

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 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 46959 H7R23 RS17810 WP 017385371.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	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 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 46959 H7R23 RS17810 WP 017385371.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
consensus		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	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 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 46959 H7R23 RS17810 WP 017385371.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	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 1018 ACIAD RS01685 WP 004920473.1
NTDB id 46959 H7R23 RS17810 WP 017385371.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
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 1018 ACIAD RS01685 WP 004920473.1
NTDB id 46959 H7R23 RS17810 WP 017385371.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

```

MSA	TT	DM	ES	GL	NR	Vo	G	Y	A	Q	Q	A	L	Q	V	K	A	G	S	P	EX	L	TS	SG	L	SP	BL	LA	ET	TS	E	FG	LD		
SKKSRAVALRNYF	S	P	F	G	N	L	V	A	G	H	V	D	A	E	Q	R	Q	A	L	V	Q	V	K	T	G	R	S	L	P	E	L	K	A	V	T
KEA	E	V	Q	K	G	L	P	R	A	K	P	L	G	E	I	L	V	E	L	G	A	R	P	E	D	V	E	E	A	L	Q	K	R	R	E
.....	M	L	T	N	L	V	A	I	L	R	Q	A	E	L	I	S	A	T	Q	E	A	V	T	Q	V	S	A	S	G	T	S	P	E	A	L
.....	M	H	S	N	L	S	T	I	L	R	Q	K	G	L	T	F	S	Q	E	E	S	L	I	E	Q	V	K	A	S	G	I	S	M	P	E
.....	M	L	T	N	L	V	A	I	L	R	Q	A	E	L	I	S	A	T	Q	E	A	V	T	Q	V	S	A	S	G	T	S	P	E	A	L
.....	M	S	V	G	L	L	R	I	L	V	Q	N	V	I	V	E	Q	A	E	H	Y	N	E	S	Q	A	G	K	E	V	I	P	M	L	
.....	M	A	L	A	T	E	E	Y	R	L	Q	G	I	L	V	L	E	K	I	D	K	T	K	A	I	E	L	H	K	L	A	A	E	K	
.....	M	S	A	F	T	T	P	P	K	F	S	G	F	I	R	R	L	V	E	E	G	Y	V	N	A	Q	N	M	Q	A	L	E	K	A	
.....	M	S	V	I	H	T	S	P	K	F	S	G	F	F	R	R	L	V	E	E	K	H	V	S	A	A	T	M	Q	T	A	L	D	A	
.....	M	S	A	L	H	T	S	P	K	F	S	G	F	F	R	R	L	V	E	E	K	H	V	S	A	A	T	M	Q	T	A	L	D	A	

```

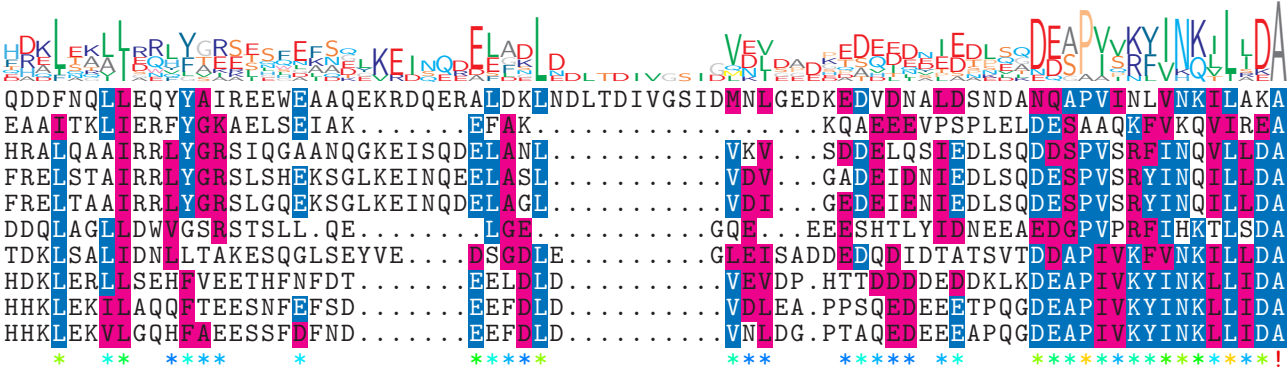
NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGBF RS09235 WP 003689817.1
NTDB id 1251 GCO85 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 46959 H7R23 RS17810 WP 017385371.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

```

[illegible]

logo

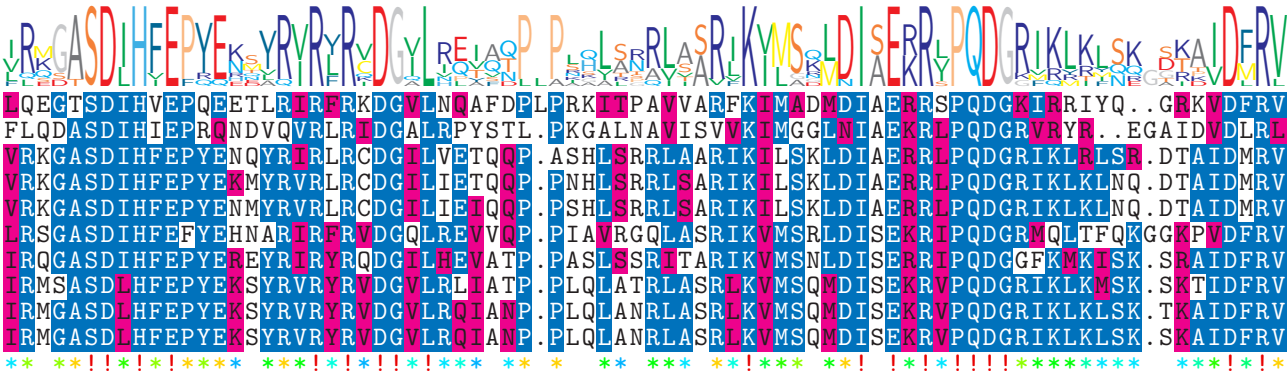
NTDB id	1410	SGL RS13950 WP 010873519.1
NTDB id	1028	TT RS08215 WP 011173991.1
NTDB id	1168	A1552VC RS11070 WP 000957200.1
NTDB id	1293	VP RS12240 WP 005479695.1
NTDB id	1401	DSB67 RS12665 WP 010643259.1
NTDB id	1110	NGFG RS09235 WP 003689817.1
NTDB id	1251	GC085 RS07725 WP 011946523.1
NTDB id	1018	ACIAD RS01685 WP 004920473.1
NTDB id	46959	H7R23 RS17810 WP 017385371.1
NTDB id	1058	ABD1 RS01615 WP 001274986.1
consensus		



244
518
193
193
193
183
202
197
197
197

logo

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	1018	ACIAD RS01685 WP 004920473.1
NTDB id	46959	H7R23 RS17810 WP 017385371.1
NTDB id	1058	ABD1 RS01615 WP 001274986.1
consensus		



logo

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	1018	ACIAD RS01685 WP 004920473.1
NTDB id	46959	H7R23 RS17810 WP 017385371.1
NTDB id	1058	ABD1 RS01615 WP 001274986.1
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 1018 ACIAD RS01685 WP 004920473.1
NTDB id 46959 H7R23 RS17810 WP 017385371.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
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 1018 ACIAD RS01685 WP 004920473.1
NTDB id 46959 H7R23 RS17810 WP 017385371.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
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 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 46959 H7R23 RS17810 WP 017385371.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved