

NTDB id 114	BSU 16110 NP 389493.1	..MDQAAVCLTICRIINQL....LSPSL	L	K	N	K	W	K	A	D	P	S	M	S	L		T	S	P	V	L	Q	T	V	T	R	D	Q	I	K	A	A	L	K	N	E	I	E	Q	F	Y	P	K	62																														
NTDB id 1250	GC085 RS13065 WP 027219989.1	..MNNLQPLALNR	M	K	R	I	G		P	R	T	V	L	K	L	Q	K	R	W	P	D	L	N	L	M	F	Q	..	S	S	V	D	L	E	E	A	G	L	P	S	W	L	A	Q	T	I	K	N	F	D	P	D	F	I	K	T	D	L	N	W	L	...	70											
NTDB id 599	KW2 RS05940 WP 021037268.1	..MTTNFDL		F	R	W	K	K	A	G	M	T	N	L	G	V	N	K	L	K	F	R	K	Y	D	R	K	T	S	L	R	Q	M	..	G	Q	V	A	Q	V	K	S	I	P	N	F	I	E	Q	Y	K	N	Q	D	V	K	L	R	A	D	Y	K	K	F	...	70								
NTDB id 525	SMSK321 RS06295 WP 000705298.1	MK	I	T	N	Y	E	I		Y	K	L	K	K	S	G	L	T	N	Q	Q	I	L	K	V	L	E	Y	G	E	N	V	D	Q	E	L	L	G	D	I	..	A	D	I	S	G	C	R	N	P	A	V	F	M	E	R	Y	F	Q	I	D	D	A	H	L	E	K	E	F	K	K	I	...	71
NTDB id 267	KZH43 RS05590 WP 000705306.1	MK	I	T	N	Y	E	I		Y	K	L	K	K	S	G	L	T	N	Q	Q	I	L	K	V	L	E	Y	G	E	N	V	D	Q	E	L	L	G	D	I	..	A	D	I	S	G	C	R	N	P	A	V	F	M	E	R	Y	F	Q	I	D	D	A	H	L	S	K	E	F	Q	K	F	...	71
NTDB id 226	SPD RS05990 WP 000705306.1	MK	I	T	N	Y	E	I		Y	K	L	K	K	S	G	L	T	N	Q	Q	I	L	K	V	L	E	Y	G	E	N	V	D	Q	E	L	L	G	D	I	..	A	D	I	S	G	C	R	N	P	A	V	F	M	E	R	Y	F	Q	I	D	D	A	H	L	S	K	E	F	Q	K	F	...	71
NTDB id 192	SPR RS05715 WP 000705306.1	MK	I	T	N	Y	E	I		Y	K	L	K	K	S	G	L	T	N	Q	Q	I	L	K	V	L	E	Y	G	E	N	V	D	Q	E	L	L	G	D	I	..	A	D	I	S	G	C	R	N	P	A	V	F	M	E	R	Y	F	Q	I	D	D	A	H	L	S	K	E	F	Q	K	F	...	71
NTDB id 157	SP RS06205 WP 000705306.1	MK	I	T	N	Y	E	I		Y	K	L	K	K	S	G	L	T	N	Q	Q	I	L	K	V	L	E	Y	G	E	N	V	D	Q	E	L	L	G	D	I	..	A	D	I	S	G	C	R	N	P	A	V	F	M	E	R	Y	F	Q	I	D	D	A	H	L	S	K	E	F	Q	K	F	...	71
NTDB id 497	SM12261 RS05565 WP 000705318.1	MK	I	T	N	Y	E	I		Y	K	L	K	K	S	G	L	T	N	Q	Q	V	L	A	V	L	E	Y	G	E	N	V	D	Q	E	L	L	G	D	I	..	A	E	I	S	G	C	R	N	P	A	V	F	M																				

NTDB id 114	BSU 16110 NP 389493.1	L	P	R	V	L	A	A	Y	R	E	Q	G	I	N	T	I	P	T	S	S	K	Q	Y	P	F	W	L	K	S	I	Y	D	P	P	A	V	L	F	A	K	G	D	M	T	L	S	K	G	R	K	I	G	I	V	G	T	R	N	P	I	A	Y	G	K	Q	V	V	N	H	L	T	K	E	I	C	R	K	G	W	142
NTDB id 1250	GC085 RS13065 WP 027219989.1	.	S	.	.	.	.	.	.	S	S	E	N	H	H	I	L	T	W	D	S	P	Y	P	A	L	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	142	
NTDB id 599	KW2 RS05940 WP 021037268.1	.	S	.	.	.	.	.	.	S	F	S	I	L	D	D	L	Y	P	E	R	L	R	E	I	Y	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	135						
NTDB id 525	SMSK321 RS06295 WP 000705298.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	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	G	S	R	S	C	S	K	Q	G	A	K	S	V	E	K	I	Q	I	G	L	E	N	.	E	L	136							
NTDB id 267	KZH43 RS05590 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	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	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	I	G	L	E	N	.	E	L	136						
NTDB id 226	SPD RS05990 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	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	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	I	G	L	E	N	.	E	L	136						
NTDB id 192	SPR RS05715 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	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	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	I	G	L	E	N	.	E	L	136						
NTDB id 157	SP RS06205 WP 000705306.1	.	P	.	.	.	.	.	.	S	F	S	I	L	D	D	C	Y	P	W	D	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	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	V	I	Q	I	G	L	E	N	.	E	L	136						
NTDB id 497	SM12261 RS05565 WP 000705318.1	.	P	.	.	.	.																																																																										

[illegible]

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NTDB id 114 BSU 16110 NP 389493.1
NTDB id 1250 GCO85 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 1155453 QNH65 RS02510 WP 012775129.1
NTDB id 407 SMU RS04605 WP 002262865.1
consensus

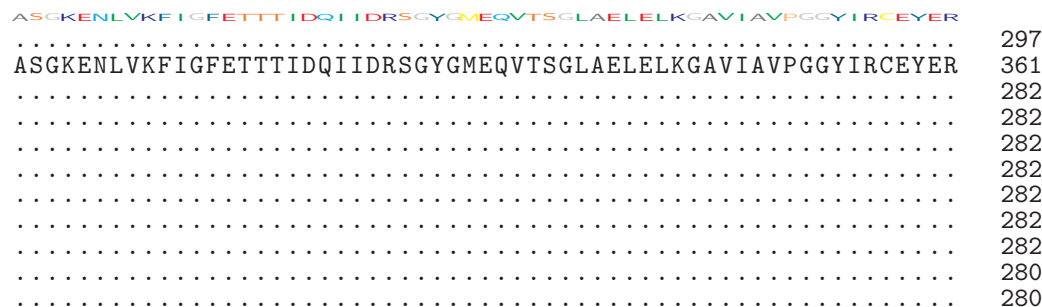
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NTDB id 114 BSU 16110 NP 389493.1
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NTDB id 599 KW2 RS05940 WP 021037268.1
NTDB id 525 SMSK321 RS06295 WP 0007053298.1
NTDB id 267 KZH43 RS05590 WP 000705306.1
NTDB id 226 SPD RS05990 WP 000705306.1
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 1155453 QNH65 RS02510 WP 012775129.1
NTDB id 407 SMU RS04605 WP 002262865.1
consensus

```



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