

NTDB id 114	BSU 16110 NP 389493.1	..MDQAAVCLTICRINQL....LSPSLLLKWKADPSMSL.....TS	PVLQTVTRDQIKA	AALKNEIEQFY	PK	62
NTDB id 1250	GC085 RS13065 WP 027219989.1	..MNNLQPLLALNRMRRIQ....PRTVLKLQKRWPDNLNMFQLSSV	DLEEAGLPSWLAQTIK	NFPDPFIKTDLNWL...		70
NTDB id 599	KW2 RS05940 WP 021037268.1	.MITNFDL....FRWKKAGMTNLGVNKLKFFRKYPDRIKISLRQM..	GQVAQVK	SIPNFIEQYKNQDVK	KLRADYKKF...	70
NTDB id 525	SMK321 RS06295 WP 000705298.1	MKITNYEI....YKLKKSGLTNQILKVLEYGENVDQELLGDI..	ADISGCRNP	PAVFMEYFQIDDAHLE	KEFKKI...	71
NTDB id 267	KZH43 RS05590 WP 000705306.1	MKITNYEI....YKLKKSGLTNQILKVLEYGENVDQELLGDI..	ADISGCRNP	PAVFMEYFQIDDAHLS	KEFQKF...	71
NTDB id 226	SPD RS05990 WP 000705306.1	MKITNYEI....YKLKKSGLTNQILKVLEYGENVDQELLGDI..	ADISGCRNP	PAVFMEYFQIDDAHLS	KEFQKF...	71
NTDB id 192	SPR RS05715 WP 000705306.1	MKITNYEI....YKLKKSGLTNQILKVLEYGENVDQELLGDI..	ADISGCRNP	PAVFMEYFQIDDAHLS	KEFQKF...	71
NTDB id 157	SP RS06205 WP 000705306.1	MKITNYEI....YKLKKSGLTNQILKVLEYGENVDQELLGDI..	ADISGCRNP	PAVFMEYFQIDDAHLS	KEFQKF...	71
NTDB id 497	SM12261 RS05565 WP 000705318.1	MKITNYEI....YKLKKSGLTNQVLAVLEYGENVDQELLGDI..	AEISGCRNP	PAVFMEYFQIDDAHLE	KEFQKF...	71
NTDB id 1155615	QNH80 RS02510 WP 012775129.1	..MNNFEL....FKWKKAGLTNLNVNKKVLAYQEKHGKKLTLRNV	AVVSECKNPVLFMEYK	NLDTKACREEFNKY...		69
NTDB id 407	SMU RS04605 WP 002262865.1	..MDNFQL....FKLKKAGLTNLNLINIIDYEERTQKSLSLRDM..	AVVSKNKKPLIFMEHYK	NLDSKALRKEFNRF...		69
consensus		*****	*****	*****	*****	

NTDB id	114	BSU	16110	NP	389493.1	LPRVLAAYREQGIN	TIP	ISSKQYF	PWLKS	IYDPP	AVLFAKGDMT	LLSKGR	KIGIVGTRNPT	TAY	GKQV	VNH	LTKE	ICRKGW	142			
NTDB id	1250	GC085	RS13065	WP	027219989.1	.S.....	SSENHHIL	TWDSPIYP	PALLKEI	ADPPI	FILYAKGELSALT	Q.	PSLAIVGSRNASVT	GNENARAFSRE	ISRHG	V			142			
NTDB id	599	KW2	RS05940	WP	021037268.1	.S.....	SFSILDD	LYPERL	REIYN	PPVL	IFYQGNI	DLLKN	.PKLAFVGSRLAGQS	GIKSV	QKI	VTEL	NQ	.SF	135			
NTDB id	525	SMK321	RS06295	WP	000705298.1	.P.....	SFSILDDCYPWD	LSEIYDAPVLLFYKGNLDLLKF					.PKVAVVGSR	CSKQGAKSVEK	I	IQGLE	N	.EL	136			
NTDB id	267	KZH43	RS05590	WP	000705306.1	.P.....	SFSILDDCYPWD	LSEIYDAPVLLFYKGNLDLLKF					.PKVAVVGSR	ACSKQGAKSVEK	V	IQGLE	N	.EL	136			
NTDB id	226	SPD	RS05990	WP	000705306.1	.P.....	SFSILDDCYPWD	LSEIYDAPVLLFYKGNLDLLKF					.PKVAVVGSR	ACSKQGAKSVEK	V	IQGLE	N	.EL	136			
NTDB id	192	SPR	RS05715	WP	000705306.1	.P.....	SFSILDDCYPWD	LSEIYDAPVLLFYKGNLDLLKF					.PKVAVVGSR	ACSKQGAKSVEK	V	IQGLE	N	.EL	136			
NTDB id	157	SP	RS06205	WP	000705306.1	.P.....	SFSILDDCYPWD	LSEIYDAPVLLFYKGNLDLLKF					.PKVAVVGSR	ACSKQGAKSVEK	V	IQGLE	N	.EL	136			
NTDB id	497	SM12261	RS05565	WP	000705318.1	.P.....	SFSILDDCYPWD	LSEIYDAPVLLFYKGNLDLLKF					.PKVAVVGSR	ACSKQGAKSVEK	V	IQGLE	N	.EL	136			
NTDB id	1155615	QNH80	RS02510	WP	012775129.1	.P.....	SFSILDDI	TYPLALK	QIYN	PPVLLFYQGD	LELEK	.	LKLAVVG	TRNASKNG	IQSV	QKI	IKEL	SN	.RF	134		
NTDB id	407	SMU	RS04605	WP	002262865.1	.P.....	SLSILD	KEYPLE	LKNI	YNPP	VLLFYQGD	LDLLAR	.	PKLAVVGSR	NASQM	GVA	AVKK	I	IQDL	SK	.QF	134
consensus						*		*****!	!!!!*	*!!*	*****!	*****!	****	*****!	!!	*****!	*****!	*****!	*****!	*****!	*****!	

[illegible]

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NTDB id 114 BSU 16110 NP 389493.1	EGVIVVQCKEKSGSLITAYQALECGREVFVAVPGSILDPYAGGPIKLIQQGAKAIVSAEDIFEELPERNVQYTEPF.....	297
NTDB id 1250 GC085 RS13065 WP 027219989.1	LCITLVIEAAIKSGSLITARMALCGRDVLAIIPGSIHNPILARGCHYLLQQGAKLVTSVADVDLDELKIEHHQFTSNKPIFSL	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 1155615 QNH80 RS02510 WP 012775129.1	EGLVVCEAKMRSGSLITCERALEEGRVYVFAIPGSIMDGKSDGCHHLIQEGAKCVTSCLDITSEYQF.....	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 1155615 QNH80 RS02510 WP 012775129.1		280
NTDB id 407 SMU RS04605 WP 002262865.1		280
consensus		

- non conserved
- similar
- ≥ 50% conserved