

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEA.....TI	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCNKINDS.....TI	13
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCNKINDS.....TI	13
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCNKINDS.....TI	13
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCNKINDS.....TI	13
NTDB id 71736 EL269 RS02955 WP 000882549.1	MLCQNCNKINDS.....TI	13
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCNKINEA.....TI	13
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTEAQQVLALAQEEALRLGHNNIGTEHILLGLVREGGIAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLAAMATTSGSIAYSLLAGMNVDSDDLIDL.....EDLSSHVKVKR	77
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 377 SMU RS09275 WP 002262344.1	MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADRVFEDYQAAAAILAIGKKPKSSSN..DI	79
NTDB id 297 STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDII	81
NTDB id 329 STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDII	81
consensus	**.....*	**

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NTDB id 601 KW2 RS02615 WP 021036805.1	HLYTSVNGCQKQIDLCQNCYQI...MKSGGQEAALFGAGNASNGNSDEPF.....NPFNDIFSALQGG.QDFNGAASNQ	81
NTDB id 281 KZH43 RS03550 WP 000882517.1	HLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTTP	77
NTDB id 245 SPD RS03860 WP 000882517.1	HLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTTP	77
NTDB id 243 SPR RS03635 WP 000882517.1	HLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTTP	77
NTDB id 241 SP RS04015 WP 000882523.1	HLYTNLNGKQKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTTP	77
NTDB id 71736 EL269 RS02955 WP 000882549.1	HLYTNVNGKQKQVLDLCQNCYQI...IKTDPNPLFSGLNHVSHAPGGIN.....PFFDDFFGDLNNFRAFNGQDLPN	82
NTDB id 378 SMU RS02690 WP 002263569.1	HLYANVNGCQKQIDLCQNCYQI...MKTDPENGPLNHLSSQ..QNSSSIN.....PFFDDFFGDLNNFRAFNNQDLPN	80
NTDB id 85 BSU 00860 NP 387967.1	QTIHYTPRAKKVIELSMDEARKLGHSYVGTTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQL.....LGSNET....	147
NTDB id 610 V4T04 RS10165 WP 012897346.1	STLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGQLQLKL.....QKINIVSLRKELEKRTGLKVPESSKK	153
NTDB id 290 KZH43 RS10025 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 289 SPD RS10700 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 287 SP RS11210 WP 001109712.1	TELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 377 SMU RS09275 WP 002262344.1	MLLEQSHALKRTLAEEAAISQVTHAKEVGTTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	164
NTDB id 297 STER RS00545 WP 011680614.1	DLRAQSPALEAMLQEAQEIASVTGAVEVGESEHVLMAFLLHKDLMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
NTDB id 329 STU RS10020 WP 011225298.1	DLRAQSPALEAMLQEAQGIASVTGAVEVGESEHVLMAFLLHKDLMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
consensus	* * * * *	* * * *

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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
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NTDB id 71736 EL269 RS02955 WP 000882549.1
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 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
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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 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	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	T	Q	L	I	N	L	A	D	D	L	K	A	H	V	I	G	Q	D	E	A	V	D	K	I	S	K	A	I	R	R	S	R	V	G	L	G	K	P	N	R	P	I	G	S	F	L	F	V	G	P		482	
NTDB	id	281	KZH43	RS03550	WP	000882517.1	K	I	T	D	Q	D	T	P	I	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	G	Q	D	E	A	V	D	K	I	A	K	A	I	R	R	N	R	V	G	L	G	T	P	N	R	P	I	G	S	F	L	F	V	G	P		488
NTDB	id	245	SPD	RS03860	WP	000882517.1	K	I	T	D	Q	D	T	P	I	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	G	Q	D	E	A	V	D	K	I	A	K	A	I	R	R	N	R	V	G	L	G	T	P	N	R	P	I	G	S	F	L	F	V	G	P		488
NTDB	id	243	SPR	RS03635	WP	000882517.1	K	I	T	D	Q	D	T	P	I	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	G	Q	D	E	A	V	D	K	I	A	K	A	I	R	R	N	R	V	G	L	G	T	P	N	R	P	I	G	S	F	L	F	V	G	P		488
NTDB	id	241	SP	RS04015	WP	000882523.1	K	I	T	D	Q	D	T	P	I	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	G	Q	D	E	A	V	D	K	I	A	K	A	I	R	R	N	R	V	G	L	G	T	P	N	R	P	I	G	S	F	L	F	V	G	P		488
NTDB	id	71736	EL269	RS02955	WP	000882549.1	K	V	D	D	Q	D	T	P	I	I	T	E	K	T	I	E	H	I	I	E	E	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	N	L	A	D	D	L	K	Q	H	V	I	G	Q	D	E	A	V	K	I	A	K	A	I	R	R	N	R	V	G	L	G	S	P	N	R	P	I	G	S	F	L	F	V	G	P		492	
NTDB	id	378	SMU	RS02690	WP	002263569.1	K	L	D	K	E	N	T	P	V	I	T	E	K	N	I	E	V	I	V	E	Q	K	T	N	I	P	V	G	E	L	K	E	K	E	Q	S	Q	L	I	H	L	A	D	D	L	K	T	R	V	I	G	Q	D	E	A	V	D	K	I	A	K	A	I	R	R	N	R	V	G	L	G	T	P	N	R	P	I	G	S	F	L	F	V	G	P		489
NTDB	id	85	BSU	00860	NP	387967.1	E	K	Q	G	Q	E	N	S	E	V	T	V	D	I	A	M	V	V	S	S	W	T	G	V	P	V	S	K	I	A	Q	T	E	T	D	K	L	I	N	M	E	N	I	L	H	S	R	V	I	G	Q	D	E	A	V	V	A	K	A	V	R	R	A	R	A	C	L	K	D	P	K	R	P	I	G	S	F	I	F	L	G	P		546			
NTDB	id	610	V4T04	RS10165																																																																																									

NTDB id	601 KW2 RS02615 WP 021036805.1	TGVGKTELAKQLAKELFGSS	ESMIRFDMSEYMEKH	SVAKLIGAPPGYVGVEAAGQLTEKVRNRN	PYSLLLDETEKAHPDV	MHMFL	567
NTDB id	281 KZH43 RS03550 WP 000882517.1	TGVGKTEL SK QLAIELFGSAD	SMIRFDMSEYMEKH	SVAKLIGAPPGYVGYDEAAGQLTEKVRHN	PYSLLLDEVEKAHPDV	MHMFL	573
NTDB id	245 SPD RS03860 WP 000882517.1	TGVGKTEL SK QLAIELFGSAD	SMIRFDMSEYMEKH	SVAKLIGAPPGYVGYDEAAGQLTEKVRHN	PYSLLLDEVEKAHPDV	MHMFL	573
NTDB id	243 SPR RS03635 WP 000882517.1	TGVGKTEL SK QLAIELFGSAD	SMIRFDMSEYMEKH	SVAKLIGAPPGYVGYDEAAGLTEKVRHN	PYSLLLDEVEKAHPDV	MHMFL	573
NTDB id	241 SP RS04015 WP 000882523.1	TGVGKTEL SK QLAIELFGSAD	SMIRFDMSEYMEKH	SVAKLIGAPPGYVGYDEAAGLTEKVRHN	PYSLLLDEVEKAHPDV	MHMFL	573
NTDB id	71736 EL269 RS02955 WP 000882549.1	TGVGKTEL SK QLAIELFGSAD	SMIRFDMSEYMEKH	AVAKLIGAPPGYVGVEAAGQLTEKVRNRN	PYSLLLDETEKAHPDV	MHMFL	577
NTDB id	378 SMU RS02690 WP 002263569.1	TGVGKTEL SK QLAIELFGSED	SMIRFDMSEYMEKH	AVAKLIGAPPGYVGVEAAGQLTEKVRNRN	PYSLLLDEVEKAHPDV	MHMFL	574
NTDB id	85 BSU 00860 NP 387967.1	TGVGKTELARALAESIFGD	EESMIRI	DMSEYMEKHSTSR	LVGSPPGYVGYDEGGQLTEKVRNK	PYSVLLDETEKAHPDVFNI	ILL 631
NTDB id	610 V4T04 RS10165 WP 012897346.1	TGVGKTELAKALADS	VFGSEENMIR	VDMEFMEKHSTSR	LIGAPPGYVGYDEGGQLTEKVRNK	PYSVLLDEVEKAHPDVFNI	IML 640
NTDB id	290 KZH43 RS10025 WP 001109677.1	TGVGKTELAKALA	AEVLFDDESALIR	FDMSEYMEKFAASRL	NGAPPGYVGVEEGGELTEKVRNK	PYSVLLFDEVEKAHPDIFNV	LL 635
NTDB id	289 SPD RS10700 WP 001109677.1	TGVGKTELAKALA	AEVLFDDESALIR	FDMSEYMEKFAASRL	NGAPPGYVGVEEGGELTEKVRNK	PYSVLLFDEVEKAHPDIFNV	LL 635
NTDB id	287 SP RS11210 WP 001109712.1	TGVGKTELAKALA	AEVLFDDESALIR	FDMSEYMEKFAASRL	NGAPPGYVGVEEGGELTEKVRNK	PYSVLLFDEVEKAHPDIFNV	LL 635
NTDB id	377 SMU RS09275 WP 002262344.1	TGVGKTELAKALA	AEVLFDDESALIR	FDMSEYMEKFAASRL	NGAPPGYVGVEEGGELTEKVRNK	PYSVLLFDEVEKAHPDIFNI	ILL 638
NTDB id	329 STER RS00545 WP 011680614.1	TGVGKTELAKALA	AEVLFDDESALLR	FDMSEYMEKFAASRL	NGAPPGYVGYDEGGELTEKVRNK	PYSVLLFDETEKAHPDIFNI	ILL 641
NTDB id	297 STU RS10020 WP 011225298.1	TGVGKTELAKALA	AEVLFDDESALLR	FDMSEYMEKFAASRL	NGAPPGYVGYDEGGELTEKVRNK	PYSVLLFDETEKAHPDIFNV	LL 641
consensus		* *	* * * * *	* * * * * *	* * * * *	* * * * *	*

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NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVPAE	748
NTDB id 281 KZH43 RS03550 WP 000882517.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 245 SPD RS03860 WP 000882517.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 71736 EL269 RS02955 WP 000882549.1	IIKSSKKTEESTKG.....	753
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNKVETVTKATSD..	753
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		



- X non conserved
- X similar
- X ≥ 50% conserved