

NTDB id 114	BSU 16110 NP 389493.1	. . MDQAAYCLTICRIINQL...LSPSL L KWKADPSMSL.....TSFVLQTVTRD Q IKA AALKNEIEQFYPK	62
NTDB id 1250	GCO85 RS13065 WP 027219989.1	. . MNNLQPLLA LRNMKRIG....PRTV L KLQRWPDNL MFQS SVVDLEEAGLP SWLAQT IKNFDPDFIK TDLNWL...	70
NTDB id 599	KW2 RS05940 WP 021037268.1	. MITNF D L....FRWKKAGMTNLGVNK L KF FRKYDRKISLRQM..GQVAQVKSIPNF IEQYKNQDVVKLLRADYKKF...	70
NTDB id 525	SMSK321 RS06295 WP 000705298.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGD I..ADISGC RNP AVFMERY FQIDDAHLSKEFKKI...	71
NTDB id 267	KZH43 RS05590 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGD I..ADISGC RNP AVFMERY FQIDDAHLSKEFKKF...	71
NTDB id 226	SPD RS05990 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGD I..ADISGC RNP AVFMERY FQIDDAHLSKEFKKF...	71
NTDB id 192	SPR RS05715 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGD I..ADISGC RNP AVFMERY FQIDDAHLSKEFKKF...	71
NTDB id 157	SP RS06205 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGD I..ADISGC RNP AVFMERY FQIDDAHLSKEFKKF...	71
NTDB id 497	SM12261 RS05565 WP 000705318.1	MKITNYEI....YKLKKSGLTNQQI VLAVLEYGENVDQELLGD I..AEISGC RNP AVFMERY FQIDDAHLSKEFKKF...	71
NTDB id 987355	AAF758 RS04615 WP 012775129.1	. . MN NFEL....FK W KKAGLTNLNV N KVLA YQE KHGKKLT L RN V..AVVSECK NPVL FMENY KNLD TKACREEF NK Y...	69
NTDB id 407	SMU RS04605 WP 002262865.1	. . MDNF QL....FK L K KAGLT NLNI LN IIDYEERTQK SLSLRDM..AVVS K NKK PLIFMEHYKN LD SKA LR KEFNRF...	69
consensus		* * * * *	

NTDB id 114	BSU 16110 NP 389493.1	L	P	R	V	L	A	A	Y	R	E	Q	G	I	N	T	I	P	T	S	S	K	Q	Y	P	F	W	L	K	S	I	Y	D	P	P	A	V	L	F	A	K	G	D	M	T	L	S	K	G	R	K	I	G	I	V	G	T	R	N	P	I	A	Y	G	K	Q	V	V	N	H	L	T	K	E	I	C	R	K	G	W	142
NTDB id 1250	GC085 RS13065 WP 027219989.1	.	S	.	.	.	.	.	.	S	S	E	N	H	H	I	L	T	W	D	S	P	Y	P	A	L	L	K	E	I	A	D	P	P	F	I	L	Y	A	K	G	E	L	S	A	L	T	Q	P	S	L	A	I	V	G	S	R	N	A	S	V	T	G	N	E	N	A	R	A	F	S	R	E	I	S	R	H	G	V	142	
NTDB id 599	KW2 RS05940 WP 021037268.1	.	S	.	.	.	.	.	.	S	F	S	I	L	D	D	L	Y	P	E	R	L	R	E	I	Y	N	P	P	V	L	I	F	Y	Q	G	N	I	D	L	L	K	N	P	K	L	A	F	V	G	S	R	L	A	G	Q	S	G	I	K	S	V	Q	K	I	V	T	E	L	N	Q	.	S	F	135						
NTDB id 525	SMSK321 RS06295 WP 000705298.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	G	S	R	S	C	S	K	Q	G	A	K	S	V	E	K	I	Q	G	L	E	N	.	E	L	136								
NTDB id 267	KZH43 RS05590 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	.	E	L	136							
NTDB id 226	SPD RS05990 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	.	E	L	136							
NTDB id 192	SPR RS05715 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	.	E	L	136							
NTDB id 157	SP RS06205 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	.	E	L	136							
NTDB id 497	SM12261 RS05565 WP 000705318.1	.	P	.	.	.	.	.	.	S	F	S																																																																					

[illegible]

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NTDB id 114 BSU 16110 NP 389493.1	EGVIVVQCKEKSGSLITAYQALECGREVFVAVPGSILDPYAGGPIKLIQQGAKAIVSAEDIFEELPERNVQYTEPF.....	297
NTDB id 1250 GC085 RS13065 WP 027219989.1	LCITLVIEAAIKSGSLITARMALCGRDVLAIIPGSIHNPILARGCHYLLQQGAKLVTSVADVDDELKIEHHQFTSNKPIFSL	302
NTDB id 599 KW2 RS05940 WP 021037268.1	RGVVVVEAKLRSGSLITCERALEEGRDIFAIPCNIAADGTSDCNHLIQQGAKLVYQAQDILBEVLYN.....	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFVFAIPGSILDGLSDGCHHLIQEGAKLVTSQQDVLAEFEF.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFVFAIPGSILDGLSDGCHHLIQEGAKLVTSQQDVLAEFEF.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFVFAIPGSILDGLSDGCHHLIQEGAKLVTSQQDVLAEFEF.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFVFAIPGSILDGLSDGCHHLIQEGAKLVTSQQDVLAEFEF.....	282
NTDB id 157 SP RS06205 WP 000705306.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFVFAIPGSILDGLSDGCHHLIQEGAKLVTSQQDVLAEFEF.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	RGVIVAEAKMRSGSLITCERAMEEGRDVFVFAIPGSILDGLSDGCHHLIQEGAKLVTSQQDVLAEFEF.....	282
NTDB id 987355 AAF758 RS04615 WP 012775129.1	EGLVVCEAKMRSGSLITCERALEEGRVYVFAIPGSIMDGKSDGCHHLIQEGAKCVTSCIDITISEYQF.....	280
NTDB id 407 SMU RS04605 WP 002262865.1	QGVVVAEAKIRSGSLITCERAMEEGRDVFVPCNILDGQSEGCHHLIQEGAKCITSGFDILNEFN.....	280
consensus	*****!*****!!!!!!!!*****!*!*****!!*****!!*****!*!*****!*!*****!*****!*****!*****	

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NTDB id 114 BSU 16110 NP 389493.1	ASCKENLVKFI GFETTTIDQIIDRSGYGMQVTSGLAELELKGAVIAVPGGYIRCEYER	297
NTDB id 1250 GC085 RS13065 WP 027219989.1	ASGKENLVKFIGFETTTIDQIIDRSGYGMQVTSGLAELELKGAVIAVPGGYIRCEYER	361
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 987355 AAF758 RS04615 WP 012775129.1		280
NTDB id 407 SMU RS04605 WP 002262865.1		280
consensus		

- non conserved
- similar
- ≥ 50% conserved