

[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	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	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 326069 EGX80 RS09620 WP 011054501.1		S	I																																																																									

NTDB	id	1250	GC085	RS13065	WP	027219989.1	AH AHLGLG GKKTI AVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIEAAIK	233
NTDB	id	599	KW2	RS05940	WP	021037268.1	T ASHLSA IKT KTP IAVIGTGLD IFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVEAKLR	226
NTDB	id	525	SMSK321	RS06295	WP	000705298.1	TAAHMAALQNGGK TI AVIGTGLDV FYPKAN KRLQDYISNDHLVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	267	KZH43	RS05590	WP	000705306.1	TAAHMAALQNGGK TI AVIGTGLDV FYPKAN KRLQDYIGNDHVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	226	SPD	RS05990	WP	000705306.1	TAAHMAALQNGGK TI AVIGTGLDV FYPKAN KRLQDYIGNDHVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	192	SPR	RS05715	WP	000705306.1	TAAHMAALQNGGK TI AVIGTGLDV FYPKAN KRLQDYIGNDHVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	157	SP	RS06205	WP	000705306.1	TAAHMAALQNGGK TI AVIGTGLDV FYPKAN KRLQDYIGNDHVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	497	SM12261	RS05565	WP	000705318.1	TAAHMAALQNGGK TI AVIGTGLDV FYPKAN KRLQDYIGNDHVLSEYG PGEQPLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	326069	EGX80	RS09620	WP	011054501.1	T SAHLACL KG Q TIAT IGTGLDR FYPKE NRELQTFLGKNH LVLTEYGP REEALS YHFPERNRIIAGLSRG ILV EAKNR	225
NTDB	id	407	SMU	RS04605	WP	002262865.1	TAAH LASLKS CGCA TI AVIGTGLDV HYPKENRR LQDYIA KNHLL SEYE AQSQPLKYHFPERNRIIAGLSQGV MVAEKIR	225
consensus							* * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * *	

```

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 326069 EGX80 RS09620 WP 011054501.1
NTDB id 407 SMU RS04605 WP 002262865.1
consensus

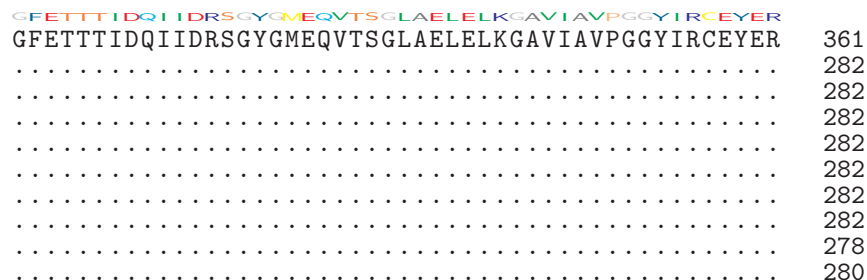
```



```

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 326069 EGX80 RS09620 WP 011054501.1
NTDB id 407 SMU RS04605 WP 002262865.1
consensus

```



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