

NTDB id	1250	GC085	RS13065	WP	027219989.1	..MNNLQLPLLA	LNRMKRIQIP....RTVLKLQKRWPDNLNMFQLSSV	DLEEAGLP	SWLAQTIKNFDPDFIKTDLNWLSSS	73
NTDB id	599	KW2	RS05940	WP	021037268.1	.MITNFD....	LFRWKKACMTNLGVNKLLKFRRKYDRKISLRQM.	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	AVFMERYFQIDDAHLSEKFQKFP..	72
NTDB id	226	SPD	RS05990	WP	000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLSEKFQKFP..	72
NTDB id	192	SPR	RS05715	WP	000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLSEKFQKFP..	72
NTDB id	157	SP	RS06205	WP	000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGDI..	ADISGCRNP	AVFMERYFQIDDAHLSEKFQKFP..	72
NTDB id	497	SM12261	RS05565	WP	000705318.1	MKITNYE....	IYKLKKSGLTNQQVLA VLEYGENVDQELLGDI..	A EISGCRNP	AVFMERYFQIDDAHLEKEFQKFP..	72
NTDB id	325514	EGX78	RS05240	WP	002989770.1	..MNHFEE....	LYKLKKAAGLTNKNILNILDYQEHEKESLSLRDM.	AVVSGCKHP	SHFIEAYKQLDIQNLIKTEFKQFP..	70
NTDB id	407	SMU	RS04605	WP	002262865.1	..MDNFG....	LFLKKKAAGLTNLNILNIIDYEERTQKSLSLRDM.	AVVSKNKKP	LFIMEHYKNLDSKALRKEFNRFPP..	70
consensus						*****!*	*****!	*****!	*****!	*****!

[illegible]

NTDB	id	1250	GC085	RS13065	WP	027219989.1	AH AHLGL E G GGKTI A V L GTGIDCIYPRRHL KLA EQTITENGL LLSEFPLKSP T IAGHFPLRNRIISGLSLC ILVIEAAIK	233
NTDB	id	599	KW2	RS05940	WP	021037268.1	TASHLSA I KTKTPTIA VIGTG LDFYPLENRKIQEYLAKYQ LVLSEY SLGEKPLKYHFPERNRIIAGLSRGVVVEAKLR	226
NTDB	id	525	SMSK321	RS06295	WP	000705298.1	TAAHMAALQNGGKTIA VIGTG LDFVFPKAN KRLQDYISNDHLVLSEYGP GPEQLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	267	KZH43	RS05590	WP	000705306.1	TAAHMAALQNGGKTIA VIGTG LDFVFPKAN KRLQDYIGNDHLVLSEYGP GPEQLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	226	SPD	RS05990	WP	000705306.1	TAAHMAALQNGGKTIA VIGTG LDFVFPKAN KRLQDYIGNDHLVLSEYGP GPEQLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	192	SPR	RS05715	WP	000705306.1	TAAHMAALQNGGKTIA VIGTG LDFVFPKAN KRLQDYIGNDHLVLSEYGP GPEQLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	157	SP	RS06205	WP	000705306.1	TAAHMAALQNGGKTIA VIGTG LDFVFPKAN KRLQDYIGNDHLVLSEYGP GPEQLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	497	SM12261	RS05565	WP	000705318.1	TAAHMAALQNGGKTIA VIGTG LDFVFPKAN KRLQDYIGNDHLVLSEYGP GPEQLKFHFPARNRIIAGLCRGVIVAEAKMR	227
NTDB	id	325514	EGX78	RS05240	WP	002989770.1	TSAHLAGLCKNGGQ T IAIT IGTG LDRFYPKENRELQTFLGKNH LVLT EYGPGEALS YHFPERNRIIAGLS RGITLV EA KNNR	225
NTDB	id	407	SMU	RS04605	WP	002262865.1	TAAHLAGLSKSCATIA VIGTG LDFVHYPKENRR LQDYIA KNHLLS EYE EQSQPLKYHFPERNRIIAGLSQGV MVAEAKIR	225
consensus							* * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * *	

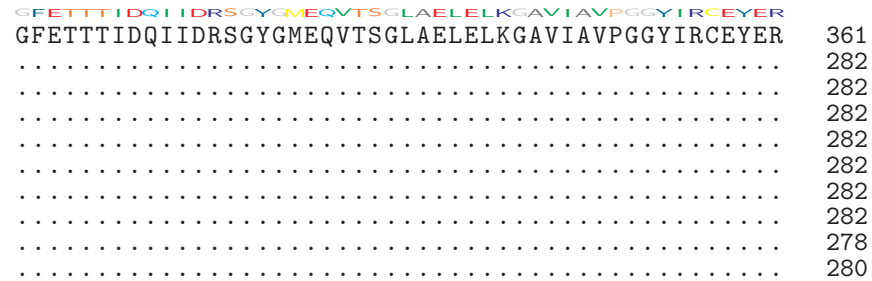
```

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 325514 EGX78 RS05240 WP 002989770.1
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 325514 EGX78 RS05240 WP 002989770.1
NTDB id 407 SMU RS04605 WP 002262865.1
consensus
```



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