

[illegible]

NTDB id 1257 GC085 RS04855 WP 163621000.1 QLGLSLHSYNIIVAVGDRVRAILELDRSVSYSGTAGSVYSVLVNGKSNDLFENSKEVFIT.....NQVVNAKHETK 153

NTDB id 1284 ACE17W RS12370 WP 010946666.1 QLGLSLHSYNIIVAVGDRVRAILELDRSVSYSGTAGSISYVLVNGKSNDLFENSKEVFIT.....NQVVNAKHEIK 153

NTDB id 1009 ACIAD RS15175 WP 004923730.1 TTEASSIDVSSDDKRARVVVNLDAGAFTRVEGVNFILKINNIQSTAT.....PVAT.....SAPAPQGIG 146

NTDB id 1039 HON27 RS01460 WP 031993779.1 ATNEASSVDVTSDDDRRLTLTVNLKDAGFTTRVEGNTHILKINSAQTSNK.....PLPV.....VS.AQPQGV 145

NTDB id 1052 ABD1 RS15850 WP 001017033.1 ATNEASSVDVTSDDQRSRLTLTVNLKDAGFTTRVEGNTHILKINSAQTSNK.....PLPV.....VS.AQPQGV 145

NTDB id 397294 N028 RS01755 WP 024639377.1 GTGNARSVVVVQAQDRTRVIINLTTLSPYSSRVGDNNLFVVGQGAAGAASQPTTAMGAQRVAVPPPTPASAKPFIACVKAIR 166

NTDB id 1193 PAKAF RS26665 WP 003161249.1 SVGNTRSVMVVEAKDRTRLIINLTTLSSYTTRVEGNLNFVVGNSPAGASVASTA.PVKASPASYAQPIKPYPVAC.RAIR 164

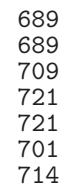
consensus
*** ! * * * * * ! * ! * ! *

[illegible]

NTDB id 1257 GC085 RS04855 WP 163621000.1	VYQV	VNKQFM	VDF	PLTAE	EIR	QAKL	KKQV	FTGK	RIS	LN	FQNI	STR	VLQ	LLAD	FTG	INMV	VSD	KVQG	DIT	LRLN	DI	IPWD	QALD	II	323																																																							
NTDB id 1284 ACE17W RS12370 WP 010946666.1	VYQV	VNKQFM	VDF	PLTAE	EIR	QAKL	KKQV	FTGK	RIS	LN	FQNI	STR	VLQ	LLAD	FTG	INMV	VSD	KVQG	DIT	LRLN	DI	IPWD	QALD	II	323																																																							
NTDB id 1009 ACIAD RS15175 WP 004923730.1	AYQA	ENKLTIS	L	KRPQDN	V	RLTS	KNNQNY	GTGK	RIS	LN	FQNI	STR	VLQ	LLAD	FTG	INMV	VSD	KVQG	DIT	LRLN	DI	IPWD	QALD	II	315																																																							
NTDB id 1039 HON27 RS01460 WP 031993779.1	AYQA	ENKLTIS	L	KRPQDK	N	VTS	LYKTPN	YS	GN	KLS	LD	FQDI	EVRR	VLQ	LLAD	FTG	INMV	VSD	KVQG	DIT	LRLN	DI	IPWD	QALD	II	314																																																						
NTDB id 1052 ABD1 RS15850 WP 001017033.1	AYQA	ENKLTIS	L	KRPQDK	N	VTS	LYKTPN	YS	GN	KLS	LD	FQDI	EVRR	VLQ	LLAD	FTG	INMV	VSD	KVQG	DIT	LRLN	DI	IPWD	QALD	II	314																																																						
NTDB id 397294 N028 RS01755 WP 024639377.1	AFQT	ENKLTIS	V	RPLT	N	EDL	DRRAAD	KPV	YTGE	KLS	LN	FQDI	EVRR	VLQ	LLAD	FTG	INMV	VSD	KVQG	DIT	LRLN	DI	IPWD	QALD	II	336																																																						
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VYQT	DNRLTV	S	IKPMT	TE	DA	ERRKKDN	FA	YTGE	KLS	LN	FQDI	EVRR	VLQ	LLAD	FTG	INMV	VSD	KVQG	DIT	LRLN	DI	IPWD	QALD	II	334																																																						
consensus	VYQ	V	N	K	Q	F	M	V	D	F	P	L	T	A	E	I	R	Q	A	K	L	K	K	Q	V	F	T	G	K	R	I	S	L	N	F	Q	N	I	S	T	R	A	V	L	Q	L	L	A	D	F	T	G	I	N	M	V	S	D	K	V	Q	G	D	I	T	L	R	L	N	D	I	P	W	D	Q	A	L	D	I	I

[illegible][illegible][illegible][illegible]

```
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 397294 N028 RS01755 WP 024639377.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus
```



```
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 397294 N028 RS01755 WP 024639377.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus
```

EGREKDVYK	698
EGREKDVYK	698
EGREKDVYK	709
.	721
.	721
.	701
.	714

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