

logo

NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
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 95035 A0055 RS00570 WP 001025202.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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 1058 ABD1 RS01615 WP 001274986.1	.....	0
consensus		

logo

NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTL SLEEEV DLTGLVVEPYQT TTKSAFLYALAKHYPELGLPVPPPPSG	160
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 95035 A0055 RS00570 WP 001025202.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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 1058 ABD1 RS01615 WP 001274986.1	.....	0
consensus		

logo

NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELL LQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLFLESTEGIVPDPSAALLL	240
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 95035 A0055 RS00570 WP 001025202.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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 1058 ABD1 RS01615 WP 001274986.1	.....	0
consensus		

logo

NTDB id 1028	TT	RS08215	WP	011173991.1	LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
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 95035	A0055	RS00570	WP	001025202.1	.....	0
NTDB id 1436	BW25113	RS00530	WP	001025145.1	.....	0
NTDB id 1168	A1552VC	RS11070	WP	000957200.1	.....	0
NTDB id 1401	DSB67	RS12665	WP	010643259.1	.....	0
NTDB id 1293	VP	RS12240	WP	005479695.1	.....	0
NTDB id 1110	NGFG	RS09235	WP	003689817.1	.....	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

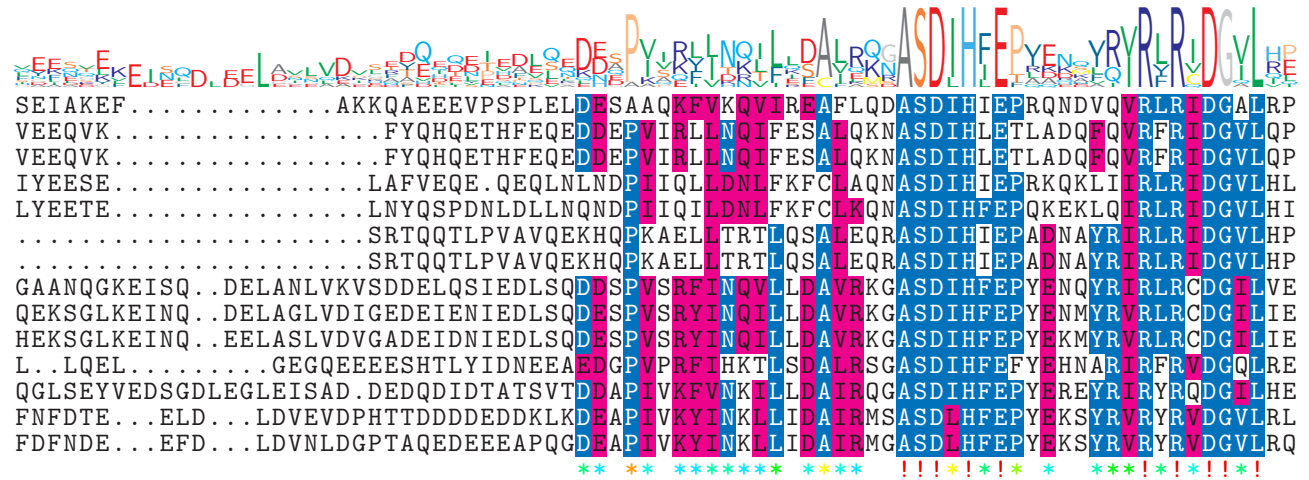
NTDB id 1028	TT	RS08215	WP	011173991.1	KEALEVQKGLPRAKPLGEIIVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEEDPP	400
NTDB id 1366	NTHI	RS01950	WP	011271972.1	.....	24
NTDB id 1355	HI	0298	AAC21962.1	.....	MTSY... ALLHTQRVTAQNGEFTI..... SP	24
NTDB id 1384	A4U84	RS08525	WP	010787006.1	.....	19
NTDB id 1468	ASU2	RS05090	WP	014991734.1	.....	18
NTDB id 95035	A0055	RS00570	WP	001025202.1	.....	6
NTDB id 1436	BW25113	RS00530	WP	001025145.1	.....	6
NTDB id 1168	A1552VC	RS11070	WP	000957200.1	.....	69
NTDB id 1401	DSB67	RS12665	WP	010643259.1	.....	69
NTDB id 1293	VP	RS12240	WP	005479695.1	.....	69
NTDB id 1110	NGFG	RS09235	WP	003689817.1	.....	68
NTDB id 1251	GCO85	RS07725	WP	011946523.1	.....	77
NTDB id 1018	ACIAD	RS01685	WP	004920473.1	.....	77
NTDB id 1058	ABD1	RS01615	WP	001274986.1	.....	77
consensus						

logo

NTDB id 1028	TT	RS08215	WP	011173991.1	DPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNLLALDDVRLALKRKGLNVEVAVAVATEAAITKLTIERFYGKAE	480
NTDB id 1366	NTHI	RS01950	WP	011271972.1	DLWERNQQQQSLILRYFALPLKEENRNLWLGVDLSNLSACETIAFITGK.... PVEPILLESSQLKELLQQLTPHQM	99
NTDB id 1355	HI	0298	AAC21962.1	DLWERNQQQQSLILRYFALPLKEENRNLWLGVDLSNLSACETIAFITGK.... PVEPILLESSQLKELLQQLTPNQ	99	
NTDB id 1384	A4U84	RS08525	WP	010787006.1	SLWQKNCEEKQLLRLYLAVPVQETEHKLWLAVDENNLTACEIFAFMTHK.... QTEPVVVIASDELKYLNLALSPE	94
NTDB id 1468	ASU2	RS05090	WP	014991734.1	SRVQKNCKDEKHLRLRYLAIPITQENDDTLWLAIDDMNLSACEIFAFIAHK.... TIEPVLISDELKYLNLALSPE	93
NTDB id 95035	A0055	RS00570	WP	001025202.1	.....	63
NTDB id 1436	BW25113	RS00530	WP	001025145.1	.....	63
NTDB id 1168	A1552VC	RS11070	WP	000957200.1	ANLCQQLGLRELITRYDALPIAKQGNLILLAVSDPTLLQAEEFRFATGL.... QVELALADHRAALQAATRR	144
NTDB id 1401	DSB67	RS12665	WP	010643259.1	ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGL.... QVELVLADFRELTAATRR	144
NTDB id 1293	VP	RS12240	WP	005479695.1	ASLCQTLGLRDLITRHNALPLHRTPTSTLILAVADPTNLQAEDDFRFATGL.... QVELVLADFRELSTAATRR	144
NTDB id 1110	NGFG	RS09235	WP	003689817.1	HRVLMGVLTEEQMVFEHCVFVFRRGDKVFAVSDPTQMPQIKTVSAAGI.... AVELVIVEDDQLAGLLD	143
NTDB id 1251	GCO85	RS07725	WP	011946523.1	GTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDPSKQASLKETQFHTGL.... NTHAIVVETDKLSALIDN	152
NTDB id 1018	ACIAD	RS01685	WP	004920473.1	ALFLKDKIDEKLIKQYRIMPLVHRGHVLYVATSNPTNTEAMDAIRFNSKL.... KVEPIIVEHDKLERLL	152
NTDB id 1058	ABD1	RS01615	WP	001274986.1	SQIPKDLVDQKLIKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKL.... LVEPVIVEHKKLEKVL	152
consensus						

logo

NTDB id 1028 TT RS08215 WP 011173991.1
 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 95035 A0055 RS00570 WP 001025202.1
 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



547
162
162
157
157
121
121
222
222
222
212
231
226
226

logo

NTDB id 1028 TT RS08215 WP 011173991.1
 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 95035 A0055 RS00570 WP 001025202.1
 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



625
241
241
236
236
199
199
301
301
301
301
292
310
305
305

logo

NTDB id 1028 TT RS08215 WP 011173991.1
 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 95035 A0055 RS00570 WP 001025202.1
 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



705
321
321
316
316
279
279
381
381
381
372
390
385
385

 non conserved
 similar
 $\geq 50\%$ conserved