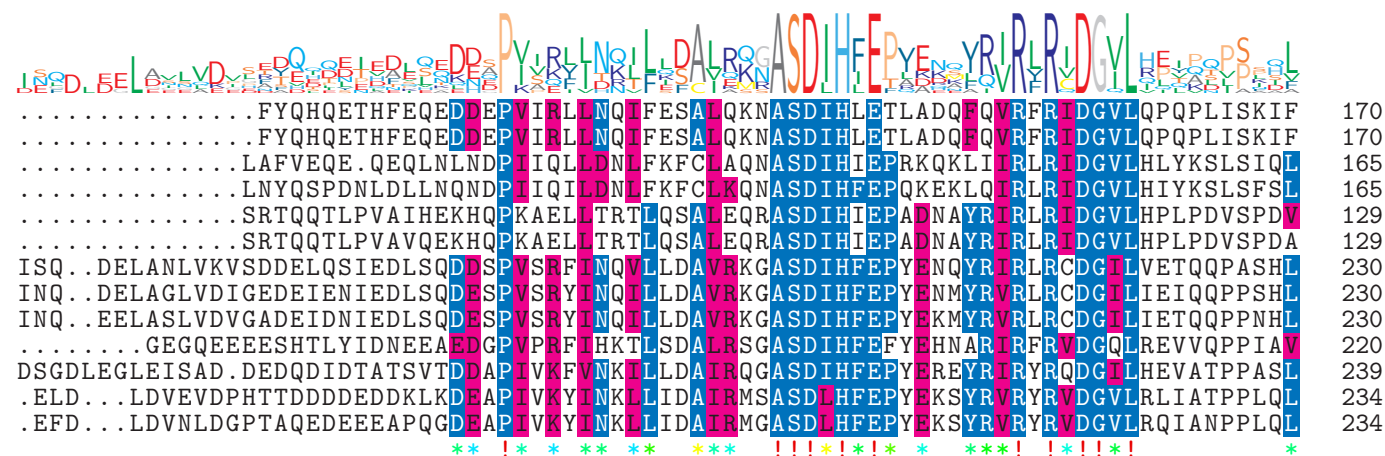
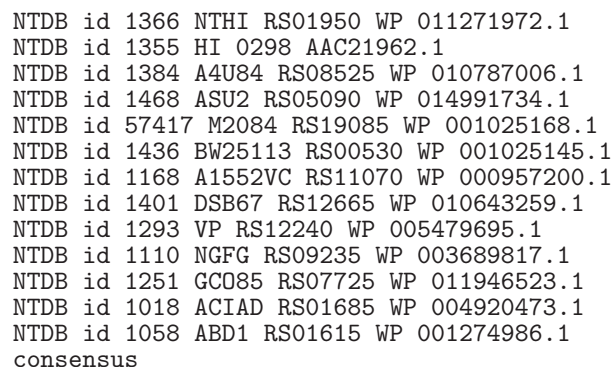
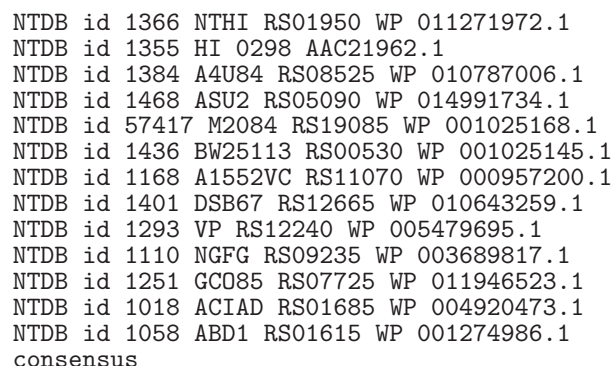


```

NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1355 HI 0298 AAC21962.1
NTDB id 1384 A4U84 RS08525 WP 010787006.1
NTDB id 1468 ASU2 RS05090 WP 014991734.1
NTDB id 57417 M2084 RS19085 WP 001025168.1
NTDB id 1436 BW25113 RS00530 WP 001025145.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1293 VP RS12240 WP 005479695.1
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 1058 ABD1 RS01615 WP 001274986.1
consensus

```



logo

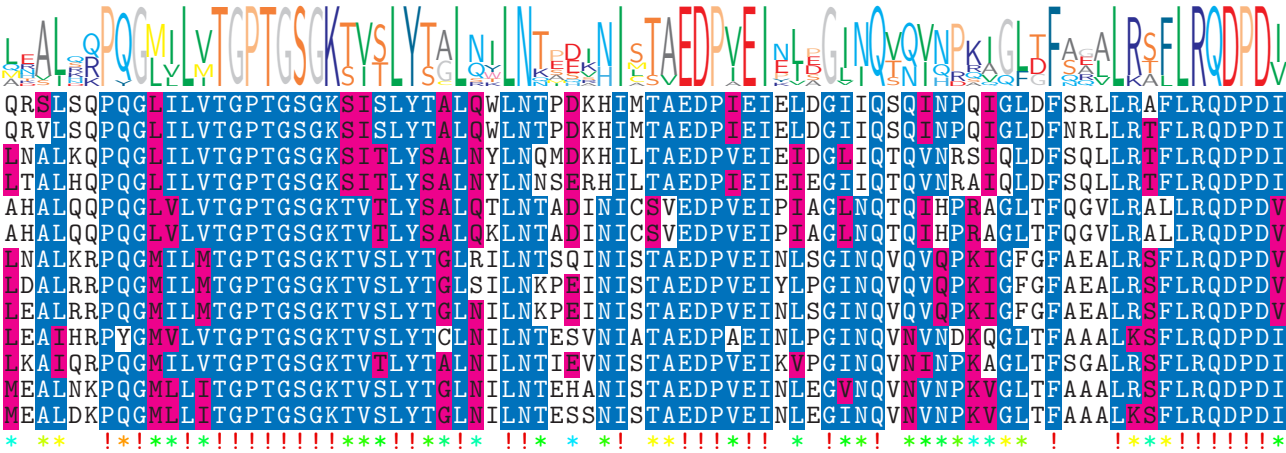
NTDB id	1366	NTHI	RS01950	WP	011271972.1
NTDB id	1355	HI	0298	AAC21962.1	
NTDB id	1384	A4U84	RS08525	WP	010787006.1
NTDB id	1468	ASU2	RS05090	WP	014991734.1
NTDB id	57417	M2084	RS19085	WP	001025168.1
NTDB id	1436	BW25113	RS00530	WP	001025145.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	1293	VP	RS12240	WP	005479695.1
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	1058	ABD1	RS01615	WP	001274986.1
consensus					



249
249
244
244
207
207
309
309
309
300
318
313
313

logo

NTDB id	1366	NTHI	RS01950	WP	011271972.1
NTDB id	1355	HI	0298	AAC21962.1	
NTDB id	1384	A4U84	RS08525	WP	010787006.1
NTDB id	1468	ASU2	RS05090	WP	014991734.1
NTDB id	57417	M2084	RS19085	WP	001025168.1
NTDB id	1436	BW25113	RS00530	WP	001025145.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	1293	VP	RS12240	WP	005479695.1
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	1058	ABD1	RS01615	WP	001274986.1
consensus					



329
329
324
324
287
287
389
389
389
380
398
393
393

logo

NTDB id	1366	NTHI	RS01950	WP	011271972.1
NTDB id	1355	HI	0298	AAC21962.1	
NTDB id	1384	A4U84	RS08525	WP	010787006.1
NTDB id	1468	ASU2	RS05090	WP	014991734.1
NTDB id	57417	M2084	RS19085	WP	001025168.1
NTDB id	1436	BW25113	RS00530	WP	001025145.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	1293	VP	RS12240	WP	005479695.1
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	1058	ABD1	RS01615	WP	001274986.1
consensus					



403
403
398
398
366
366
468
468
460
478
472
472

NTDB	id	1366	NTHI	RS01950	WP	011271972.1	LINS	C	DCH	Q	GYR	GRI	G	VYQ	F	L	H	W	Q	Q	N	GY		Q	T	D	F	E	N	L	R	S	441																																																				
NTDB	id	1355	HI	0298	AAC	21962.1	LAN	S	C	DCH	Q	GYR	GRI	G	VYQ	F	L	H	W	Q	Q	N	DY		Q	T	D	F	E	N	L	R	S	441																																																			
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	GC	..	D	E	C	Y	Q	GYR	GRI	G	VYQ	F	L	S	R	T	A	K		K	F	D	K	Q	T	A	Y	L	D	F	S	S	439																																														
NTDB	id	1468	ASU2	RS05090	WP	014991734.1	GC	..	D	N	C	Y	H	G	Y	K	G	R	T	G	I	Y	Q	L	L	A	K	Q	G	K		F	F	E	K	S	T	A	Y	L	D	Y	N	L	R	S	439																																						
NTDB	id	57417	M2084	RS19085	WP	001025168.1	H	I	P	D	N	V	W	S	S	P	L	P	R	W	Q	A	P	GC	..	V	H	C	Y	H	G	F	Y	G	R	T	A	L	F	E	V	L	P	I	T	P	V	I	R	Q	L	I	S	A	N	T	D	V	E	S	L	E	T	H	A	R	Q	A	G	M	R	T	L	F	E	N	436								
NTDB	id	1436	BW25113	RS00530	WP	001025145.1	H	I	P	D	N	V	W	S	S	P	L	P	H	W	Q	A	P	GC	..	V	H	C	Y	H	G	F	Y	G	R	T	A	L	F	E	V	L	P	I	T	P	V	I	R	Q	L	I	S	A	N	T	D	V	E	S	L	E	T	H	A	R	Q	A	G	M	R	T	L	F	E	N	436								
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	LLQ	S	Q	F	A	F	Q	P	N	E	I		Y	E	A	N	A	GC	..	N	E	C	T	G	G	Y	S	G	R	V	G	I	Y	E	V	M	A	F	N	T	E	L	A	E	A	I	M	Q	R	A	S	I	H	E	R	L	A	K	A	N	G	M	Q	T	L	Q	E	S	541										
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	QLQ	H	.	I	G	I	A	N	T	E	I		F	Q	A	N	P	D	GC	..	N	E	C	T	H	G	Y	S	G	R	T	G	I	Y	E	V	M	K	F	D	E	S	L	S	E	A	L	I	K	A	S	V	H	E	L	E	K	L	A	I	A	N	G	M	Q	T	L	Q	M	S	540								
NTDB	id	1293	VP	RS12240	WP	005479695.1	QLQ	H	.	L	G	I	Q	T	T	D	N	I		F	R	A	N	P	D	GC	..	N	E	C	T	H	G	Y	S	G	R	T	G	I	Y	E	V	M	K	F	D	E	S	L	S	E	A	L	I	K	A	S	V	H	E	L	E	K	L	A	I	A	N	G	M	Q	T	L	Q	M	S	540							
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	S	A	L	K	E	V	G	F	T	D	E	D	L	A	K	.	D	W	K	L	Y	R	A	V	GC	..	D	R	C	R	G	Q	G	Y	K	G	R	A	G	V	Y	E	V	M	P	I	S	E	E	M	Q	R	V	I	M	N	N	G	T	E	V	G	I	L	D	V	A	Y	K	E	G	M	V	D	L	R	R	A	537
NTDB	id	1251	GC085	RS07725	WP	011946523.1	Q	G	L	I	E	L	G	F	K	E	A	D	L	V	..	N	L	K	L	Y	K	A	V	GC	..	E	Q	C	T	S	G	Y	R	G	R	V	G	L	F	E	V	L	P	M	T	K	E	L	G	Q	L	I	M	S	G	G	N	S	L	D	I	L	K	L	A	Q	S	E	G	M	L	T	I						

NTDB	id	1366	NTHI	RS01950	WP	011271972.1	GLEKVSQGITDEKEIERVLGKNS..	464
NTDB	id	1355	HI	0298	AAC21962.1		GLEKVSQGITDEKEIERVLGKNL..	464
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	AKQKIEQGITTNETEVDRLVGYE...	461
NTDB	id	1468	ASU2	RS05090	WP	014991734.1	AEQKLAANITTVDEVKRVLDG...	461
NTDB	id	57417	M2084	RS19085	WP	001025168.1	GCLAVEQGLTTFEELIRVLGMPHGE	461
NTDB	id	1436	BW25113	RS00530	WP	001025145.1	GCLAVEQGLTTFEELIRVLGMPHGE	461
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	GLEKLRGGITSFALQRVLYF....	562
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	GIEKLKQGITSFRELQRVLYF....	561
NTDB	id	1293	VP	RS12240	WP	005479695.1	GIEKLKQGITSFSELQRVLYF....	561
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	GILKIMQGITSLEEVNTANTND....	558
NTDB	id	1251	GC085	RS07725	WP	011946523.1	GIEKVKEGITITIEEVNRVTVD....	574
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	GLKKVMQGVTSLQEVNRVTSE....	570
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	GLKKVMQGVTSLQEVNRVTSE....	570
consensus							*****!*****!*****	

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