

logo

		MSXLTIGDRRLGAALLDAGLLDQGYLDSGLRERLAEVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	0
NTDB id 1410 SGL RS13950 WP 010873519.1		MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	80
NTDB id 1028 TT RS08215 WP 011173991.1		.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1306 DR RS10060 WP 027479822.1		.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1		.....	0
NTDB id 1355 HI 0298 AAC21962.1		.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1		.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1		.....	0
NTDB id 74223 AV72 RS00745 WP 000650595.1		.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1		.....	0
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 1251 GC085 RS07725 WP 011946523.1		.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		.....	0
consensus		.....	0

logo

		KETFKAKLRAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	0
NTDB id 1410 SGL RS13950 WP 010873519.1		ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1028 TT RS08215 WP 011173991.1		RSIRPQTALNLQAFPPFAE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIIVVPSGA	157
NTDB id 1306 DR RS10060 WP 027479822.1		.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1		.....	0
NTDB id 1355 HI 0298 AAC21962.1		.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1		.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1		.....	0
NTDB id 74223 AV72 RS00745 WP 000650595.1		.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1		.....	0
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 1251 GC085 RS07725 WP 011946523.1		.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		.....	0
consensus		.....	0

logo

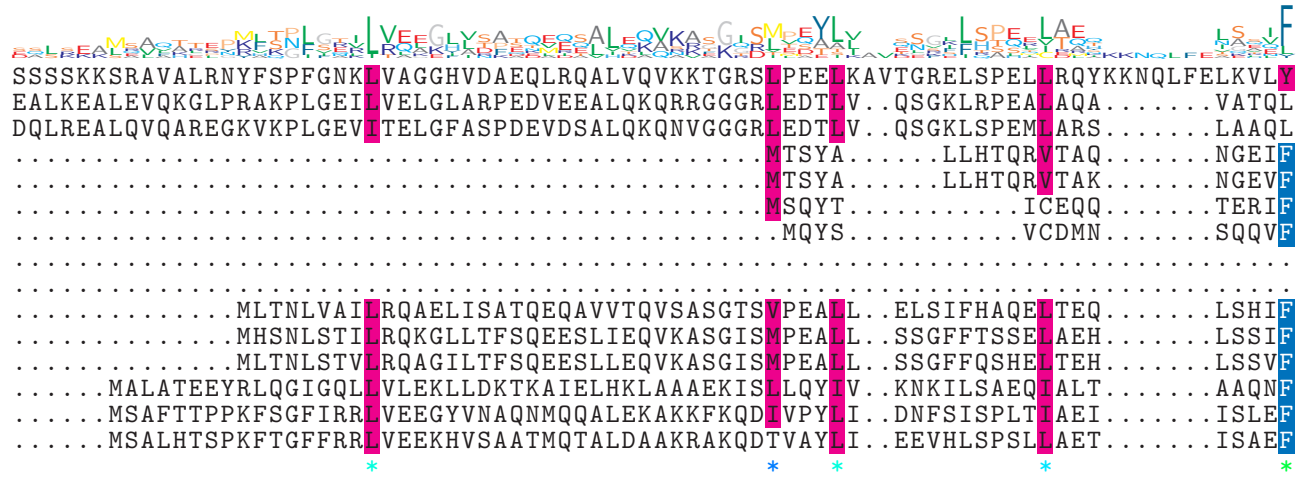
		S	G	E	G	E	K	L	G	E	L	V	D	G	V	I	D	S	R	L	V	A	L	M	Q	R	T	G	S	K	L	G	T	L	V	S	R	K	T	E	S	L	Y	E	X	L	A	E	Q	S	G	T	F	L	E	A	T	E	G	L	M	P	S	E	X	
NTDB id 1410	SGL RS13950 WP 010873519.1																																						0																										
NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA																																						237																										
NTDB id 1306	DR RS10060 WP 027479822.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFHPGEEVL																																						237																										
NTDB id 1366	NTHI RS01950 WP 011271972.1																																						0																										
NTDB id 1355	HI 0298 AAC21962.1																																						0																										
NTDB id 1384	A4U84 RS08525 WP 010787006.1																																						0																										
NTDB id 1468	ASU2 RS05090 WP 014991734.1																																						0																										
NTDB id 74223	AV72 RS00745 WP 000650595.1																																						0																										
NTDB id 1436	BW25113 RS00530 WP 001025145.1																																						0																										
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 1251	GCO85 RS07725 WP 011946523.1																																						0																										
NTDB id 1018	ACIAD RS01685 WP 004920473.1																																						0																										
NTDB id 1058	ABD1 RS01615 WP 001274986.1																																						0																										
consensus																																																																		

logo

		E	M	L	R	D	A	L	R	V	A	V	P	Y	G	E	S	P	E	V	E	V	Y	E	S	D	P	R	H	E	R	E	Y	R	L	T	R	P	X	S	M	L	T	E	P	S	R	E	E	L	E	S	Y	P	Q	R	L	G	E	X	L	V	Q	E	G	L	S	
NTDB id 1410	SGL RS13950 WP 010873519.1																																						3																												
NTDB id 1028	TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRAYPQKNRLGEVLVQEGKLSR																																						317																												
NTDB id 1306	DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRDPIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLGEQLVQEGTLSR																																						317																												
NTDB id 1366	NTHI RS01950 WP 011271972.1																																						0																												
NTDB id 1355	HI 0298 AAC21962.1																																						0																												
NTDB id 1384	A4U84 RS08525 WP 010787006.1																																						0																												
NTDB id 1468	ASU2 RS05090 WP 014991734.1																																						0																												
NTDB id 74223	AV72 RS00745 WP 000650595.1																																						0																												
NTDB id 1436	BW25113 RS00530 WP 001025145.1																																						0																												
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 1251	GCO85 RS07725 WP 011946523.1																																						0																												
NTDB id 1018	ACIAD RS01685 WP 004920473.1																																						0																												
NTDB id 1058	ABD1 RS01615 WP 001274986.1																																						0																												
consensus																																																																				

logo

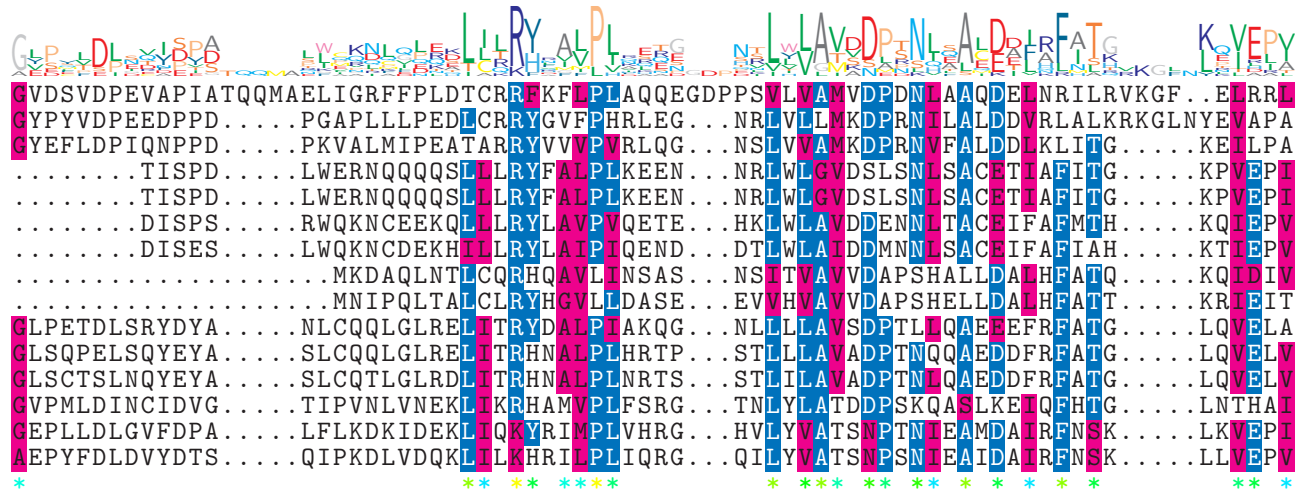
NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI O298 AAC21962.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 74223 AV72 RS00745 WP 000650595.1
 NTDB id 1436 BW25113 RS00530 WP 001025145.1
 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 1251 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 consensus



83
388
388
20
20
15
14
0
0
57
57
57
65
65
65

logo

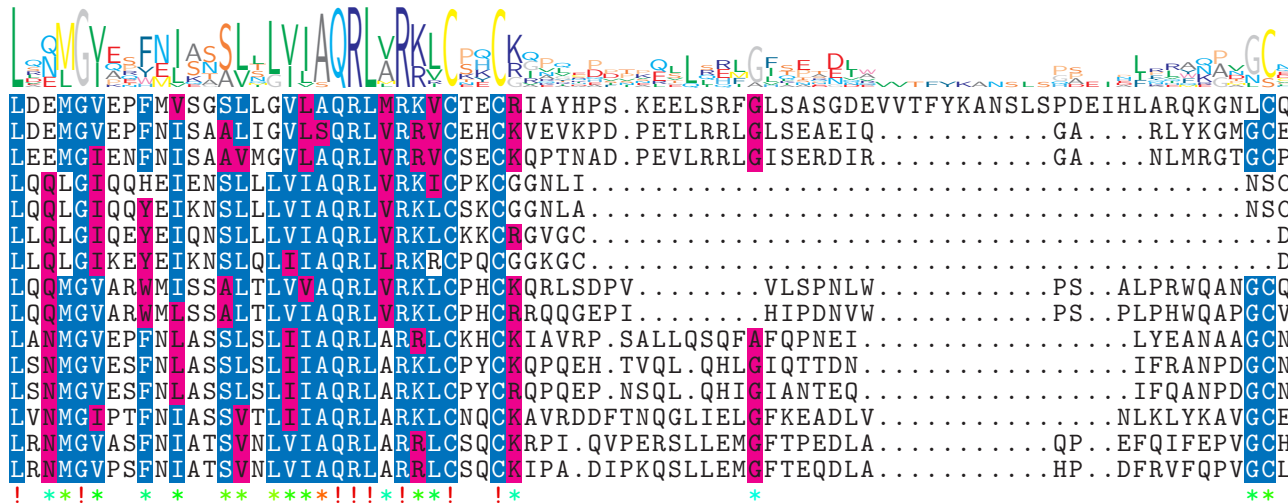
NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI O298 AAC21962.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 74223 AV72 RS00745 WP 000650595.1
 NTDB id 1436 BW25113 RS00530 WP 001025145.1
 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 1251 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 consensus



161
460
455
79
79
74
73
52
52
124
124
124
132
132
132

logo

NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI O298 AAC21962.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 74223 AV72 RS00745 WP 000650595.1
 NTDB id 1436 BW25113 RS00530 WP 001025145.1
 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 1251 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1



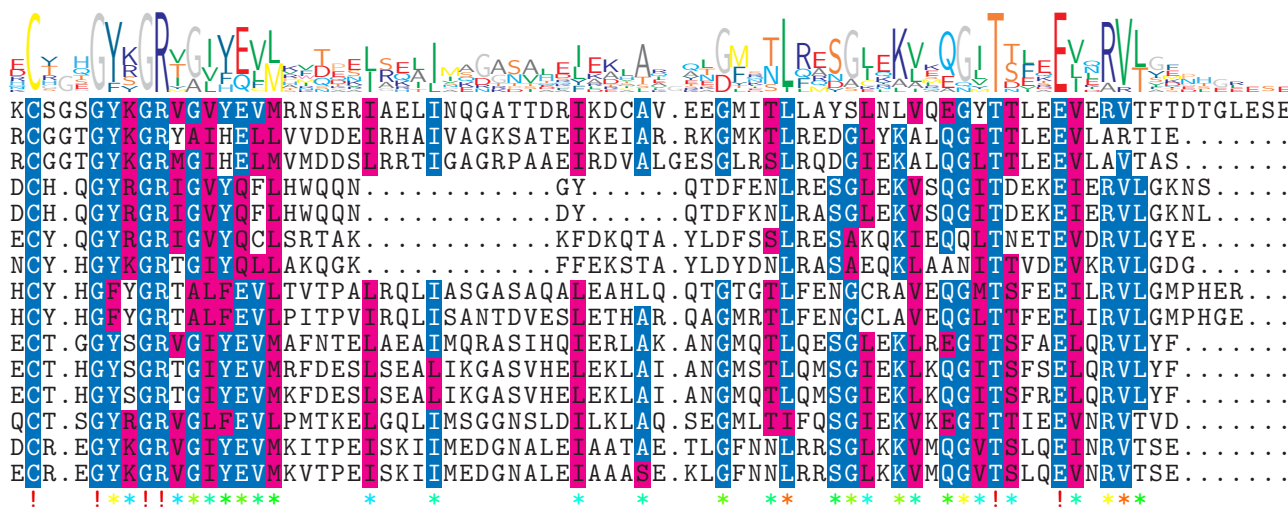
559
817
814
408
408
401
401
386
386
491
490
490
503
499
499

consensus

! **!* * * ** ***!!!*!!! !* * **

logo

NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI O298 AAC21962.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 74223 AV72 RS00745 WP 000650595.1
 NTDB id 1436 BW25113 RS00530 WP 001025145.1
 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 1251 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1



638
889
887
464
464
461
461
461
461
461
562
561
561
574
570
570

consensus

! !!!!!***** * * * * * ** ** ** **

logo

	MRAKRKSA L T C R T C A A E L Q Q E W L D C P Y C M T S R F S	
NTDB id 1410 SGL RS13950 WP 010873519.1	MRAKRKSA L T C R T C A A E L Q Q E W L D C P Y C M T S R F S	672
NTDB id 1028 TT RS08215 WP 011173991.1	889
NTDB id 1306 DR RS10060 WP 027479822.1	887
NTDB id 1366 NTHI RS01950 WP 011271972.1	464
NTDB id 1355 HI 0298 AAC21962.1	464
NTDB id 1384 A4U84 RS08525 WP 010787006.1	461
NTDB id 1468 ASU2 RS05090 WP 014991734.1	461
NTDB id 74223 AV72 RS00745 WP 000650595.1	461
NTDB id 1436 BW25113 RS00530 WP 001025145.1	461
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 1251 GC085 RS07725 WP 011946523.1	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	570
consensus		

- X non conserved
- X similar
- X ≥ 50% conserved