

```

NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 383919 BSR23 RS03655 WP 005479682.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus

```



```

NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 383919 BSR23 RS03655 WP 005479682.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451.( )
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus

```



```

NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 383919 BSR23 RS03655 WP 005479682.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus

```



```

NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 383919 BSR23 RS03655 WP 005479682.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus

```



```

NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 383919 BSR23 RS03655 WP 005479682.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus

```

EIR	DVA	G	M	A	M	R	N	T	N	L	F	P	N	M	L	Q	M	V	A	G	E	E	S	G	D	D	M	L	N	K	V	A	T	I	Y	E	F	E	V	D	N	V	D	N	L	G	K	I	L	E	P	L	I	I	V	F	L	G	T	V	V	G	G	L															
KVY	E	R	T	S	G	L	S	N	S	E	C	D	K	F	L	A	T	F	S	M	G	E	E	S	G	R	L	D	D	M	L	N	K	V	A	T	I	Y	E	F	E	V	D	N	V	D	N	L	S	K	I	L	E	P	L	I	I	V	F	L	G	T	V	V	G	G	L												
EY	R	D	T	A	A	G	M	P	M	Y	I	A	M	R	N	T	E	A	F	P	E	M	V	L	Q	M	V	M	I	G	E	E	S	G	R	L	D	D	M	L	N	K	V	A	T	I	Y	E	F	E	V	D	N	V	D	N	L	S	K	I	L	E	P	L	I	I	V	F	L	G	T	V	V	G	G	L			
EY	R	D	T	A	A	G	M	P	M	Y	I	A	M	R	N	T	E	A	F	P	E	M	V	L	Q	M	V	M	I	G	E	E	S	G	R	L	D	D	M	L	N	K	V	A	T	I	Y	E	F	E	V	D	N	V	D	N	L	S	K	I	L	E	P	L	I	I	V	F	L	G	T	V	V	G	G	L			
EY	R	D	T	A	A	G	M	P	M	Y	I	A	M	R	N	T	E	A	F	P	E	M	V	L	Q	M	V	M	I	G	E	E	S	G	R	L	D	D	M	L	N	K	V	A	T	I	Y	E	F	E	V	D	N	V	D	N	L	S	K	I	L	E	P	L	I	I	V	F	L	G	T	V	V	G	G	L			
E	I	R	T	R	V	I	Q	G	L	S	M	T	S	G	M	R	A	T	E	L	F	P	N	M	L	Q	M	S	S	I	G	E	E	S	G	S	L	D	D	M	L	N	K	A	A	E	F	Y	E	D	E	V	D	N	A	V	G	L	S	A	M	M	E	P	I	I	I	V	I	L	G	L	V	I	G	T	L		
E	I	R	T	R	V	I	Q	G	L	S	M	T	S	G	M	R	A	T	E	L	F	P	N	M	L	Q	M	S	S	I	G	E	E	S	G	S	L	D	D	M	L	N	K	A	A	E	F	Y	E	D	E	V	D	N	A	V	G	L	S	A	M	M	E	P	I	I	I	L	G	L	V	I	G	T	L				
K	I	R	E	V	A	T	G	Q	M	F	I	A	M	E	N	T	H	L	F	P	N	M	I	Q	M	V	A	I	G	E	E	S	G	A	L	D	E	M	L	S	K	V	A	T	E	F	Y	E	E	V	N	N	A	V	D	A	L	S	S	L	E	P	I	I	M	S	I	L	G	I	L	V	G	G	L				
K	I	K	S	D	V	S	S	G	M	L	N	F	S	M	R	T	S	N	R	F	P	S	M	A	V	Q	M	T	A	I	G	E	E	S	G	A	L	D	E	M	L	S	K	V	A	T	E	F	Y	E	D	E	V	D	N	M	V	D	G	L	T	A	L	M	E	P	M	I	M	A	V	L	G	V	L	V	G	G	L
K	I	R	E	D	V	T	G	Q	L	N	F	A	M	R	T	S	N	R	F	P	S	M	A	V	Q	M	T	A	I	G	E	E	S	G	A	L	D	E	M	L	S	K	V	A	T	E	F	Y	E	S	E	V	D	H	A	V	D	G	L	T	S	M	M	E	P	L	I	M	A	I	L	G	I	L	V	G	G	L	
K	I	R	E	D	V	A	T	G	Q	L	N	F	A	M	R	T	S	N	R	F	P	S	M	A	V	Q	M	T	A	I	G	E	E	S	G	A	L	D	S	M	L																																						

logo

NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	VV	AM	YLP	IF	NLM	SV	LG	.	408	
NTDB	id	383919	BSR23	RS03655	WP	005479682.1	VT	AM	YLP	IF	NLM	SV	LG	.	407	
NTDB	id	1402	DSB67	RS12670	WP	010643257.1	VT	AM	YLP	IF	NLM	SV	LG	.	407	
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	LV	AM	YLP	IF	NL	GN	VV	AA	.	410
NTDB	id	1113	AAA85695.1	219..1451()			LV	AM	YLP	IF	NL	GN	VV	AA	*	410
NTDB	id	1252	GC085	RS07730	WP	011213805.1	VV	AM	YLP	IF	KL	GS	AV	..	406	
NTDB	id	1198	PSJM300	03950	AFN76868.1		II	AM	YLP	IF	QM	GS	SV	..	405	
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	VI	AM	YLP	IF	QM	GS	SV	..	408	
NTDB	id	1059	ABD1	RS01610	WP	000279215.1	VI	AM	YLP	IF	QM	GS	SV	..	408	
consensus							***!!!!!!*!*****									

WYAMLPFNLGSW
LTAMLPFNLGSW

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