

NTDB id 1250 GC085 RS13065 WP 027219989.1	..MNNLQPLLA	LNRMKRIG....PRTVLKQLKRWPDLNLMFQLSSV	DLEEAGLP	SWLAQTIKNFDPDFIKTDLNLWSSS	73
NTDB id 599 KW2 RS05940 WP 021037268.1	.MITNFD....	LFRWKKGAMTNLGVNKLLKFFRKYDRKISLRQM.	GQVAQVK	SIPNFIEQYKNQDVKKLRADYKKFS..	71
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLEKEFKKIP..	72
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 157 SP RS06205 WP 000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLSKEFQKFP..	72
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNYE....	IYKLKKSGLTNQQVLAVLEYGENVDQELLGDI..	AETISGCRNP	AVFMERYFQIDDAHLEKEFQKFP..	72
NTDB id 977150 MGAS37854 RS04545 WP 010922314.1	..MNHF.....	LYKLKKAAGLTNKNLNILNILDYQKHQEKSLSRDM.	AVVSGCKHP	SHFTIAYKQLDIQNLMFEKQFP..	70
NTDB id 407 SMU RS04605 WP 002262865.1	..MDNF.....	LFLKKKAGLTNKNLNILNIIDYEERTQKSLSRDM.	AVVSKNK	KPLIFMEHYKNLDSKALRKEFNRF..	70
consensus	*****	*****!*****	*****	*****	

NTDB id 1250 GC085 RS13065 WP 027219989.1	ENHHIL	TWDS	SPY	YPAL	LKEI	ADPP	FI	LYAK	GELS	ALTQ	PSLA	TVGSR	NAV	SVT	G	NENAR	AFS	RSRE	ISR	HG	V	SV	SG	LA	L	GID	153																																																			
NTDB id 599 KW2 RS05940 WP 021037268.1		SFSI	LD	DD	LY	PER	L	REI	YN	PP	V	L	I	F	Y	Q	G	N	I	DL	L	K	N	P	K	L	AF	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	D	146													
NTDB id 525 SMSK321 RS06295 WP 000705298.1		SFSI	LD	DD	CY	PW	DL	SEI	YD	AP	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	V	G	S	R	S	C	S	K	Q	G	A	K	S	V	E	K	I	I	Q	G	L	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D	147												
NTDB id 267 KZH43 RS05590 WP 000705306.1		SFSI	LD	DD	CY	PW	DL	SEI	YD	AP	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	I	I	Q	G	L	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D	147												
NTDB id 226 SPD RS05990 WP 000705306.1		SFSI	LD	DD	CY	PW	DL	SEI	YD	AP	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	I	I	Q	G	L	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D	147												
NTDB id 192 SPR RS05715 WP 000705306.1		SFSI	LD	DD	CY	PW	DL	SEI	YD	AP	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	I	I	Q	G	L	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D	147												
NTDB id 157 SP RS06205 WP 000705306.1		SFSI	LD	DD	CY	PW	DL	SEI	YD	AP	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	I	I	Q	G	L	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D	147												
NTDB id 497 SM12261 RS05565 WP 000705318.1		SFSI	LD	DD	CY	PW	DL	SEI	YD	AP	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	I	I	Q	G	L	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D	147												
NTDB id 977150 MGAS37854 RS04545 WP 010922314.1		S	I	S	I	L	D	K	H	Y	P	M	A	L	K	E	I	Y	N	P	P	V	L	L	F	Q	G	N	L	D	L	L	E	K	P	K	L	A	T	I	V	G	S	R	R	S	S	D	T	G	V	K	S	V	R	K	I	L	K	E	L	G	N	..	R	F	V	I	V	S	G	L	A	K	G	I	D	145
NTDB id 407 SMU RS04605 WP 002262865.1		S	L	S	I	L	D	K	E	Y	P	L	K																																																																	

NTDB id 1250 GC085 RS13065 WP 027219989.1	AHAHLGCEGGGKTIIVLGTGIDCIYPRRHLKLAEEQITENGLLLSEFPLKSPPIAGHFPLRNRRIISGLSLCILEVIEAAIK	233
NTDB id 599 KW2 RS05940 WP 021037268.1	TASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQVLVSEYSLGEKPLKVHFPERNRIIAGLSRGVVVVEAKLR	226
NTDB id 525 SMSK321 RS06295 WP 000705298.1	TAAHMAALQNGGKTIIVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 267 KZH43 RS05590 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 226 SPD RS05990 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 192 SPR RS05715 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 157 SP RS06205 WP 000705306.1	TAAHMAALQNGGKTIIVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 497 SM12261 RS05565 WP 000705318.1	TAAHMAALQNGGKTIIVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPPARNRIIAGLCRGVIVAEAKMR	227
NTDB id 977150 MGAS37854 RS04545 WP 010922314.1	TSAHLACLKNGGQTIAITIGTGLDRFYPKENRELQTFLGKNHLVLT EYGPGEALSYHFPERNRIIAGLSRGILEVVEAKNR	225
NTDB id 407 SMU RS04605 WP 002262865.1	TAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHL LLSSEYEAQSQPLKVHFPERNRIIAGLSQGVIVAEAKIR	225
consensus	*****	

logo

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NTDB id 1250 GC085 RS13065 WP 027219989.1
NTDB id 599 KW2 RS05940 WP 021037268.1
NTDB id 525 SMSK321 RS06295 WP 000705298.1
NTDB id 267 KZH43 RS05590 WP 000705306.1
NTDB id 226 SPD RS05990 WP 000705306.1
NTDB id 192 SPR RS05715 WP 000705306.1
NTDB id 157 SP RS06205 WP 000705306.1
NTDB id 497 SM12261 RS05565 WP 000705318.1
NTDB id 977150 MGAS37854 RS04545 WP 010922314.1
NTDB id 407 SMU RS04605 WP 002262865.1
consensus

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[illegible]

logo

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NTDB id 1250 GC085 RS13065 WP 027219989.1
NTDB id 599 KW2 RS05940 WP 021037268.1
NTDB id 525 SMSK321 RS06295 WP 000705298.1
NTDB id 267 KZH43 RS05590 WP 000705306.1
NTDB id 226 SPD RS05990 WP 000705306.1
NTDB id 192 SPR RS05715 WP 000705306.1
NTDB id 157 SP RS06205 WP 000705306.1
NTDB id 497 SM12261 RS05565 WP 000705318.1
NTDB id 977150 MGAS37854 RS04545 WP 010922314.1
NTDB id 4071 SMU RS04605 WP 002262865.1
consensus

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GFETTTIDQIIDRSGYGMQVTSGLAELELKGAVIAVPGGYIRCEYER	361
.....	282
.....	282
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.....	280

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