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NTDB id 109 BSU 35450 NP 391425.2	MSNEAGGGIHKLI	CLLCDSQFSQD	VTWRAIFLLK	PDE	KVCYS	CRSKL	KITGHI	CPLCGIPQS	VHAV	CRDCE	VWRTRIR	79
NTDB id 84075 JG741 RS02920 WP 061777995.1	MQT	CLLC	SRIR	KQTL	TFSEFF	LLK	NMRNL	ICNK	CQSL	FKK	IPNERCPRCS	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	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	

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NTDB id 109 BSU 35450 NP 391425.2	DSLILRQNR	SVTYNDMM	KETLSR	KFRGDAE	INAF	KSDF	SSTFSK	VYPD	KH	VLP	IPLSK	EREE	ERG	NQ	AHL	L	AEC	159
NTDB id 84075 JG741 RS02920 WP 061777995.1	...IIVNHQS	SIFTYNQAM	KDYFSL	YKFMG	DYRL	HEV	FD	SYFKN	LSK	.....	KIPL	VPI	PVSP	KRL	Q	ERGF	NQ	139
NTDB id 594 KW2 RS12255 WP 244878749.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
NTDB id 278 KZH43 RS10085 WP 000649974.1	...VGVSHRA	IFTYNQAM	KDFFS	RYKFD	GD	FLLR	KVF	FAS	LSEEL	K	..	YKEY	QF	VV	IPL	SP	DR	141
NTDB id 237 SPD RS10760 WP 000649974.1	...VGVSHRA	IFTYNQAM	KDFFS	RYKFD	GD	FLLR	KVF	FAS	LSEEL	K	..	YKEY	QF	VV	IPL	SP	DR	141
NTDB id 203 SPR RS10245 WP 000649974.1	...VGVSHRA	IFTYNQAM	KDFFS	RYKFD	GD	FLLR	KVF	FAS	LSEEL	K	..	YKEY	QF	VV	IPL	SP	DR	141
NTDB id 168 SP RS11270 WP 000649971.1	...VEVSHRA	IFTYNQAM	KDFFS	RYKFD	GD	FLLR	KVF	FAS	LSEEL	K	..	YKEY	QF	VV	IPL	SP	DR	141
NTDB id 508 SM12261 RS09235 WP 000649953.1	...VEVSHRA	IFTYNQAM	KDFFS	RYKFD	GD	FLLR	KVF	FAS	LSEEL	K	..	YKEY	QF	VV	IPL	SP	DR	141
NTDB id 536 SMSK321 RS0102865 WP 000649958.1	...VEVSHRA	IFTYNQAM	KDFFS	RYKFD	GD	FLLR	KVF	FAS	LSEEL	K	..	YKEY	QF	VV	IPL	SP	DR	141
consensus	*	*****	*****	*****	*****	*****	*****	*****	*****	*	*****	*****	*****	*****	*****	*****	*****	

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NTDB id 109 BSU 35450 NP 391425.2	LDRPSHHP	LI	LNNEKQ	SKKK	TERLL	SE	CIFD	T	KNSA	E	GMN	I	L	IDDL	YTTG	A	T	L	HFAA	C	LEK	K	AAS	V	S	S	F	L	R	239		
NTDB id 84075 JG741 RS02920 WP 061777995.1	..RAYLDL	LEKE	ITVRQ	SSLN	REGRL	ST	SNPF	K	KEGEK	IPQ	KI	L	IDDI	YTTG	T	TFY	H	A	K	..	TL	KK	AN	P	I	E	I	T	T	216		
NTDB id 594 KW2 RS12255 WP 244878749.1	..RTYLDL	LEKE	ITVRQ	SSLN	REGRL	ST	SNPF	K	KEGEK	IPQ	KI	L	IDDI	YTTG	T	TFY	H	A	K	..	TL	KK	AN	P	I	E	I	T	T	134		
NTDB id 278 KZH43 RS10085 WP 000649974.1	AGFEYLDL	LEKREER	ASSSK	NR	SERL	GT	ELP	FFIK	SGVT	IP	KK	I	L	IDDI	YTTG	A	T	I	N	R	V	K	..	L	LEE	E	A	G	A	220		
NTDB id 237 SPD RS10760 WP 000649974.1	AGFEYLDL	LEKREER	ASSSK	NR	SERL	GT	ELP	FFIK	SGVT	IP	KK	I	L	IDDI	YTTG	A	T	I	N	R	V	K	..	L	LEE	E	A	G	A	220		
NTDB id 203 SPR RS10245 WP 000649974.1	AGFEYLDL	LEKREER	ASSSK	NR	SERL	GT	ELP	FFIK	SGVT	IP	KK	I	L	IDDI	YTTG	A	T	I	N	R	V	K	..	L	LEE	E	A	G	A	220		
NTDB id 168 SP RS11270 WP 000649971.1	AGFEYLDL	LEKREER	ASSSK	NR	SERL	GT	ELP	FFIK	SGVT	IP	KK	I	L	IDDI	YTTG	A	T	I	N	R	V	K	..	L	LEE	E	A	G	A	220		
NTDB id 508 SM12261 RS09235 WP 000649953.1	AGFAYLDL	LEKREER	ASSSK	S	R	SERL	E	T	E	F	P	F	I	K	S	G	V	T	I	P	K	K	I	L	I	D	I	Y	T	T	220	
NTDB id 536 SMSK321 RS0102865 WP 000649958.1	AGFS	Q	E	L	L	E	K	R	E	E	R	A	S	S	K	N	R	S	E	R	L	G	T	E	L	P	F	F	I	K	R	220
consensus	***	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****		

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NTDB id 109 BSU 35450 NP 391425.2	S	240
NTDB id 84075 JG741 RS02920 WP 061777995.1	.	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