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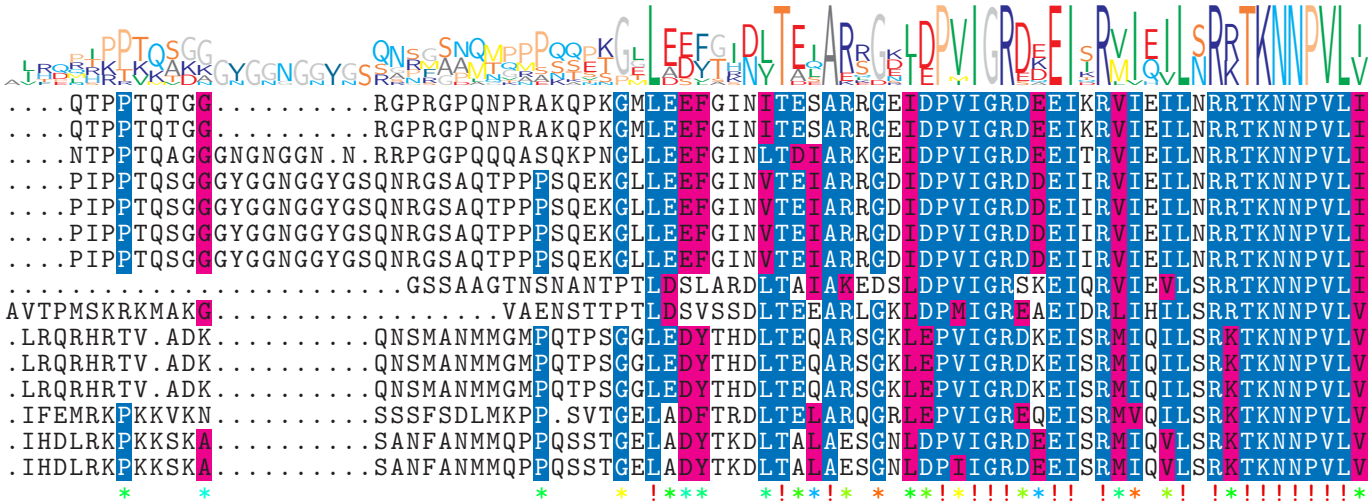
NTDB id 26554 LACR RS02805 WP 011675568.1	M..CQNCNINEA.....TI	13
NTDB id 601 KW2 RS02615 WP 021036805.1	M..CQNCNINEA.....TI	13
NTDB id 378 SMU RS02690 WP 002263569.1	M..CQNCNINEA.....TI	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	M..CQNCNINDS.....TI	13
NTDB id 245 SPD RS03860 WP 000882517.1	M..CQNCNINDS.....TI	13
NTDB id 243 SPR RS03635 WP 000882517.1	M..CQNCNINDS.....TI	13
NTDB id 241 SP RS04015 WP 000882523.1	M..CQNCNINDS.....TI	13
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTEAQQKVLALAQEEALRLGHNNIGTEHILLGLVREGEITAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYPTLDRILEKAEEYAHQYQGTIESAHLLEAMATTSGSLAYSLLAGMNVDSDDLIDL.....EDLSSHVKVKR	77
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 377 SMU RS09275 WP 002262344.1	...MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADVRFEDYQAAAILAIGKKPKSSSN..DI	79
NTDB id 297 STER RS00545 WP 011680614.1	...MTIYSRKMQAIFHRAQLEAERFESPFLFETWHVLLAMVEVTGSMAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
NTDB id 329 STU RS10020 WP 011225298.1	...MTIYSRKMQAIFHRAQLEAERFESPFLFETWHVLLAMVEVPGSMAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
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NTDB id 26554 LACR RS02805 WP 011675568.1	HLYTSVNCQKKQIDLCQNCYQ...IMKSGGTEALFGAGNASNGNSDEP.....FNP.FNDIFSALQGG.DFNGAASN.	80
NTDB id 601 KW2 RS02615 WP 021036805.1	HLYTSVNCQKKQIDLCQNCYQ...IMKSGGTEALFGAGNASNGNSDEP.....FNP.FNDIFSALQGG.DFNGAASN.	80
NTDB id 378 SMU RS02690 WP 002263569.1	HLYANVNCQKKQIDLCQNCYQ...IMKTDPENGPLNHISQQNSSS.....INPFDDFFGDLNNFRAFNNQDLP.	79
NTDB id 281 KZH43 RS03550 WP 000882517.1	HLYTNLNCQKKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TP.	76
NTDB id 245 SPD RS03860 WP 000882517.1	HLYTNLNCQKKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TP.	76
NTDB id 243 SPR RS03635 WP 000882517.1	HLYTNLNCQKKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TP.	76
NTDB id 241 SP RS04015 WP 000882523.1	HLYTNLNCQKKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFFNDLNNFRPSSN..TP.	76
NTDB id 85 BSU 00860 NP 387967.1	QTIHYTPRAKKVIELSMDEARKLGHSYVCTEHLILLGLIREGEVAAARVLNNLGVSLNKARQQVLQL.....LCSNET....	147
NTDB id 610 V4T04 RS10165 WP 012897346.1	STLRFSPRAEEVMTAASFLAIHNNSEAVCTEHLIYALLQVEDGFGLQLLKL.....QKINIVSRKELEKRTGLKVPESKK	153
NTDB id 290 KZH43 RS10025 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 289 SPD RS10700 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 287 SP RS11210 WP 001109712.1	TELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 377 SMU RS09275 WP 002262344.1	MILEQSHALKITLAEAAAISQVTHAKEVCTEHLVLFAMLLNPNLLATRILELVGFHAKDDGESIRLLDLRKVTERYACFSKEDIKA	164
NTDB id 297 STER RS00545 WP 011680614.1	DIRAQSPALEAMQEAEIASVTGAVEVGESEHVLMAFLHKLDMVCRLLLEVAGFYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
NTDB id 329 STU RS10020 WP 011225298.1	DIRAQSPALEAMQEAEIASVTGAVEVGESEHVLMAFLHKLDMVCRLLLEVAGFYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
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NTDB id 26554 LACR RS02805 WP 011675568.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
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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
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NTDB id 26554 LACR RS02805 WP 011675568.1
NTDB id 601 KW2 RS02615 WP 021036805.1
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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
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NTDB id	26554	LACR	RS02805	WP	011675568.1	EVTDEDMPVITEKDI	EQIV	EQKT	TQIP	VGDL	KEKE	EQTQL	INL	ADDL	KAHV	IGQD	EAVDK	ISK	AI	RRSR	RVGL	GKPN	RP	IGS	FL	FVGP	482									
NTDB id	601	KW2	RS02615	WP	021036805.1	EVTDEDMPVITEKDI	EQIV	EQKT	TQIP	VGDL	KEKE	EQTQL	INL	ADDL	KAHV	IGQD	EAVDK	ISK	AI	RRSR	RVGL	GKPN	RP	IGS	FL	FVGP	482									
NTDB id	378	SMU	RS02690	WP	002263569.1	KIKDKENTPVI	EKNIE	VEQKT	NI	PV	GEL	KEKE	EQSQL	IHL	ADDL	LKTR	VIGQD	AAVDK	IAK	AI	RRNR	VGL	GTPN	RP	IGS	FL	FVGP	489								
NTDB id	281	KZH43	RS03550	WP	000882517.1	KITDQDTP	IISEKT	IEHII	EQKT	NI	PV	GDL	KEKE	EQSQL	IHL	AEDL	KSHV	IGQD	DAVDK	IAK	AI	RRNR	VGL	GTPN	RP	IGS	FL	FVGP	488							
NTDB id	245	SPD	RS03860	WP	000882517.1	KITDQDTP	IISEKT	IEHII	EQKT	NI	PV	GDL	KEKE	EQSQL	IHL	AEDL	KSHV	IGQD	DAVDK	IAK	AI	RRNR	VGL	GTPN	RP	IGS	FL	FVGP	488							
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NTDB id	241	SP	RS04015	WP	000882523.1	KITDQDTP	SISEKT	IEHII	EQKT	NI	PV	GDL	KEKE	EQSQL	IHL	AEDL	KSHV	IGQD	DAVDK	IAK	AI	RRNR	VGL	GTPN	RP	IGS	FL	FVGP	488							
NTDB id	85	BSU	00860	NP	387967.1	EKQGGENSEV	TVD	DI	AMV	VSSW	TGVP	VS	KAQ	TETD	KL	LN	YENI	LHSR	VIGQD	EAVVA	AKA	VRR	AR	AGL	KDPK	RP	IGS	FI	FLGP	546						
NTDB id	610	V4T04	RS10165	WP	012897346.1	.VKEDKRQEV	TDQAV	AV	ASTL	TGVP	IT	QMTK	SESD	RL	IN	L	EKEL	LHKRV	VGGEE	ATSA	V	S	RAIR	RR	ARS	GVAD	SR	RP	IGS	FM	FLGP	555				
NTDB id	290	KZH43	RS10025	WP	001109677.1	.VPV.YKDL	LV	TESD	IL	TT	SRLS	G	IPV	QKL	TQ	TDA	KKY	N	LEA	L	HKRV	VIGQD	QAVSS	IS	RAIR	RR	N	QSG	IR	SHK	RP	IGS	FM	FLGP	550	
NTDB id	289	SPD	RS10700	WP	001109677.1	.VPV.YKDL	LV	TESD	IL	TT	SRLS	G	IPV	QKL	TQ	TDA	KKY	N	LEA	L	HKRV	VIGQD	QAVSS	IS	RAIR	RR	N	QSG	IR	SHK	RP	IGS	FM	FLGP	550	
NTDB id	287	SP	RS11210	WP	001109712.1	.VPV.YKDL	LV	TESD	IL	TT	SRLS	G	IPV	QKL	TQ	TDA	KKY	N	LEA	L	HKRV	VIGQD	QAVSS	IS	RAIR	RR	N	QSG	IR	SHK	RP	IGS	FM	FLGP	550	
NTDB id	377	SMU	RS09275	WP	002262344.1	.PLLKKRAE	VKEED	IL	AT	LSK	LSG	IPV	KKL	TQ	AD	SKKY	N	L	EREL	L	HKRV	VIGQD	DAVSS	IS	RAIR	RR	N	QSG	IR	VGK	RP	IGS	FM	FLGP	553	
NTDB id	297	STER	RS00545	WP	011680614.1	.AKFPKPAL	V	DADQ	LM	QT	SRLS	G	IPV	EKM	TQ	T	SKRY	N	L	ESL	L	HKRV	VIGQD	EAVSA	IS	RAIR	RR	N	QSG	IR	TGK	RP	IGS	FM	FLGP	556
NTDB id	329	STU	RS10020	WP	011225298.1	.AKFPKPAL	V	DADQ	LM	QT	SRLS	G	IPV	EKM	TQ	T	SKRY	N	L	ESL	L	HKRV	VIGQD	EAVSA	IS	RAIR	RR	N	QSG	IR	TGK	RP	IGS	FM	FLGP	556
consensus						*		****	*	**	*	*!* *	*		*****	*	!	*	!*!*	!*!* *	*****	!*!*	*****	!* *	!!*!!*	!*!* *										

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NTDB id	26554	LACR	RS02805	WP	011675568.1	TGVGKTELAK	Q	L	A	K	E	L	F	G	S	S	E	S	M	I	R	F	D	M	S	E	Y	M	E	K	H	S	V	A	K	L	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	R	V	R	N	P	Y	S	L	I	L	L	D	E	I	E	K	A	H	P	D	V	M	H	M	F	L	567																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id	601	KW2	RS02615	WP	021036805.1	TGVGKTELAK	Q	L	A	K	E	L	F	G	S	S	E	S	M	I	R	F	D	M	S	E	Y	M	E	K	H	S	V	A	K	L	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	R	V	R	N	P	Y	S	L	I	L	L	D	E	I	E	K	A	H	P	D	V	M	H	M	F	L	567																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id	378	SMU	RS02690	WP	002263569.1	TGVGKTEL	S	K	Q	L	A	I	E	L	F	G	S	S	E	S	M	I	R	F	D	M	S	E	Y	M	E	K	H	A	V	A	K	L	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	K	V	R	N	P	Y	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	574																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id	281	KZH43	RS03550	WP	000882517.1	TGVGKTEL	S	K	Q	L	A	I	E	L	F	G	S	S	E	S	M	I	R	F	D	M	S	E	Y	M	E	K	H	S	V	A	K	L	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	K	V	R	N	P	Y	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id	245	SPD	RS03860	WP	000882517.1	TGVGKTEL	S	K	Q	L	A	I	E	L	F	G	S	S	E	S	M	I	R	F	D	M	S	E	Y	M	E	K	H	S	V	A	K	L	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	K	V	R	N	P	Y	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id	243	SPR	RS03635	WP	000882517.1	TGVGKTEL	S	K	Q	L	A	I	E	L	F	G	S	S	E	S	M	I	R	F	D	M	S	E	Y	M	E	K	H	S	V	A	K	L	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	K	V	R	N	P	Y	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id	241	SP	RS04015	WP	000882523.1	TGVGKTEL	S	K	Q	L	A	I	E	L	F	G	S	S	E	S	M	I	R	F	D	M	S	E	Y	M	E	K	H	S	V	A	K	L	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	K	V	R	N	P	Y	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id	85	BSU	00860	NP	387967.1	TGVGKTEL	A	R	A	L	A	E	S	I	F	G	D	E	S	M	I	R	T	D	M	S	E	Y	M	E	K	H	S	T	S	R	L	V	G	S	P	P	G	Y	V	G	Y	E	D	E	G	Q	L	T	E	K	V	R	R	K	P	Y	S	V	V	L	L	D	E	I	E	K	A	H	P	D	V	F	N	I	L	631																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB id	610	V4T04	RS10165	WP	012897346.1	TGVGKTEL	A	K	A	L	A	D	S	V	F	G	S	E	D	N	M	I	R	V	D	M	S	E	Y	M	E	K	H	S	T	S	R	L	I	G	A	P	P	G	Y	V	G	Y	E	D	E	G	Q	L	T	E	R	V	R	N	K	P	Y	S	V	V	L	D	E	V	E	K	A	H	P	D	V	F	N	I	M	L	640																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id	290	KZH43	RS10025	WP	001109677.1	TGVGKTEL	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	E	E	G	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	F	D	E	V	E	K	A	H	P	D	I	F	N	V	L	635																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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NTDB id	287	SP	RS11210	WP	001109712.1	TGVGKTEL	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	E	E	G	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	F	D	E	V	E	K	A	H	P	D	I	F	N	V	L	635																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB id	377	SMU	RS09275	WP	002262344.1	TGVGKTEL	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	E	E	G	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	F	D	E	V	E	K	A	H	P	D	I	F	N	V	L	638																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB id	297	STER	RS00545	WP	011680614.1	TGVGKTEL	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	E	D	E	G	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	F	D	E	I	E	K	A	H	P	D	I	F	N	V	L	641																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id	329	STU	RS10020	WP	011225298.1	TGVGKTEL	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	E	D	E	G	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	F	D	E	I	E	K	A	H	P	D	I	F	N	V	L	641																																																																																																																																																																																																																																																																																																																																																																																																																																																											
consensus						!!!!!!	*	*	!!		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

logo

NTDB id	26554	LACR	RS02805	WP	011675568.1	ISNQTQETAETTDEEVP	748
NTDB id	601	KW2	RS02615	WP	021036805.1	ISNQTQETAETTDEEVP	748
NTDB id	378	SMU	RS02690	WP	002263569.1	VIKASNK.VETVTKATSD.	753
NTDB id	281	KZH43	RS03550	WP	000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id	245	SPD	RS03860	WP	000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id	243	SPR	RS03635	WP	000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id	241	SP	RS04015	WP	000882523.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id	85	BSU	00860	NP	387967.1	VVKTTAKTN.....	810
NTDB id	610	V4T04	RS10165	WP	012897346.1	KIAQIV.....	816
NTDB id	290	KZH43	RS10025	WP	001109677.1	KFDIA.....	810
NTDB id	289	SPD	RS10700	WP	001109677.1	KFDIA.....	810
NTDB id	287	SP	RS11210	WP	001109712.1	KFDIA.....	810
NTDB id	377	SMU	RS09275	WP	002262344.1	KFDIV.....	813
NTDB id	297	STER	RS00545	WP	011680614.1	TFTVV.....	816
NTDB id	329	STU	RS10020	WP	011225298.1	TFTVV.....	816
consensus							

-  non conserved
-  similar
-  $\geq 50\%$ conserved