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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGA	AVGTF	SM	AVNRQ	FTNANG	DREADF	IN	CV	IWRK	SAENF	AN	FT	TK	KGSL	V	GVDGR	LQ	TR	80	
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTP	NGA	AVAT	FTL	AVNR	FT	FT	QS	GERE	AD	FI	NC	VT	WR	QAEN	V	AN	FL	KGSL	80
NTDB id 1019194 ABOR80 RS18285 WP 012118637.1	MFNFHVMVLVGRLLTKDPEL	RFTA	GIP	VA	HIT	LAVNR	NFK	SAS	GET	GT	DF	VN	CT	IWRK	NA	ENT	AL	YC	KGSM	80
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLLTKDPELRY	TS	GAA	VA	HVT	LAVNR	SF	KN	AS	GE	I	EAD	Y	VN	CT	LWR	KTA	ENT	AL	80
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRL	TNA	PE	I	SKTT	NN	KS	YVR	VT	LAVNR	RF	KN	E	K	GERE	AD	F	I	80
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIMIGRLTSTPELHKT	NN	KS	VAR	ATI	AVNR	RY	KD	QNG	ERE	AD	FV	NM	VL	WG	KLA	E	S	L	80
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLTSTPELHKT	NN	KS	VAR	ATI	AVNR	RY	KD	QNG	ERE	AD	FV	NM	VL	WG	R	L	A	E	80
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVILIGRLTSTPELHKT	NN	KS	VAR	ATI	AVNR	RY	KD	QNG	ERE	AD	FV	NM	VL	WG	R	L	A	E	80
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIMIGRLTSTPELHKT	NN	KS	VAR	ATI	AVNR	RY	KD	QNG	ERE	AD	FV	NM	VL	WG	R	L	A	E	80
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIMIGRLTSTPELHKT	NN	KS	VAR	ATI	AVNR	RY	KD	QNG	ERE	AD	FV	NM	VL	WG	R	L	A	E	80
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIMIGRLTSTPELHKT	NN	KS	VAR	ATI	AVNR	RY	KD	QNG	ERE	AD	FV	NM	VL	WG	R	L	A	E	80
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLTAAPE	VM	KTP	SP	NK	SV	T	H	I	L	AVNR	RF	K	T	QD	GE	R	Q	AD	80
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVILIGRLVATPE	VM	KTP	PKD	KS	V	TR	V	T	L	AVNR	RF	K	S	QD	GE	K	Q	AD	80
consensus	**!******!!!!* *** *! * ***** **!!!!!!** * !*****!*****!*****!*****!*****!*****!*****!																			80

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NTDB id 624 LCA RS00040 WP 011373726.1	NYENQGGQRVYVTEVVDNF	SLLES	RTT	TTE	QR	Q	DG	AS	QNF	NS	NQ	SN	GS	Q		Q	S	G	F	T	153
NTDB id 113 BSU 40900 NP 391970.1	NYENQGGQRVFVTEVQA	ESV	Q	F	L	E	P	K	N	G	G	G	S	G	S	G	.....	G	Y	N	155
NTDB id 1019194 ABOR80 RS18285 WP 012118637.1	SYEKTDGKVKVYVTEV	MAD	T	V	R	F	M	D	Q	K	K	E	P	L	A	E	.....	.....	.....	.....	113
NTDB id 112 BSU 36310 NP 391512.2	SYENEEGVNVYVTEV	LAD	T	V	R	F	M	D	P	K	P	R	E	K	A	A	D	.....	.....	.....	113
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTDKNEQKHYTEIL	G	L	S	Y	D	L	L	E	S	R	A	T	L	A	I	R	E	S	A	116
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE.KNGQMNYVTEV	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	118
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE.KNGQMNYVTEV	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	118
NTDB id 158 SP RS09595 WP 000282442.1	RFE.KNGQMNYVTEV	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	118
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE.KNGQMNYVTEV	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	118
NTDB id 227 SPD RS09110 WP 000282467.1	RFE.KNGQMNYVTEV	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	118
NTDB id 193 SPR RS08685 WP 000282467.1	RFE.KNGQMNYVTEV	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	118
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE.KDGQTHYVTE	I	L	A	Q	S	F	Q	L	L	E	S	R	A	Q	R	A	L	R	E	118
NTDB id 409 SMU RS08940 WP 002263454.1	KYE.KDGVTHFVTEV	L	G	H	S	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	118
consensus	** **** *!!** *****																				118

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NTDB id 624 LCA RS00040 WP 011373726.1	FANNGQAIDIS	DDDL	PF	170	
NTDB id 113 BSU 40900 NP 391970.1	FANDGKPIDIS	DDDL	PF	172	
NTDB id 1019194 ABOR80 RS18285 WP 012118637.1	.....	.....	.....	113	
NTDB id 112 BSU 36310 NP 391512.2	.....	.....	.....	113	
NTDB id 597 KW2 RS01935 WP 021036727.1	TEEL	LLEA	DEL	PF	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	LAD	LVLEEEEL	PF	131	
NTDB id 526 SMSK321 RS08825 WP 000282440.1	LAD	LVLEEEEL	PF	131	
NTDB id 158 SP RS09595 WP 000282442.1	LAD	LVLEEEEL	PF	131	
NTDB id 268 KZH43 RS08520 WP 000282467.1	LAD	LVLEEEEL	PF	131	
NTDB id 227 SPD RS09110 WP 000282467.1	LAD	LVLEEEEL	PF	131	
NTDB id 193 SPR RS08685 WP 000282467.1	LAD	LVLEEEEL	PF	131	
NTDB id 583 DLJ51 RS09560 WP 002962590.1	LT	DLVLEEEEL	PF	131	
NTDB id 409 SMU RS08940 WP 002263454.1	LAD	LVLEEEEL	PF	131	
consensus	* * * * *				

 non conserved
 similar
 $\geq 50\%$ conserved