

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 384225 FZ920 RS17035 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 384225 FZ920 RS17035 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL	240
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 384225 FZ920 RS17035 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

[illegible]

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGBF RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

MSA	TT	DM	ET	GL	Vo	G	Y	A	Q	AL	Q	V	K	A	G	S	P	E	X	L	T	SG	L	SP	EL	LA	E	T	TS	S	E	FG	P									
SKKSRAVALRNYF	SPFGNK	LVAG	GHV	DAEQ	RQALV	QV	K	T	GRS	LPEL	KAVT	GRE	LSP	EL	LRQY	KNQ	L	F	E	L	KV	L	Y	G	V	D	96															
KEA	EVQKGLP	RAKPL	GEIL	VELG	LARP	DEEAL	QKRR	GG	RLED	TLVQ	SGK	LR	PEAL	QA	991	VAT	Q	L	G	Y	P	60																				
ML	TNLVAIL	RQAEL	ISAT	Q	AVT	QVS	ASG	TSV	PEAL	LS	SIF	HA	ELTE	Q	96	L	S	I	F	G	L	S	60																			
MHSN	LSTIL	RQKGL	TFS	Q	EES	LIE	QV	K	ASG	IS	MPEAL	LS	SG	FF	T	SSE	LA	EH	96	L	S	S	I	F	G	L	S	60														
ML	TNLSTIL	RQAGIL	TFS	Q	EES	LIE	QV	K	ASG	IS	MPEAL	LS	SG	FF	Q	S	HE	L	TEH	96	L	S	S	I	F	G	L	S	60													
MSV	GLLRIL	VQNV	VIVE	Q	A	E	H	Y	N	S	Q	A	G	KEV	IP	M	L	F	S	D	G	V	T	SP	K	LA	L	96	I	A	R	V	S	59								
MAL	ATEEY	RLQ	TG	QL	LVLEK	L	DK	T	K	A	I	E	L	H	K	L	A	A	E	K	T	S	L	T	Q	I	V	K	96	N	K	I	L	S	A	E	Q	I	A	L	T	96
MSA	LHTSP	K	F	T	G	F	R	R	L	V	E	E	K	H	V	S	A	A	T	M	Q	T	A	L	D	A	A	K	R	A	K	Q	D	T	V	A	Y	L	I	E	96	
MSA	LHTSP	K	F	T	G	F	R	R	L	V	E	E	K	H	V	S	A	A	T	M	Q	T	A	L	D	A	A	K	R	A	K	Q	D	T	V	A	Y	L	I	E	96	
MSA	FTTPP	K	F	T	G	F	R	R	L	V	E	E	G	Y	N	A	Q	N	M	Q	A	L	E	K	A	K	F	K	Q	D	I	V	P	L	I	D	96					
NFS	I	S	P	L	T	I	A	E	96	L	S	I	S	P	L	T	I	A	E	96	L	S	I	S	P	L	T	I	A	E	96	L	S	I	S	P	L	T	I	A	E	96

```

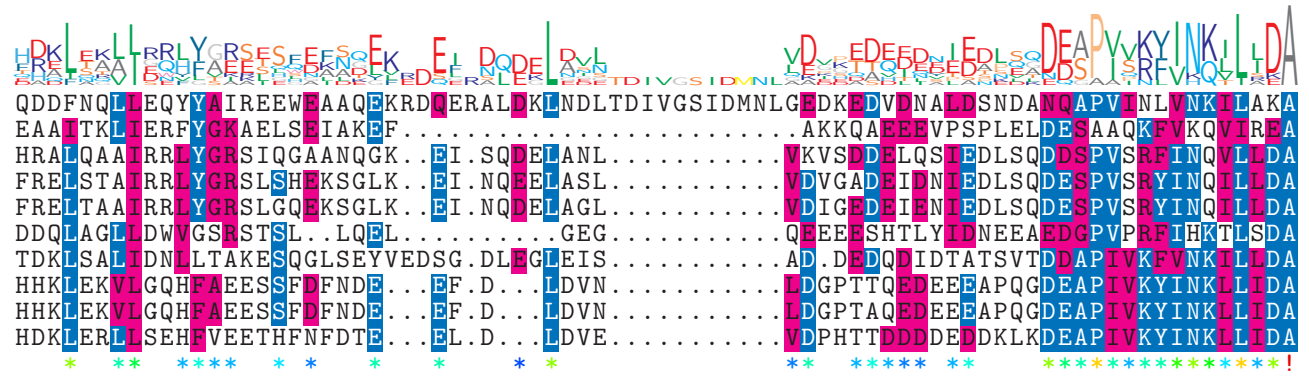
NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGBF RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



Sequence	Position
SVDPEVAPVATQQMAELIGRFFPLDTCRRFKFLPLAQEGDPPSVLVAVDPDNLAQDEINRILRVKGF..ELRRLVVT	164
YVDPEEDPPD.....GAPLLPEDLCRRYGFPHRLE.....GNRLVLLMKDPNRNILAADVRLALKRGLNYPEVAPAVAT	463
ETDLSRDYDAN.....CQQQLGLRELITRYDALPTAKQ.....GNLLLLAVSDPTLLQAEFFRFATG.....LQVELALAD	127
QPELSQYEQYAS.....LCQQQLGLRELITRHNALPLHRT.....PSTLLAVADPTNQQAEDDFRFATG.....LQVELVLAD	127
CTSLNQYEQYAS.....LCQTLLGLRLDITRHNALPLNRT.....SSTLLAVADPTNQQAEDDFRFATG.....LQVELVLAD	127
ITDLRHYPRHR.....VLMGVLTEEQVEFHCVPRFR.....GDKVFFAVSDPTQMPQIQKTVSAAQ.....IAVELVIVE	126
MDINCIDVGT.....IPVNLVNEKLIKRHAMVPLFSR.....GTNLVLTATDDPSKQASKEIQFHTG.....LNTHAIVVE	135
YFDLDVYDTSQ.....IPKDLVDQKLLILKHRILPLIQR.....GQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE	135
YFDLDVYDTSQ.....IPKDLVDQKLLILKHRILPLIQR.....GQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE	135
LEDLGVFDPAL.....FLDKKIDEKLIQRYIMPLVHR.....GHVLYVATSNPTNIEAMDIAIRFNSK.....LKVEPTIVE	135

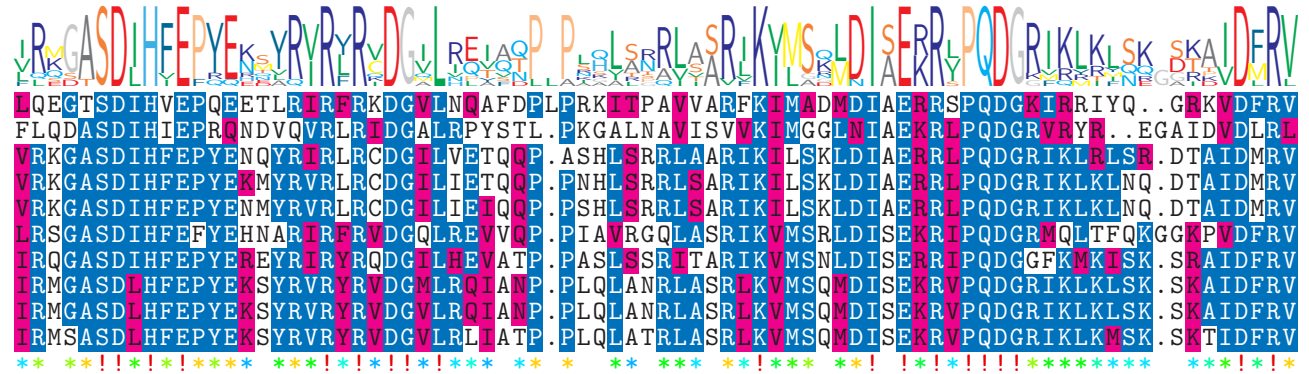
```
NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus
```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGBF RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 384225 FZ920 RS17035 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

```



logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 384225 FZ920 RS17035 WP 001274990.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved