

logo

Accession	Position	Sequence	Consensus
NTDB id 610 V4T04 RS10165 WP 012897346.1	1	MKFENIKYTPTLDRILEKAEYYAHQYQYGT	77
NTDB id 287 SP RS11210 WP 001109712.1	1	MNYSKALNECIESAYMVAGHFGARY	75
NTDB id 290 KZH43 RS10025 WP 001109677.1	1	MNYSKALNECIESAYMVAGHFGARY	75
NTDB id 289 SPD RS10700 WP 001109677.1	1	MNYSKALNECIESAYMVAGHFGARY	75
NTDB id 377 SMU RS09275 WP 002262344.1	1	...MTDYSLKMQEVFRLAQFEAARFESSY	79
NTDB id 297 STER RS00545 WP 011680614.1	1	...MTIYSRKMQAIFHRAQLEAERFESPFL	81
NTDB id 329 STU RS10020 WP 011225298.1	1	...MTIYSRKMQAIFHRAQLEAERFESPFL	81
NTDB id 85 BSU 00860 NP 387967.1	1	..MMFGRFTEAQQVLALAQEEALRLGHNNI	75
NTDB id 29273 BPUM RS06385 WP 012009743.1	1	MRCQHCQVNEATIRLNMQVN.....	21
NTDB id 601 KW2 RS02615 WP 021036805.1	1	MLCQNCNINEATHLYTSVN.....	21
NTDB id 378 SMU RS02690 WP 002263569.1	1	MLCQNCNINEATHLYANVN.....	21
NTDB id 281 KZH43 RS03550 WP 000882517.1	1	MLCQNCNINDSTHLYTNLN.....	21
NTDB id 245 SPD RS03860 WP 000882517.1	1	MLCQNCNINDSTHLYTNLN.....	21
NTDB id 243 SPR RS03635 WP 000882517.1	1	MLCQNCNINDSTHLYTNLN.....	21
NTDB id 241 SP RS04015 WP 000882523.1	1	MLCQNCNINDSTHLYTNLN.....	21
consensus		* * * *	

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NTDB	id	610	V4T04	RS10165	WP	012897346.1	STLRFSPRAEEV	MTAASFLAIHNNSEAV	GTEHL	LYAL	LQVE	GFGLQL	KL		QKINIVS	LRKE	LEKRTGLKVPESKK	153					
NTDB	id	287	SP	RS11210	WP	001109712.1	TELPFSRRLQVL	FDEAEYVAS	VVHAKVL	GTEHV	LYAIL	HDSN	NALATRIL	ERAGFSYEDKKDQVKIAA	LRRL	LEERAGW	TREDLKA	160					
NTDB	id	290	KZH43	RS10025	WP	001109677.1	TELPFSRRLQIL	FDEAEYVAS	VVHAKVL	GTEHV	LYAIL	HDCN	NALATRIL	ERAGFSYEDKKDQVKIAA	LRRL	LEERAGW	TREDLKA	160					
NTDB	id	289	SPD	RS10700	WP	001109677.1	TELPFSRRLQIL	FDEAEYVAS	VVHAKVL	GTEHV	LYAIL	HDCN	NALATRIL	ERAGFSYEDKKDQVKIAA	LRRL	LEERAGW	TREDLKA	160					
NTDB	id	377	SMU	RS09275	WP	002262344.1	MLLEQSHALKRT	LAEEAAISQ	VTHAKEV	GTEHV	FAM	LNP	NLLATRIL	BLVGFHAKDDGESIRLL	DLRKV	TERYAGF	SKEDIKA	164					
NTDB	id	297	STER	RS00545	WP	011680614.1	DLRAQSPAELAM	LQEAQEIAS	VTGAVEV	GSEHVL	MAFIL	LHKD	LMVCRLL	EVAGFYQKDDSDKPRI	IDLRRS	LERNAGLS	SKQDLKA	166					
NTDB	id	329	STU	RS10020	WP	011225298.1	DLRAQSPAELAM	LQEAQGIAS	VTGAVEV	GSEHVL	MAFIL	LHKD	LMVCRLL	EVAGFYQKDDSDKPRI	IDLRRS	LERNAGLS	SKQDLKA	166					
NTDB	id	85	BSU	00860	NP	387967.1	QTIHYTPRAKKV	IELSMDEARK	LGHSYVG	GTEHL	LLGL	IREGEGVAA		R.....	VLNN	LGVSL	NKAR.....	QQ	137				
NTDB	id	29273	BPUM	RS06385	WP	012009743.1		SRSQ	MVLCE	DCYTS	L		MEQSKMK		MGP		QLF		49				
NTDB	id	601	KW2	RS02615	WP	021036805.1		KKKQ	IDLC	NCYQIM		KSGG	REAL	FGAGNAS	NGNSDEPFNP		FND	IFSA	LQGG	DFNGAASNQ	81		
NTDB	id	378	SMU	RS02690	WP	002263569.1		KKKQ	IDLC	NCYQIM		KTDP	ENGPLNH	LSQQN	SSS		INP		FFD	DFGD	LNNFRAFNNQDLPN	80	
NTDB	id	281	KZH43	RS03550	WP	000882517.1		KKKQ	IDLC	NCYKII		KTDP	NNSL	FKGMT	DLNNRD		FDP		FGD	FFND	LNNFRPSSN	..TPP	77
NTDB	id	245	SPD	RS03860	WP	000882517.1		KKKQ	IDLC	NCYKII		KTDP	NNSL	FKGMT	DLNNRD		FDP		FGD	FFND	LNNFRPSSN	..TPP	77
NTDB	id	243	SPR	RS03635	WP	000882517.1		KKKQ	IDLC	NCYKII		KTDP	NNSL	FKGMT	DLNNRD		FDP		FGD	FFND	LNNFRPSSN	..TPP	77
NTDB	id	241	SP	RS04015	WP	000882523.1		KKKQ	IDLC	NCYKII		KTDP	NNSL	FKGMT	DLNNRD		FDP		FGD	FFND	LNNFRPSSN	..TPP	77
consensus							**	**	***	**	*	*	*	*	**	**	*	*					

NTDB	id	610	V4T04	RS10165	WP	012897346.1	A	TPMSKRKMA.KG	VAENSTTPTLDSVSSD	L	T	E	E	A	R	L	G	K	L	D	P	M	I	G	R	E	A	E	T	D	R	L	I	H	I	L	S	R	R	T	K	N	N	P	V	L	V	G	E	P	G		224																	
NTDB	id	287	SP	RS11210	WP	001109712.1	.	LRQRHRTV.A.DK	QNSMANMMGM	P	Q	T	P	S	G	G	L	E	D	Y	T	H	D	L	T	E	Q	A	R	S	G	K	L	E	P	V	I	G	R	D	K	E	I	S	R	M	I	Q	I	L	S	R	K	T	K	N	N	P	V	L	V	G	D	A	G		237			
NTDB	id	290	KZH43	RS10025	WP	001109677.1	.	LRQRHRTV.A.DK	QNSMANMMGM	P	Q	T	P	S	G	G	L	E	D	Y	T	H	D	L	T	E	Q	A	R	S	G	K	L	E	P	V	I	G	R	D	K	E	I	S	R	M	I	Q	I	L	S	R	K	T	K	N	N	P	V	L	V	G	D	A	G		237			
NTDB	id	289	SPD	RS10700	WP	001109677.1	.	LRQRHRTV.A.DK	QNSMANMMGM	P	Q	T	P	S	G	G	L	E	D	Y	T	H	D	L	T	E	Q	A	R	S	G	K	L	E	P	V	I	G	R	D	K	E	I	S	R	M	I	Q	I	L	S	R	K	T	K	N	N	P	V	L	V	G	D	A	G		237			
NTDB	id	377	SMU	RS09275	WP	00262344.1	.	IFEMRKPKKV.KN	SSSFSDLMKP	P	P	.	S	V	T	G	E	L	A	D	F	T	R	D	L	T	E	L	A	R	Q	G	R	L	E	P	V	I	G	R	D	E	I	S	R	M	V	Q	I	L	S	R	K	T	K	N	N	P	V	L	V	G	D	A	G		241			
NTDB	id	297	STER	RS00545	WP	011680614.1	.	IHDLRKPKKS.KA	SANFANMMQP	P	Q	S	S	T	G	E	L	A	D	Y	T	K	D	L	T	A	L	A	E	S	G	N	L	D	P	V	I	G	R	D	E	I	S	R	M	I	Q	V	L	S	R	K	T	K	N	N	P	V	L	V	G	E	A	G		244				
NTDB	id	329	STU	RS10020	WP	011225298.1	.	IHDLRKPKKS.KA	SANFANMMQP	P	Q	S	S	T	G	E	L	A	D	Y	T	K	D	L	T	A	L	A	E	S	G	N	L	D	P	I	I	G	R	D	E	I	S	R	M	I	Q	V	L	S	R	K	T	K	N	N	P	V	L	V	G	E	A	G		244				
NTDB	id	85	BSU	O0860	NP	387967.1	...	VLQLLGSNET....GSSAAG	...TNSNANTPTL	D	S	L	A	R	D	L	T	A	I	A	K	E	D	S	L	D	P	V	I	G	R	S	K	E	I	Q	R	V	I	E	V	L	S	R	R	T	K	N	N	P	V	L	V	G	E	P	G		211											
NTDB	id	29273	BPUM	RS06385	WP	012009743.1		GGSSFFSEQAGHTQ	N	V	E	Q	P	K	H	K	G	L	D	E	L	G	R	N	L	D	G	A	N	A	L	D	P	V	I	G	R	D	E	V	A	R	V	I	E	I	L	N	R	R	T	K	N	N	P	V	L	V	G	E	P	G		122						
NTDB	id	601	KW2	RS02615	WP	021036805.1	.	TPPTQTGG.....	R	G	P	R	G	P	N	P	R	A	K	P	K	M	L	E	E	F	G	I	N	T	E	S	A	R	R	G	E	I	D	P	V	I	G	R	D	E	I	K	R	V	E	I	L	N	R	R	T	K	N	N	P	V	L	V	G	E	P	G		155
NTDB	id	378	SMU	RS02690	WP	00263569.1	.	TPPTQAGGGNGNGGN	.N.RRPGGPQQQ	A	S	Q	K	P	N	G	L	L	E	E	F	G	I	N	L	T	D	I	A	R	K	G	E	I	D	P	V	I	G	R	D	E	I	T	R	V	I	E	I	L	N	R	R	T	K	N	N</													

NTDB	id	610	V4T04	RS10165	WP	012897346.1	VGKSA	I	E	G	L	A	Q	R	I	V	N	G	Q	V	P	I	G	L	M	N	S	R	I	A	L	N	M	A	T	V	V	A	G	T	K	F	R	G	E	F	E	D	R	L	T	A	I	V	E	V	S	S	D	P	D	V	I	I	F	I	D	E	L	H	T	I	G	A	G	G	M	D	S	V	N	D	309			
NTDB	id	287	SP	RS11210	WP	001109712.1	VGKTA	L	A	L	G	L	A	Q	R	I	A	S	G	D	V	P	A	E	A	K	M	R	V	L	E	L	D	L	M	N	V	A	G	T	R	F	R	G	D	F	E	E	R	M	N	N	I	I	K	D	I	E	E	D	G	Q	V	I	L	F	I	D	E	L	H	T	I	M	G	S	G	S	I	D	S	T	L	D	322	
NTDB	id	290	KZH43	RS10025	WP	001109677.1	VGKTA	L	A	L	G	L	A	Q	R	I	A	S	G	D	V	P	A	E	A	K	M	R	V	L	E	L	D	L	M	N	V	A	G	T	R	F	R	G	D	F	E	E	R	M	N	N	I	I	K	D	I	E	E	D	G	Q	V	I	L	F	I	D	E	L	H	T	I	M	G	S	G	S	I	D	S	T	L	D	322	
NTDB	id	289	SPD	RS10700	WP	001109677.1	VGKTA	L	A	L	G	L	A	Q	R	I	A	S	G	D	V	P	A	E	A	K	M	R	V	L	E	L	D	L	M	N	V	A	G	T	R	F	R	G	D	F	E	E	R	M	N	N	I	I	K	D	I	E	E	D	G	Q	V	I	L	F	I	D	E	L	H	T	I	M	G	S	G	S	I	D	S	T	L	D	322	
NTDB	id	377	SMU	RS09275	WP	002262344.1	VGKTA	L	A	Y	G	L	A	Q	R	I	V	D	S	A	V	P	F	E	L	A	D	M	K	V	L	E	L	D	M	M	S	V	A	G	T	R	F	R	G	D	F	E	E	R	M	N	Q	I	I	A	D	I	E	A	D	G	H	V	L	F	I	D	E	L	H	T	I	M	G	S	G	S	I	D	S	T	L	D	326	
NTDB	id	297	STER	RS00545	WP	011680614.1	VGKTA	L	A	L	G	L	A	Q	R	I	A	S	G	E	V	P	F	E	L	A	D	M	R	I	L	E	L	D	M	M	S	V	A	G	T	R	F	R	G	D	F	E	E	R	M	N	Q	I	I	D	E	I	E	A	D	G	K	V	I	L	F	I	D	E	L	H	T	I	G	S	G	S	I	D	S	T	L	D	329	
NTDB	id	329	STU	RS10020	WP	011225298.1	VGKTA	L	A	L	G	L	A	Q	R	I	A	S	G	E	V	P	F	E	L	A	D	M	R	I	L	E	L	D	M	M	S	V	A	G	T	R	F	R	G	D	F	E	E	R	M	N	Q	I	I	D	E	I	E	A	D	G	K	V	I	L	F	I	D	E	L	H	T	I	G	S	G	S	I	D	S	T	L	D	329	
NTDB	id	85	BSU	00860	NP	387967.1	VGKTA	I	A	E	G	L	A	Q	Q	I	I	N	N	E	V	P	E	I	L	R	D	K	R	V	M	T	L	D	M	G	T	V	V	A	G	T	K	Y	R	G	E	F	E	D	R	L	K	K	V	M	D	E	I	R	Q	A	G	N	V	I	L	F	I	D	E	L	H	T	I	G	A	G	G	A	E	G	A	I	D	295
NTDB	id	29273	BPUM	RS06385	WP	012009743.1	VGKTA	I	A	E	G	L	A	L	K	I	A	S	G	D	V	P	N	K	L	K	N	K	Q	I	Y	L	D	V	S	L	V	A	N	T	G	I	R	Q	F	E	E	R	M	K	Q	L	I	K	E	L	Q	S	R																											

logo

logO		SAKK.AEVKSSEKEK	
NTDB id 610	V4T04 RS10165 WP 012897346.1	IV.....	816
NTDB id 287	SP RS11210 WP 001109712.1	A.....	810
NTDB id 290	KZH43 RS10025 WP 001109677.1	A.....	810
NTDB id 289	SPD RS10700 WP 001109677.1	A.....	810
NTDB id 377	SMU RS09275 WP 002262344.1	V.....	813
NTDB id 297	STER RS00545 WP 011680614.1	V.....	816
NTDB id 329	STU RS10020 WP 011225298.1	V.....	816
NTDB id 85	BSU 00860 NP 387967.1	.TAKTN.....	810
NTDB id 29273	BPUM RS06385 WP 012009743.1	G.....	700
NTDB id 601	KW2 RS02615 WP 021036805.1	QTQETAETTDDEEVPAAE	748
NTDB id 378	SMU RS02690 WP 002263569.1	ASNK.VETVTKATSD.	753
NTDB id 281	KZH43 RS03550 WP 000882517.1	SAKK.AEVKSSEKEK.	752
NTDB id 245	SPD RS03860 WP 000882517.1	SAKK.AEVKSSEKEK.	752
NTDB id 243	SPR RS03635 WP 000882517.1	SAKK.AEVKSSEKEK.	752
NTDB id 241	SP RS04015 WP 000882523.1	SAKK.AEVKSSEKEK.	752
consensus			

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