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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGA	AVGTF	SMAVNRQFTNANGDREADF	INCVIWRKSAENFANFTKKGSLV	GVDGRLQTR	80
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTPNGAAVATFTLAVNRFTTNQSGER	ADFINCVTWRRAENVANFLKKGSLAGVDGRLQTR				80
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLLTKDPELRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENT	ALYCQKGSLVGVSGRIQTR				80
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEKGEREADFISITILWGKSAETLVSYAKKGSLISVEGEIRTR				79
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQNGEREADFVNMVLWGKLAESLASYAT	TKGSLISVDGELRTR				80
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKQNGEREADFVNMVLWGRLAETLASYAT	TKGSLISVDGELRTR				80
NTDB id 337302 EQH36 RS08920 WP 000282442.1	MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKQNGEREADFVNMVLWGRLAETLASYAT	TKGSLISVDGELRTR				80
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKQNGEREADFVNMVLWGRLAETLASYAT	TKGSLISVDGELRTR				80
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQNGEREADFVNMVLWGRLAETLASYAT	TKGSLISVDGELRTR				80
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQNGEREADFVNMVLWGRLAETLASYAT	TKGSLISVDGELRTR				80
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKQNGEREADFVNMVLWGRLAETLASYAT	TKGSLISVDGELRTR				80
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVN	VVLWGRLAETIASYGSKGSLISLDGELRTR				80
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVN	VVFWGKLAESLVSYAGKGSLVSLDGEIRTR				80
consensus	**!*!!!!!!* **** *! ***** **!!!!!!** **!*!!!!!!*****!*****!*****!!!!!!*****!*****!					

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NTDB id 624 LCA RS00040 WP 011373726.1	RYENQGGQRRVYVTEVVVDNFSLL	ESRTTTEQRQDGASQNFNSNQSN	GSQ.....QSGFTSPQQTGNAPAA	NNTQADP	153
NTDB id 113 BSU 40900 NP 391970.1	RYENQGGQRRVFVTEVQAESVQFLEP	KNGGCGSGS.....GYNEGNSGGGQYF	GGGQNDNPFGGNQNNQRRNQNSFN	DDP	155
NTDB id 112 BSU 36310 NP 391512.2	SYENE	EGVNVYVTEVLADTVRFMDPKPREKAAD.....			113
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTDKNEQKHYTEITLGLSYDLLES	RATLALRESAV.....			115
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE.KNGQMNYVTEVLVTGFQLL	ESRAQRAMRENNAGQ.....			117
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE.KNGQMNYVAEVLVTGFQLL	ESRAQRAMRENNAGQ.....			117
NTDB id 337302 EQH36 RS08920 WP 000282442.1	RFE.KNGQMNYVTEVLVTGFQLL	ESRAQRAMRENNAGQ.....			117
NTDB id 158 SP RS09595 WP 000282442.1	RFE.KNGQMNYVTEVLVTGFQLL	ESRAQRAMRENNAGQ.....			117
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFQLL	ESRAQRAMRENNAGQ.....			117
NTDB id 227 SPD RS09110 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFQLL	ESRAQRAMRENNAGQ.....			117
NTDB id 193 SPR RS08685 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFQLL	ESRAQRAMRENNAGQ.....			117
NTDB id 409 SMU RS08940 WP 002263454.1	KYE.KDGVTHTFVTEVLGHSFQLL	ESRAQRAMRENNSEN.....			117
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE.KDGQTHYVTEILAQSFQLL	ESRAQRALRENNGAS.....			117
consensus	*** ***** ***!**** **********				

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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
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 337302 EQH36 RS08920 WP 000282442.1	...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 409 SMU RS08940 WP 002263454.1	...DLADLVLEEEELPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	...DLTDLVLEEEELPF	131
consensus	*****	

 non conserved
 similar
 $\geq 50\%$ conserved