

[illegible]

NTDB id 1250 GC085 RS13065 WP 027219989.1	ENHHIL	I	W	D	S	P	Y	P	A	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	D			
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	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	D
NTDB id 525 SMSK321 RS06295 WP 000705298.1		S	F	S	I	L	D	D	C	Y	P	W	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	S	C	S	K	Q	G	A	K	S	V	E	K	I	I	Q	G	L	E	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D
NTDB id 267 KZH43 RS05590 WP 000705306.1		S	F	S	I	L	D	D	C	Y	P	W	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	I	I	Q	G	L	E	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D
NTDB id 226 SPD RS05990 WP 000705306.1		S	F	S	I	L	D	D	C	Y	P	W	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	I	I	Q	G	L	E	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D
NTDB id 192 SPR RS05715 WP 000705306.1		S	F	S	I	L	D	D	C	Y	P	W	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	I	I	Q	G	L	E	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D
NTDB id 157 SP RS06205 WP 000705306.1		S	F	S	I	L	D	D	C	Y	P	W	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	I	I	Q	G	L	E	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D
NTDB id 497 SM12261 RS05565 WP 000705318.1		S	F	S	I	L	D	D	C	Y	P	W	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	I	I	Q	G	L	E	N	..	E	L	V	I	V	S	G	L	A	K	G	I	D
NTDB id 308585 DZS39 RS04875 WP 002995009.1	....	S																																																																										

NTDB	id	1250	GC085	RS13065	WP	027219989.1	AH AHLGLG GKKTI AVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIEAAIK	233
NTDB	id	599	KW2	RS05940	WP	021037268.1	T ASHLSAI KTKTP IAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLSGEKPLKYHFPERNRIIAGLSRGVVVEAKLR	226
NTDB	id	525	SMSK321	RS06295	WP	000705298.1	TAAHMAALQNGGKT IAVIGTGLDVFYPPKAN KRLQDYISNDHLVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	267	KZH43	RS05590	WP	000705306.1	TAAHMAALQNGGKT IAVIGTGLDVFYPPKAN KRLQD YIGNDH LVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	226	SPD	RS05990	WP	000705306.1	TAAHMAALQNGGKT IAVIGTGLDVFYPPKAN KRLQDYIGNDH LVLSEYG PGEQPLKF HFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	192	SPR	RS05715	WP	000705306.1	TAAHMAALQNGGKT IAVIGTGLDVFYPPKAN KRLQDYIGNDH LVLSEYG PGEQPLKF HFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	157	SP	RS06205	WP	000705306.1	TAAHMAALQNGGKT IAVIGTGLDVFYPPKAN KRLQDYIGNDH LVLSEYG PGEQPLKF HFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	497	SM12261	RS05565	WP	000705318.1	TAAHMAALQNGGKT IAVIGTGLDVFYPPKAN KRLQDYIGNDH LVLSEYG PGEQPLKF HFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	308585	DZS39	RS04875	WP	002995009.1	T SAHLACL KGCG QTIAITIGTGLDRFYPPKENRELQTFLGKNH LVLTEYGP GEEALS YHFPERNRIIAGLSRG ILVVEAKNR	225
NTDB	id	407	SMU	RS04605	WP	002262865.1	TAAH LASLKS GGCA TTIAVIGTGLDVHYPPKENRR LQDYIA KNHLL LSEYE EQSQPLKYHFPERNRIIAGLSQGVMMVAEAKIR	225
consensus							* * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * *	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	SGSLITARMAL E QNRDVLAI P GS I H N PLARGCHYL L QQGAKLVT S VADVLDELKIEHHQFTSNKPIFSLASGKENLVKFI	313
NTDB id 599 KW2 RS05940 WP 021037268.1	SGSLITCERALEEGRD I FAIPGN I ADGTSDGCNHL I Q Q GAKLVYQAQD I LEEYLYN.....	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	SGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHL I QEGAKLVTSGQDVLA E FEF.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	SGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHL I QEGAKLVTSGQDVLA E FEF.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	SGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHL I QEGAKLVTSGQDVLA E FEF.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	SGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHL I QEGAKLVTSGQDVLA E FEF.....	282
NTDB id 157 SP RS06205 WP 000705306.1	SGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHL I QEGAKLVTSGQDVLA E FEF.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	SGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHL I QEGAKLVTSGQDVLA E FEF.....	282
NTDB id 308585 DZS39 RS04875 WP 002995009.1	SGSLITC Q I C I E EGRD I FA V PGN I LDGK S EGCLQL I KEGATCVTSGMD I L S EY.....	278
NTDB id 407 SMU RS04605 WP 002262865.1	SGSLITCERAMEEGRDV F V V PGN I LDG Q S EGCHHL I QEGAK C I TS G FD I LNEFN F	280
consensus	!!!!!!!!*****!***!*****!*!*****!***!*****!*****!***!***	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	GFETTT I D Q I IDRS G Y G MEQ V TSGLAELE L KGAV I AVPGGY I RCEYER	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 308585 DZS39 RS04875 WP 002995009.1	.....	278
NTDB id 407 SMU RS04605 WP 002262865.1	.....	280
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved