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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLTRDVLRYTSSGA	AVGTF	SMAVNRQFTNANGDREADF	INCVIWRKSAENFANFTKKGSLV	GVDGRLQ	80	
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTPNGA	AVATFTLAVNRTFTNQSG	EREADFINCVTWRRAENVANFLK	KGSLAGVDGRLQ	80		
NTDB id 265345 C2I06 RS14180 WP 095329937.1	MINQVTLVGRLLTKDPELRVTQEGTS	IVHVT	AVNRRYKNQAGDYDADFVQ	CTFWNKVAENTAQYCHKGSLV	GVVGRIQ	80	
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLLTKDPLRYTSAGA	AVAHVTLAVNRSFKNASGE	IEADYVNCTLWRKTAENTALYC	QKGSLVGVSGRIQ	80		
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLTNAPETSKTTNNK	SYVRVTLAVNRRFKNEK	GEREADFTIITLWGKSAETLV	SYAKKGSLISVEGEIR	79	
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIM	IGRLTSTPELHKTNNDKSVARAT	IAVNRRYK	QNGEREADFVN	NMVLWGKLAESLASYATKG	SLISVDGELRTR	80
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVIL	IGRLTSTPELHKTNNDKSVARAT	IAVNRRYK	QNGEREADFVN	NMVLWGRLAETLASYATKG	SLISVDGELRTR	80
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVIL	IGRLTSTPELHKTNNDKSVARAT	IAVNRRYK	QNGEREADFVN	NMVLWGRLAETLASYATKG	SLISVDGELRTR	80
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNNDKSVARAT	IAVNRRYK	QNGEREADFVN	NMVLWGRLAETLASYATKG	SLISVDGELRTR	80
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNNDKSVARAT	IAVNRRYK	QNGEREADFVN	NMVLWGRLAETLASYATKG	SLISVDGELRTR	80
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNNDKSVARAT	IAVNRRYK	QNGEREADFVN	NMVLWGRLAETLASYATKG	SLISVDGELRTR	80
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVIL	IGRLTAAPEMMVKTPSNKSVTHIT	LAVNRRFKTQDGERQ	ADFVN	VFWGKLAESLVSYAGKGSLV	SLDGEIR	80
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVIL	IGRLVATPEMMVKTPKD	KSVTRVTLAVNRRFKS	QDGEKQADFVN	VVLWGRLAETIASYG	SKGSLISLDGELRTR	80
consensus	***!*****!!* *** *! * ***** **!!!!** * !*****!*****!*****!*****!*****!*****!*****!						

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NTDB id 624 LCA RS00040 WP 011373726.1	NYENQ	QGQRVYVTEV	VVDN	FSLLES	RRTTTEQR	QGDGASQNFNSNQSGS		QQSGFTSPQQTGNAPAA	NNTQADP	153
NTDB id 113 BSU 40900 NP 391970.1	NYENQ	QGQRVYVTEV	QAESVQFLEP	KNGG	CGSGG	.....	YNEGNSGGGQYF	GGGQNDNPFGGNQNN	QRRNQNSFNDDP	155
NTDB id 265345 C2I06 RS14180 WP 095329937.1	NYENQ	ERKKVYVTEV	IAESVRFLDP	KKLEQ	TIP	.....	.....	.....	.....	113
NTDB id 112 BSU 36310 NP 391512.2	SYENE	EGVNVYVTEV	LADTVRFMDPK	PREKAD	.....	.....	.....	.....	.....	113
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTDK	NEQKHYTEIL	GLSYDLLES	RATLALRESA	V	.....	.....	.....	.....	115
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE	.KNGQMNYVTEV	LV	TG	FQLLES	RAQRAMRENNAGQ	.....	.....	.....	117
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE	.KNGQMNYVAEVL	LV	TG	FQLLES	RAQRAMRENNAGQ	.....	.....	.....	117
NTDB id 158 SP RS09595 WP 000282442.1	RFE	.KNGQMNYVTEV	LV	TG	FQLLES	RAQRAMRENNAGQ	.....	.....	.....	117
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE	.KNGQMNYVTEV	LV	TG	FQLLES	RAQRAMRENNAGQ	.....	.....	.....	117
NTDB id 227 SPD RS09110 WP 000282467.1	RFE	.KNGQMNYVTEV	LV	TG	FQLLES	RAQRAMRENNAGQ	.....	.....	.....	117
NTDB id 193 SPR RS08685 WP 000282467.1	RFE	.KNGQMNYVTEV	LV	TG	FQLLES	RAQRAMRENNAGQ	.....	.....	.....	117
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE	.KDGQTHYVTE	TLAQS	FQLLES	RAQRALRENN	GAS	.....	.....	.....	117
NTDB id 409 SMU RS08940 WP 002263454.1	KYE	.KDGVT	HFVTEV	LGH	SFQLLES	RAQRAMRENNSEN				117
consensus	** ***** ***!** *****									

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NTDB id 624 LCA RS00040 WP 011373726.1	FANNGQAIDIS	DDDLPF	170
NTDB id 113 BSU 40900 NP 391970.1	FANDGKPIDIS	DDDLPF	172
NTDB id 265345 C2I06 RS14180 WP 095329937.1	.....	.....	113
NTDB id 112 BSU 36310 NP 391512.2	.....	.....	113
NTDB id 597 KW2 RS01935 WP 021036727.1	...KTE	ELLLEADELPF	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	...DLADLV	EEEEELPF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	...DLADLV	EEEEELPF	131
NTDB id 158 SP RS09595 WP 000282442.1	...DLADLV	EEEEELPF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	...DLADLV	EEEEELPF	131
NTDB id 227 SPD RS09110 WP 000282467.1	...DLADLV	EEEEELPF	131
NTDB id 193 SPR RS08685 WP 000282467.1	...DLADLV	EEEEELPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	...DLTDLV	EEEEELPF	131
NTDB id 409 SMU RS08940 WP 002263454.1	...DLADLV	EEEEELPF	131
consensus	** *****		

 non conserved
 similar
 $\geq 50\%$ conserved