

NTDB	id	1250	GC085	RS13065	WP	027219989.1	MNNLQPLLA	LNRMKRIGPR....	TVLKLQKRWPDNL	LMFQLSSV	DLEEAGLPS	WLAQTIK	NFDPDFI	63			
NTDB	id	114	BSU	16110	NP	389493.1	MDQAAVCLTICRINQL	LSPSLLLKWWK	ADPSMSLTSPVL	QTVTR.....	DQIKA..	AALK...NEIEQ	FYPKIPRVLA	68			
NTDB	id	599	KW2	RS05940	WP	021037268.1		MITNFDLFRWKK	AGMTNLG	VNKLKLF	FRKYDRK	ISLRQMGQV	AQVKSIPNFIEQY	KNQDVKKL	63		
NTDB	id	525	SMSK321	RS06295	WP	000705298.1	.....	MKAITNYEIIYKLKKS	GLTNQQILKVLEY	GENVDQELL	LGDIADI	SGCRNPAVFMERY	FQIDDAHL	64			
NTDB	id	267	KZH43	RS05590	WP	000705306.1	.....	MKAITNYEIIYKLKKS	GLTNQQILKVLEY	GENVDQELL	LGDIADI	SGCRNPAVFMERY	FQIDDAHL	64			
NTDB	id	226	SPD	RS05990	WP	000705306.1	.....	MKAITNYEIIYKLKKS	GLTNQQILKVLEY	GENVDQELL	LGDIADI	SGCRNPAVFMERY	FQIDDAHL	64			
NTDB	id	192	SPR	RS05715	WP	000705306.1	.....	MKAITNYEIIYKLKKS	GLTNQQILKVLEY	GENVDQELL	LGDIADI	SGCRNPAVFMERY	FQIDDAHL	64			
NTDB	id	157	SP	RS06205	WP	000705306.1	.....	MKAITNYEIIYKLKKS	GLTNQQILKVLEY	GENVDQELL	LGDIADI	SGCRNPAVFMERY	FQIDDAHL	64			
NTDB	id	497	SM12261	RS05565	WP	000705318.1	.....	MKAITNYEIIYKLKKS	GLTNQVLA	VLEYGENVDQELL	LGDAIEI	SGCRNPAVFMERY	FQIDDAHL	64			
NTDB	id	298366	DK875	RS04985	WP	002936492.1		MNNFELFKWKK	AGLTNLNVN	KVLA	YQEKHGKKL	TLRNV	AIV	SECKNPVLFMENY	KNLDTKAC	62	
NTDB	id	407	SMU	RS04605	WP	002262865.1		MDNFQLFKLKK	AGLTNL	NILN	IIDYEERT	QKSL	SLRDM	AVV	SKNKKPLIFMEHY	KNLDSKAL	62
consensus							*****										62

[illegible]

NTDB	id	1250	GC085	RS13065	WP	027219989.1	SIVSGLALGIDAH	AHL	G	C	L	E	G	G	K	T	I	A	V	L	G	T	I	D	C	I	Y	P	R	R	H	L	K	L	A	E	Q	I	T	E	N	G	L	L	S	F	P	L	K	S	P	I	A	G	H	F	P	L	R	N	R	I	I	S	G	L	S												
NTDB	id	114	BSU	16110	NP	389493.1	VIVSGLAS	G	I	D	G	M	S	H	A	A	S	I	K	A	K	G	R	T	I	G	V	I	A	G	G	F	Q	H	I	Y	P	R	E	N	L	Q	L	A	D	H	M	A	K	H	H	I	L	L	S	E	H	P	P	E	T	K	P	Q	K	W	H	F	P	M	R	N	R	I	I	S	G	L	S
NTDB	id	599	KW2	RS05940	WP	021037268.1	TIVSGLAK	G	I	D	T	A	S	H	L	S	A	I	K	T	K	T	P	T	I	A	V	I	G	T	G	L	I	F	Y	P	L	E	N	R	K	I	Q	E	Y	L	A	K	Y	Q	L	V	L	S	E	S	L	G	E	K	P	L	K	Y	H	F	P	E	R	N	R	I	I	A	G	L	S		
NTDB	id	525	SMK321	RS06295	WP	000705298.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	I	A	G	L	S
NTDB	id	267	KZH43	RS05590	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	I	A	G	L	S
NTDB	id	226	SPD	RS05990	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	I	A	G	L	S
NTDB	id	192	SPR	RS05715	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	I	A	G	L	S
NTDB	id	157	SP	RS06205	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	I	A	G	L	S
NTDB	id	497	SM12261	RS05565	WP	000705318.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	I	A	G	L	S
NTDB	id	298366	DK875	RS04985	WP	002936492.1	VIVSGLA	R	G	I	D	T	A	A	H	I	A	S	L	K	N	G	G	T	I	A	V	I	G																																																		

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NTDB id 1250 GC085 RS13065 WP 027219989.1	LCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSL	302
NTDB id 114 BSU 16110 NP 389493.1	EGVIVVQGKEKSGSLITAYQALEQGREVFVAVPGSLFDPYAGGPIKLIQQGAKATWSAEDIFEELPERNVQYTEPF.....	297
NTDB id 599 KW2 RS05940 WP 021037268.1	RGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 157 SP RS06205 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 298366 DK875 RS04985 WP 002936492.1	EGLVVCEAKMRSGSLITCERALEEGRVYVYAIIPGSI MDGKSDGCHHLIQEGAKCVTSGLDITISEYQF.....	280
NTDB id 407 SMU RS04605 WP 002262865.1	QGVVVAEAKIRSGSLITCERAMEEGRDVVFVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFN.....	280
consensus	*****!*****!!!!!!!!*!	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	ASGKENLVKFIFGFTTTIDQIIDRSYGMEQVTSGLAEELELKGAVIAVPGGYIRCEYER	361
NTDB id 114 BSU 16110 NP 389493.1	.....	297
NTDB id 599 KW2 RS05940 WP 021037268.1	.....	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	.....	282
NTDB id 157 SP RS06205 WP 000705306.1	.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	.....	282
NTDB id 298366 DK875 RS04985 WP 002936492.1	.....	280
NTDB id 407 SMU RS04605 WP 002262865.1	.....	280
consensus		

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved