

NTDB id	114	BSU 16110 NP 389493.1	. . MDQAAVCLTICRINQL...LSPSLLLKWKADPSMSL.....TSFVLQTVTRDQIKAAALKNEIEQFYPKLPRLV	67
NTDB id	1250	GCO85 RS13065 WP 027219989.1	. . MNNLQPPLLALNRMKRRIG....PRTVIKLQRWPDNLNMFQLSSVDLEEAGLPSWLACTIKNFDPDFIKTDLNWL...S...	71
NTDB id	599	KW2 RS05940 WP 021037268.1	. MITNFDL....FRWKKAGMTNLGVNKLLKFRRKYDRKISLRQM..GQVAQVKSSIPNFIEEQYKNQDVKKLRADYKKEF....S...	71
NTDB id	525	SMSK321 RS06295 WP 000705298.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCNPAPVMERYFQIDDAHLEKEFKKI....P...	72
NTDB id	267	KZH43 RS05590 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCNPAPVMERYFQIDDAHLSEKEFKKF....P...	72
NTDB id	226	SPD RS05990 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCNPAPVMERYFQIDDAHLSEKEFKKF....P...	72
NTDB id	192	SPR RS05715 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCNPAPVMERYFQIDDAHLSEKEFKKF....P...	72
NTDB id	157	SP RS06205 WP 000705306.1	MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLGDI..ADISGCNPAPVMERYFQIDDAHLSEKEFKKF....P...	72
NTDB id	497	SM12261 RS05565 WP 000705318.1	MKITNYEI....YKLKKSGLTNQQIVLA VLEYGENVDQELLGDI..AEISGCNPAPVMERYFQIDDAHLEKEFKKF....P...	72
NTDB id	52747	YYK RS04250 WP 012775129.1	. . MNNFEI....FKWKKAGLTNLNVNKKVLAYQEKGKKLTLRNV..AVVSECKNPVLFMENYNKNDTKACREEFNKY....P...	70
NTDB id	407	SMU RS04605 WP 002262865.1	. . MDNFQL....FKLKKA GLTNLNILNIIDIYEERTQSLSLRDM..AVVS KNKKPLIFMEHYKNLD SKALRK EFNRF....P...	70
consensus			* * * * *	*

NTDB id 114	BSU 16110 NP 389493.1	AAYREQGIN	TIP	ISSKQ	Y	P	F	W	L	K	S	I	Y	D	P	P	A	V	L	F	A	K	G	D	M	T	L	L	S	K	R	K	I	G	I	V	G	T	R	N	P	T	A	Y	G	K	Q	V	V	N	H	L	T	K	E	C	R	K	G	W	V	I	V	S	G	L	A	S	G	I	152							
NTDB id 1250	GC085 RS13065 WP 027219989.1	...SSENHHIL	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	S	I	V	S	G	L	A	L	G	I	152			
NTDB id 599	KW2 RS05940 WP 021037268.1		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	T	I	V	S	G	L	A	K	G	I	145	
NTDB id 525	SMSK321 RS06295 WP 000705298.1		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	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	Q	E	L	V	I	V	S	G	L	A	K	G	I	146
NTDB id 267	KZH43 RS05590 WP 000705306.1		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	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	Q	E	L	V	I	V	S	G	L	A	K	G	I	146
NTDB id 226	SPD RS05990 WP 000705306.1		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	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	Q	E	L	V	I	V	S	G	L	A	K	G	I	146
NTDB id 192	SPR RS05715 WP 000705306.1		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	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	Q	E	L	V	I	V	S	G	L	A	K	G	I	146
NTDB id 157	SP RS06205 WP 000705306.1		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	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	G	L	E	N	Q	E	L	V	I	V	S	G	L	A	K	G	I	

[illegible]

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NTDB id 114 BSU 16110 NP 389493.1	ITAYQALEEQGREVFVAVPGSLFD	297
NTDB id 1250 GC085 RS13065 WP 027219989.1	ITARMALEQNRDVLAIPGSIHNPL	322
NTDB id 599 KW2 RS05940 WP 021037268.1	ITCERALEEGRDIFAIPGNIADGTS	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	ITCERAMEEGRDVFVFAIPGSILD	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	ITCERAMEEGRDVFVFAIPGSILD	282
NTDB id 226 SPD RS05990 WP 000705306.1	ITCERAMEEGRDVFVFAIPGSILD	282
NTDB id 192 SPR RS05715 WP 000705306.1	ITCERAMEEGRDVFVFAIPGSILD	282
NTDB id 157 SP RS06205 WP 000705306.1	ITCERAMEEGRDVFVFAIPGSILD	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	ITCERAMEEGRDVFVFAIPGSILD	282
NTDB id 52747 YYK RS04250 WP 012775129.1	ITCERALEEGRDEVYAIIPGSIMD	280
NTDB id 407 SMU RS04605 WP 002262865.1	ITCERAMEEGRDVFVVPGNILDG	280
consensus	!!***!*!***!*****!*****!***!***!***!***	

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NTDB id 114 BSU 16110 NP 389493.1	IIDRSQGYMEQVTSGLAEELELKGAVIAVPGGYIRCEYER	297
NTDB id 1250 GC085 RS13065 WP 027219989.1	IIDRSQGYMEQVTSGLAEELELKGAVIAVPGGYIRCEYER	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 52747 YYK RS04250 WP 012775129.1		280
NTDB id 407 SMU RS04605 WP 002262865.1		280
consensus		

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved