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NTDB id 109 BSU 35450 NP 391425.2	MSNEAGGGIHKLI	CLLCDSQFSQD	VTWRAIFLLK	PDE	KVCYS	CRSKL	KITGHI	CPLCG	IPQS	VHAV	CRDCE	VW	RTIR	79
NTDB id 182974 LLJM2 RS06580 WP 081196668.1	MQT	CLLC	SRII	KQTL	TFSEFF	LLK	NMRNL	ICNK	CQSL	FKK	IPNER	CPRCS	SKSN	68
NTDB id 594 KW2 RS12255 WP 244878749.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
NTDB id 278 KZH43 RS10085 WP 000649974.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
NTDB id 237 SPD RS10760 WP 000649974.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
NTDB id 203 SPR RS10245 WP 000649974.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
NTDB id 168 SP RS11270 WP 000649971.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
NTDB id 508 SM12261 RS09235 WP 000649953.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
NTDB id 536 SMSK321 RS0102865 WP 000649958.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
consensus	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	

logo

NTDB id 109 BSU 35450 NP 391425.2	DSLILRQNR	SVTYND	MMKETL	SRKFR	GDAE	INAF	KSDF	SSTFS	KVYPD	KH	VLP	IPLS	KER	EE	ERG	FNQ	AHL	L	AEC	159					
NTDB id 182974 LLJM2 RS06580 WP 081196668.1	...IIVNHQ	SIF	TYNQAM	KDY	FSLY	KFMG	DYRL	HE	VDFS	YFKN	LSK	.....	KIPL	VPI	PV	SPK	RLQ	ERG	FNQ	139					
NTDB id 594 KW2 RS12255 WP 244878749.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57					
NTDB id 278 KZH43 RS10085 WP 000649974.1	.....	VG	VSHRAIFT	YNQAM	KDFF	SR	YKFD	GD	FLLR	KVFAS	FL	SEELK	..	YKEY	QFV	VIPL	SP	DR	YANR	GF	NQ	VEGL	VEA	141	
NTDB id 237 SPD RS10760 WP 000649974.1	.....	VG	VSHRAIFT	YNQAM	KDFF	SR	YKFD	GD	FLLR	KVFAS	FL	SEELK	..	YKEY	QFV	VIPL	SP	DR	YANR	GF	NQ	VEGL	VEA	141	
NTDB id 203 SPR RS10245 WP 000649974.1	.....	VG	VSHRAIFT	YNQAM	KDFF	SR	YKFD	GD	FLLR	KVFAS	FL	SEELK	..	YKEY	QFV	VIPL	SP	DR	YANR	GF	NQ	VEGL	VEA	141	
NTDB id 168 SP RS11270 WP 000649971.1	.....	VE	VSHRAIFT	YNQAM	KDFF	SR	YKFD	GD	FLLR	KVFAS	FL	SEELK	..	YKEY	QFV	VIPL	SP	DR	YANR	GF	NQ	VEGL	VEA	141	
NTDB id 508 SM12261 RS09235 WP 000649953.1		VE	VSHRAIFT	YNQAM	KDFF	SR	YKFD	GD	FLLR	KVFAS	V	LSEELK	..	YKEY	QFV	VIPL	SP	ER	LL	ER	GF	NQ	VEGL	VEA	141
NTDB id 536 SMSK321 RS0102865 WP 000649958.1		VE	VSHRAIFT	YNQAM	KDFF	SR	YKFD	GD	FLLR	KVFAS	V	LSEELK	..	YKEY	QFV	VIPL	SP	ER	LL	ER	GF	NQ	VEGL	VEA	141
consensus	*	*	*	*	*	*	*	*	*	*	*	!	!	*	*	!	!	*	*	!	!	*	*	*	*

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NTDB id 109 BSU 35450 NP 391425.2	LDRPSHHP	LI	LNNEK	QSKKK	KTER	LL	SE	CIF	DT	KNSA	EGMN	IL	LIDD	LYTT	GAT	LHFA	AN	CLEK	K	AAS	VSS	F	L	R	239	
NTDB id 182974 LLJM2 RS06580 WP 081196668.1	..RAY	LDLLE	KE	ETVR	QSS	LN	HE	GR	LST	SN	PF	KKE	GEK	IP	QKI	L	LIDD	IYTT	G	T	FY	H	A	K	216	
NTDB id 594 KW2 RS12255 WP 244878749.1	..RTY	LDLLE	KE	ETVR	QSS	LN	RE	GR	LST	TN	PF	KKE	GEK	IP	QKI	L	LIDD	IYTT	G	T	FY	H	A	K	134	
NTDB id 278 KZH43 RS10085 WP 000649974.1	AGFEY	LDLLE	KREER	ASS	SKNR	SER	LG	TEL	PF	FI	KS	GV	TIP	PK	KILL	ID	IYTT	G	A	T	IN	RV	KK	LL	220	
NTDB id 237 SPD RS10760 WP 000649974.1	AGFEY	LDLLE	KREER	ASS	SKNR	SER	LG	TEL	PF	FI	KS	GV	TIP	PK	KILL	ID	IYTT	G	A	T	IN	RV	KK	LL	220	
NTDB id 203 SPR RS10245 WP 000649974.1	AGFEY	LDLLE	KREER	ASS	SKNR	SER	LG	TEL	PF	FI	KS	GV	TIP	PK	KILL	ID	IYTT	G	A	T	IN	RV	KK	LL	220	
NTDB id 168 SP RS11270 WP 000649971.1	AGFEY	LDLLE	KREER	ASS	SKNR	SER	LG	TEL	PF	FI	KS	GV	TIP	PK	KILL	ID	IYTT	G	A	T	IN	RV	KK	LL	220	
NTDB id 508 SM12261 RS09235 WP 000649953.1	AGFAY	LDLLE	KREER	ASS	SKNR	SER	LG	TEL	PF	FI	KS	GV	TIP	PK	KILL	ID	IYTT	G	A	T	IN	RV	KK	LL	220	
NTDB id 536 SMSK321 RS0102865 WP 000649958.1	AGFS	EQE	LL	KREER	ASS	SKNR	SER	LG	TEL	PF	FI	KS	GV	TIP	PK	KILL	ID	IYTT	G	A	T	IN	RV	KK	LL	220
consensus	***	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	

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NTDB id 109 BSU 35450 NP 391425.2	S	240
NTDB id 182974 LLJM2 RS06580 WP 081196668.1	S	216
NTDB id 594 KW2 RS12255 WP 244878749.1	.	134
NTDB id 278 KZH43 RS10085 WP 000649974.1	.	220
NTDB id 237 SPD RS10760 WP 000649974.1	.	220
NTDB id 203 SPR RS10245 WP 000649974.1	.	220
NTDB id 168 SP RS11270 WP 000649971.1	.	220
NTDB id 508 SM12261 RS09235 WP 000649953.1	.	220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1	.	220
consensus		

 non conserved
 similar
 $\geq 50\%$ conserved