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGKLAESLASYATKGS LISVDGELRTRRFE.K	84
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASYATKGS LISVDGELRTRRFE.K	84
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASYATKGS LISVDGELRTRRFE.K	84
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASYATKGS LISVDGELRTRRFE.K	84
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASYATKGS LISVDGELRTRRFE.K	84
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQDQNGEREADFVNMMVLWGRLAETLASYATKGS LISVDGELRTRRFE.K	84
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNMMVLWGRLAETLVSYAGKGS LVSLDGEIRTRHYE.K	84
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNMMVLWGRLAETIASYGSKGSLISLDGELRTRKYE.K	84
consensus	***!*****!!* ** *	

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NTDB id 624 LCA RS00040 WP 011373726.1	NGQMYVTEVLVGFQLLESRAQRAMRENNAGQ	163
NTDB id 130882 AK40 RS07725 WP 000982029.1	QGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSGSQ.....QS GFTSPQQTGNAPAANNTQADPFANNQQAIDT	112
NTDB id 113 BSU 40900 NP 391970.1	QGKRIVITEVVIIESITFLERRREGVSQ.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQNSFNDDPFANDGKPIDT	165
NTDB id 112 BSU 36310 NP 391512.2	QGQRVFVTEVQAESVQFLEPKNGGSGSG.....EGVNVYVTEVLADTVRFMDPKPREKAAD.....KTEELL	113
NTDB id 597 KW2 RS01935 WP 021036727.1	NEQKHYTEIILGLSYDLLES RATLALRESAV.....DLADLVL	122
NTDB id 498 SM12261 RS01980 WP 000282464.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....DLADLVL	124
NTDB id 526 SMSK321 RS08825 WP 000282440.1	NGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQ.....DLADLVL	124
NTDB id 158 SP RS09595 WP 000282442.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....DLADLVL	124
NTDB id 268 KZH43 RS08520 WP 000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....DLADLVL	124
NTDB id 227 SPD RS09110 WP 000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....DLADLVL	124
NTDB id 193 SPR RS08685 WP 000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....DLADLVL	124
NTDB id 583 DLJ51 RS09560 WP 002962590.1	DGQTHYVTEITLAQS FQLLESRAQRALRENNGAS.....DLTDLVL	124
NTDB id 409 SMU RS08940 WP 002263454.1	DGVTHFVTEVLGHSFQLLESRAQRAMRENNSEN.....DLADLVL	124
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NTDB id 624 LCA RS00040 WP 011373726.1	EEEELPF	170
NTDB id 130882 AK40 RS07725 WP 000982029.1	SDDDLPF	112
NTDB id 113 BSU 40900 NP 391970.1	SDDDLPF	172
NTDB id 112 BSU 36310 NP 391512.2	SDDDLPF	113
NTDB id 597 KW2 RS01935 WP 021036727.1	EADLDPF	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
consensus	*****	

 non conserved
 similar
 $\geq 50\%$ conserved