

logo

NTDB id 69814 LLCC RS12380 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	..MMFGRFTEAQQKVLALAQEEALRLGHNNIGTEHILLGLVREGEIAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYPTLDRILEKAEYYAHQYQYGTIESAHLAAATTSGSLAYSLLAGMNVDSDDLIDL.....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	...MTDYSLKMQEVRFLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADVRFEDYQAAAILAIGKKPKSSSN..DI	79
NTDB id 297 STER RS00545 WP 011680614.1	...MTIYSRKMQAIFHRAQLEAERFESPFLFETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
NTDB id 329 STU RS10020 WP 011225298.1	...MTIYSRKMQAIFHRAQLEAERFESPFLFETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
consensus	**.....*	**

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NTDB id 69814 LLCC RS12380 WP 011675568.1	HLYTSVNCQKQIDLCQNCYQ...IMKSGGEALFGAGNASNGNSDEP.....FNP.FNDIFSALQGG.DFNGAASN.	80
NTDB id 601 KW2 RS02615 WP 021036805.1	HLYTSVNCQKQIDLCQNCYQ...IMKSGGEALFGAGNASNGNSDEP.....FNP.FNDIFSALQGG.DFNGAASN.	80
NTDB id 378 SMU RS02690 WP 002263569.1	HLYANVNCQKQIDLCQNCYQ...IMKTDPENGPLNHISQQNSSS.....INPFDDFFGDLNNFRAFNNQDLP.	79
NTDB id 281 KZH43 RS03550 WP 000882517.1	HLYTNLNCQKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFNDLNNFRPSSN..TP.	76
NTDB id 245 SPD RS03860 WP 000882517.1	HLYTNLNCQKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFNDLNNFRPSSN..TP.	76
NTDB id 243 SPR RS03635 WP 000882517.1	HLYTNLNCQKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFNDLNNFRPSSN..TP.	76
NTDB id 241 SP RS04015 WP 000882523.1	HLYTNLNCQKQIDLCQNCYK...IKTDPNNSLFKGMTDLNNRD.....FDP.FGDDFNDLNNFRPSSN..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	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 289 SPD RS10700 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 287 SP RS11210 WP 001109712.1	TELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLVAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 377 SMU RS09275 WP 002262344.1	MLEQSHALKITLAEAAAISQVTHAKEVCTEHLVLFAMLLNPNLLATRILELVGFHAKDDGESIRLLDRKVIERYACFSKEDIKA	164
NTDB id 297 STER RS00545 WP 011680614.1	DIRAQSPALEAMQEAEIASVTGAVEVGEHVLMAFLHKLDMVCRLLLEVAGFYKDDSDKPRIIDLRRLERNAGLSKQDLKA	166
NTDB id 329 STU RS10020 WP 011225298.1	DIRAQSPALEAMQEAEIASVTGAVEVGEHVLMAFLHKLDMVCRLLLEVAGFYKDDSDKPRIIDLRRLERNAGLSKQDLKA	166
consensus	* * * * *	* * * *

NTDB	id	69814	LLCC	RS12380	WP	011675568.1	E	V	T	D	E	D	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	601	KW2	RS02615	WP	021036805.1	E	V	T	D	E	D	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	378	SMU	RS02690	WP	002263569.1	K	L	D	K	E	N	T	P	V	I	T	E	K	N	I	E	V	I	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	T	P	N	R	P	I	G	S	F	L	F	V	G	P		489		
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	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	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	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	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	G	Q	D	E	A	V	D	K	I	A	K	A	I	R	R	N	R	V	G	L	T	P	N	R	P	I	G	S	F	L	F	V	G	P		488	
NTDB	id	85	BSU	00860	NP	387967.1	E	K	Q	Q	G	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	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	G	L	K	D	P	K	R	P	I	G	S	F	L	F	V	G	P		546					
NTDB	id	610	V4T04	RS10165	WP	012897346.1	.	V																																																																																					

NTDB id 69814 LLCC RS12380 WP 011675568.1	TGVGKTELAKQLAKELFGSS	ES	MIRFDMSEYMEKHSVA	KLIGAPPGYVGVEEAGQLTERVR	RNPYS	LILLDETEKAHPDV	MHMFL	567		
NTDB id 601 KW2 RS02615 WP 021036805.1	TGVGKTELAKQLAKELFGSS	ES	MIRFDMSEYMEKHSVA	KLIGAPPGYVGVEEAGQLTERVR	RNPYS	LILLDETEKAHPDV	MHMFL	567		
NTDB id 378 SMU RS02690 WP 002263569.1	TGVGKTEL	SKQLAIELFGS	EDS	MIRFDMSEYMEKHAVA	KLVGAPPGYVGVEEAGQLTEKVR	RNPYS	LILLDEVEKAHPDV	MHMFL	574	
NTDB id 281 KZH43 RS03550 WP 000882517.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHSA	KLVGAPPGYVGVEEAGQLTEKVR	RNPYS	LILLDEVEKAHPDV	MHMFL	573	
NTDB id 245 SPD RS03860 WP 000882517.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHSA	KLVGAPPGYVGVEEAGQLTEKVR	RNPYS	LILLDEVEKAHPDV	MHMFL	573	
NTDB id 243 SPR RS03635 WP 000882517.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHSA	KLVGAPPGYVGVEEAGQLTEKVR	RNPYS	LILLDEVEKAHPDV	MHMFL	573	
NTDB id 241 SP RS04015 WP 000882523.1	TGVGKTEL	SKQLAIELFGS	SADS	MIRFDMSEYMEKHSA	KLVGAPPGYVGVEEAGQLTEKVR	RNPYS	LILLDEVEKAHPDV	MHMFL	573	
NTDB id 85 BSU 00860 NP 387967.1	TGVGKTELARALAES	IFGDE	ES	MIRIDMSEYMEKHSTSR	LVGSPPGYVGVEDEGGQLTEKVR	RKPYS	VVLLDETEKAHPDV	FNILL	631	
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGVGKTELAKALADS	VFGSE	DN	MIRVDMSEFMEKHSTSR	LIGAPPGYVGVEDEGGQLTER	RVRNKPYS	VVLLDEVEKAHPDV	FNIML	640	
NTDB id 290 KZH43 RS10025 WP 001109677.1	TGVGKTELAKALAEV	LFDD	ESAL	IRFDMSEYMEKFAAS	RNLGAPPGYVGVEEGGELTEKVR	RNKPYS	VLLFDEVEKAHPD	IFNVLL	635	
NTDB id 289 SPD RS10700 WP 001109677.1	TGVGKTELAKALAEV	LFDD	ESAL	IRFDMSEYMEKFAAS	RNLGAPPGYVGVEEGGELTEKVR	RNKPYS	VLLFDEVEKAHPD	IFNVLL	635	
NTDB id 287 SP RS11210 WP 001109712.1	TGVGKTELAKALAEV	LFDD	ESAL	IRFDMSEYMEKFAAS	RNLGAPPGYVGVEEGGELTEKVR	RNKPYS	VLLFDEVEKAHPD	IFNVLL	635	
NTDB id 377 SMU RS09275 WP 002262344.1	TGVGKTELAKALAEV	LFDD	ESAL	IRFDMSEYMEKFAAS	RNLGAPPGYVGVEEGGELTEKVR	RNKPYS	VLLFDEVEKAHPD	IFNVLL	638	
NTDB id 297 STER RS00545 WP 011680614.1	TGVGKTELAKALAEV	LFDD	ESAL	IRFDMSEYMEKFAAS	RNLGAPPGYVGVEEGGELTEKVR	RNKPYS	VLLFDETEKAHPD	IFNVLL	641	
NTDB id 329 STU RS10020 WP 011225298.1	TGVGKTELAKALAEV	LFDD	ESAL	IRFDMSEYMEKFAAS	RNLGAPPGYVGVEEGGELTEKVR	RNKPYS	VLLFDETEKAHPD	IFNVLL	641	
consensus		***		***	***	***	***	***	***	***

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NTDB id 69814 LLCC RS12380 WP 011675568.1	ISNQTQETAETTDDEEVP	748
NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVP	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
-  ≥ 50% conserved