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NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEAT.....	12
NTDB id 337152 EQH38 RS07940 WP 000882523.1	MLCQNCNKINDST.....	12
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCNKINDST.....	12
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCNKINDST.....	12
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCNKINDST.....	12
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCNKINDST.....	12
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCNKINEAT.....	12
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIG.....R	70
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSDDLIDL.....EDLSSH	72
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 377 SMU RS09275 WP 002262344.1	MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS	76
NTDB id 297 STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLEAERFESPFLTWHVLLAMVEVTGSAAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLS	76
NTDB id 329 STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESPFLTWHVLLAMVEVPGSAAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLS	76
consensus	* * *	

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NTDB id 601 KW2 RS02615 WP 021036805.1	IHLYTSVNGQKQKIDLCQNCYQI...MKSGGQEAALFGAGNASNGNSDE.....PFNPF.FNDIFSALQG.	71
NTDB id 337152 EQH38 RS07940 WP 000882523.1	IHLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNF	69
NTDB id 241 SP RS04015 WP 000882523.1	IHLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNF	69
NTDB id 281 KZH43 RS03550 WP 000882517.1	IHLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNF	69
NTDB id 245 SPD RS03860 WP 000882517.1	IHLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNF	69
NTDB id 243 SPR RS03635 WP 000882517.1	IHLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNF	69
NTDB id 378 SMU RS02690 WP 002263569.1	IHLYANVNGQKQKIDLCQNCYQI...MKTDPENGPLNHLSSQNSSS.....INPFDDFFFGDLNNF	70
NTDB id 85 BSU 00860 NP 387967.1	GQEMSQTIHYTPRAKKVIELSMDEARKLGHSYVGTTEHILLGLIREGEGVAARVLNNLGVSLNKAQQVLQL.....	141
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKVKRSTLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKL.....QKINIVSLRKELEKR	143
NTDB id 287 SP RS11210 WP 001109712.1	QDETFTTELPFSRRLQVLFDDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEER	150
NTDB id 290 KZH43 RS10025 WP 001109677.1	QDETFTTELPFSRRLQILFDDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEER	150
NTDB id 289 SPD RS10700 WP 001109677.1	QDETFTTELPFSRRLQILFDDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEER	150
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NTDB id 297 STER RS00545 WP 011680614.1	ESDIIDLRAQSPALEAMLQEAQEIASVTGAVEVGESEHVLMAFLLHKDLMVCRLLEVAGFYKDDSDKPRIIDLRRSLERN	156
NTDB id 329 STU RS10020 WP 011225298.1	ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGESEHVLMAFLLHKDLMVCRLLEVAGFYKDDSDKPRIIDLRRSLERN	156
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NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
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NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

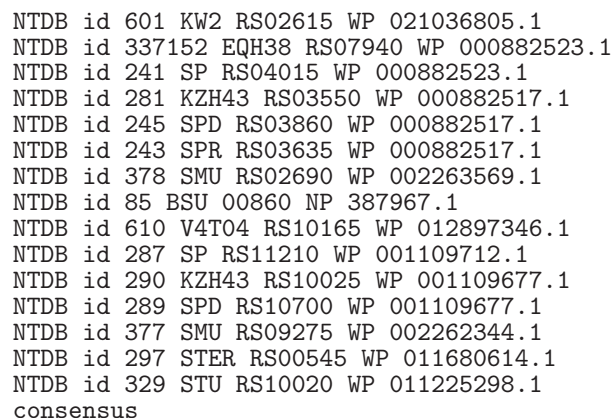
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NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
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NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

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NTDB	id	601	KW2	RS02615	WP	021036805.1	KAE	D	E	K	A	A	H	F	R	D	Q	I	A	K	Y	K	E	M	Q	S	L	R	E	L	Q	K	.	.	.	.	.	.	Q	E	V	T	D	E	M	P	V	I	T	E	K	D	I	E	Q	I	V	E	Q	K	T	Q	I	P	V	G	D	L	K	E	K	E	Q	I	T	L	I	N	L	A	D	L	K	A	H	V	I		447																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	337152	EQH38	RS07940	WP	000882523.1	R	E	D	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	S	L	R	E	L	Q	K	.	.	.	.	.	.	K	K	I	T	D	Q	D	T	P	S	I	S	E	K	T	I	E	H	I	I	E	Q	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	H	L	A	E	D	L	K	S	H	V	I		453																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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NTDB	id	281	KZH43	RS03550	WP	000882517.1	R	E	D	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	S	L	R	E	L	Q	K	.	.	.	.	.	.	K	K	I	T	D	Q	D	T	P	I	S	E	K	T	I	E	H	I	I	E	Q	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	H	L	A	E	D	L	K	S	H	V	I		453																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB	id	245	SPD	RS03860	WP	000882517.1	R	E	D	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	S	L	R	E	L	Q	K	.	.	.	.	.	.	K	K	I	T	D	Q	D	T	P	I	S	E	K	T	I	E	H	I	I	E	Q	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	H	L	A	E	D	L	K	S	H	V	I		453																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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NTDB	id	85	BSU	00860	NP	387967.1	Q	S	Q	E	E	K	A	A	S	L	R	D	T	E	Q	R	L	R	E	Q	V	E	D	T	K	K	S	W	K	E	K	Q	G	Q	E	N	S	E	V	T	V	D	D	I	A	M	V	V	S	S	W	T	G	P	V	P	S	K	I	A	Q	T	E	T	D	K	L	N	M	E	N	I	L	H	S	R	V	I		511																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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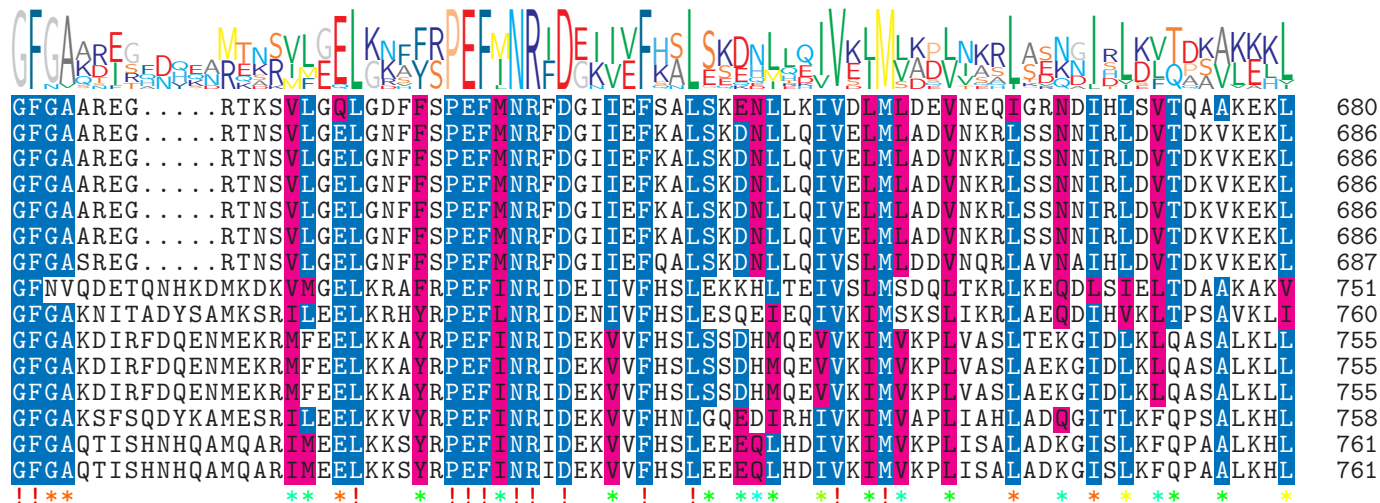
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NTDB	id	601	KW2	RS02615	WP	021036805.1	GQDD	AVDK	IS	KA	IR	SR	VL	GL	KPN	RP	IG	SF	LF	VG	PT	GV	GK	TEL	AQ	LA	EL	FG	SS	ES	MI	RF	DM	SE	YME	KH	SV	AK	LI	GA	PP	527																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB	id	337152	EQH38	RS07940	WP	000882523.1	GQDD	AVDK	IA	KA	IR	NR	VL	GL	TP	NR	RP	IG	SF	LF	VG	PT	GV	GK	TEL	SK	QL	LA	EL	FG	SAD	SM	IR	FD	DM	SE	YME	KH	SV	AK	LV	GA	PP	533																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	241	SP	RS04015	WP	000882523.1	GQDD	AVDK	IA	KA	IR	NR	VL	GL	TP	NR	RP	IG	SF	LF	VG	PT	GV	GK	TEL	SK	QL	LA	EL	FG	SAD	SM	IR	FD	DM	SE	YME	KH	SV	AK	LV	GA	PP	533																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	281	KZH43	RS03550	WP	000882517.1	GQDD	AVDK	IA	KA	IR	NR	VL	GL	TP	NR	RP	IG	SF	LF	VG	PT	GV	GK	TEL	SK	QL	LA	EL	FG	SAD	SM	IR	FD	DM	SE	YME	KH	SV	AK	LV	GA	PP	533																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	245	SPD	RS03860	WP	000882517.1	GQDD	AVDK	IA	KA	IR	NR	VL	GL	TP	NR	RP	IG	SF	LF	VG	PT	GV	GK	TEL	SK	QL	LA	EL	FG	SAD	SM	IR	FD	DM	SE	YME	KH	SV	AK	LV	GA	PP	533																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	243	SPR	RS03635	WP	000882517.1	GQDD	AVDK	IA	KA	IR	NR	VL	GL	TP	NR	RP	IG	SF	LF	VG	PT	GV	GK	TEL	SK	QL	LA	EL	FG	SAD	SM	IR	FD	DM	SE	YME	KH	SV	AK	LV	GA	PP	533																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	378	SMU	RS02690	WP	002263569.1	GQDA	AVDK	IA	KA	IR	NR	VL	GL	TP	NR	RP	IG	SF	LF	VG	PT	GV	GK	TEL	SK	QL	LA	EL	FG	SED	SM	IR	FD	DM	SE	YME	KH	AV	AK	LV	GA	PP	534																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	85	BSU	00860	NP	387967.1	GQDE	AVVA	VA	KA	VR	RA	RA	CL	KD	PK	RP	IG	SF	IF	LG	PT	GV	GK	TEL	AR	AL	AE	S	IF	GD	ES	MI	RI	DM	SE	YME	KH	ST	SR	LV	GS	PP	591																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	610	V4T04	RS10165	WP	012897346.1	GQEE	ATSA	VS	RA	IR	NR	ARS	GV	AD	SR	RP	IG	SF	MF	LG	PT	GV	GK	TEL	AK	AL	AD	S	VF	GD	EN	MI	RV	DM	SE	F	ME	KH	ST	SR	LI	GA	PP	600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	287	SP	RS11210	WP	001109712.1	GQDQ	AVSS	IS	RA	IR	NR	NQS	GI	RS	HK	RP	IG	SF	MF	LG	PT	GV	GK	TEL	AK	LA	AE	VL	FDD	ES	AL	IR	FD	DM	SE	YME	KE	FA	AS	RL	NG	GA	PP	595																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	290	KZH43	RS10025	WP	001109677.1	GQDQ	AVSS	IS	RA	IR	NR	NQS	GI	RS	HK	RP	IG	SF	MF	LG	PT	GV	GK	TEL	AK	LA	AE	VL	FDD	ES	AL	IR	FD	DM	SE	YME	KE	FA	AS	RL	NG	GA	PP	595																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	289	SPD	RS10700	WP	001109677.1	GQDQ	AVSS	IS	RA	IR	NR	NQS	GI	RS	HK	RP	IG	SF	MF	LG	PT	GV	GK	TEL	AK	LA	AE	VL	FDD	ES	AL	IR	FD	DM	SE	YME	KE	FA	AS	RL	NG	GA	PP	595																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	377	SMU	RS09275	WP	002262344.1	GQDD	AVSS	IS	RA	IR	NR	NQS	GI	RV	GK	RP	IG	SF	MF	LG	PT	GV	GK	TEL	AK	LA	AE	VL	FDD	ES	AL	IR	FD	DM	SE	YME	KE	FA	AS	RL	NG	GA	PP	598																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	297	STER	RS00545	WP	011680614.1	GQDE	AVSA	IS	RA	IR	NR	NQS	GI	RT	GK	RP	IG	SF	MF	LG	PT	GV	GK	TEL	AK	LA	AE	VL	FDD	ES	AL	IR	FD	DM	SE	YME	KE	FA	AS	RL	NG	GA	PP	601																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	329	STU	RS10020	WP	011225298.1	GQDE	AVSA	IS	RA	IR	NR	NQS	GI	RT	GK	RP	IG	SF	MF	LG	PT	GV	GK	TEL	AK	LA	AE	VL	FDD	ES	AL	IR	FD	DM	SE	YME	KE	FA	AS	RL	NG	GA	PP	601																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 337152 EQH38 RS07940 WP 000882523.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

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logo



☐ non conserved
☒ similar
☒ ≥ 50% conserved