

logo

		MSXLRIGDRRLGAALLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1306 DR RS10060 WP 027479822.1		.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1028 TT RS08215 WP 011173991.1		MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1355 HI 0298 AAC21962.1		.....	0
NTDB id 44167 K6J60 RS03840 WP 221267468.1		.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1		.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1		.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1		.....	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

		RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1306 DR RS10060 WP 027479822.1		RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1028 TT RS08215 WP 011173991.1		ALLPAEKAKELKAIPFALDEEAGVVRVAVFLNPLDTLSEEEVDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1355 HI 0298 AAC21962.1		.....	0
NTDB id 44167 K6J60 RS03840 WP 221267468.1		.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1		.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1		.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1		.....	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

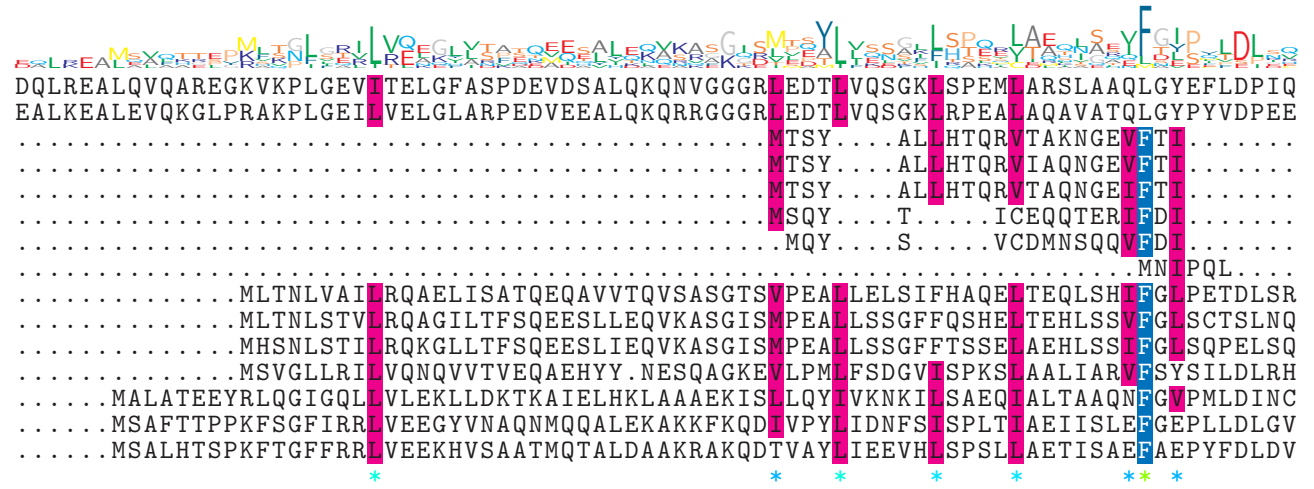
NTDB id 1306 DR RS10060 WP 027479822.1	S S A R G S E S E K L G E E L V D R G V I S S R L E V A L M A Q R T G S L G T L S S R A T E S L E X L A E Q S G T E F L E S T E G I M P S E X	237
NTDB id 1028 TT RS08215 WP 011173991.1	SDAGRTGGKLGGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFFHPGEEVL	237
NTDB id 1355 HI 0298 AAC21962.1	SGEGQKDLKLGELLKQGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVDPDSAA	0
NTDB id 44167 K6J60 RS03840 WP 221267468.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1	.....	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 1306 DR RS10060 WP 027479822.1	E E M L R D A L R R L V A V P Y S E S S E S E V E V V E S D P R R K R P D I D A L I G R P V Q L M L T R P R D I E R L I E Q F Y P Q R G R L G E Q L V Q E G T L S R	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 44167 K6J60 RS03840 WP 221267468.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1	.....	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

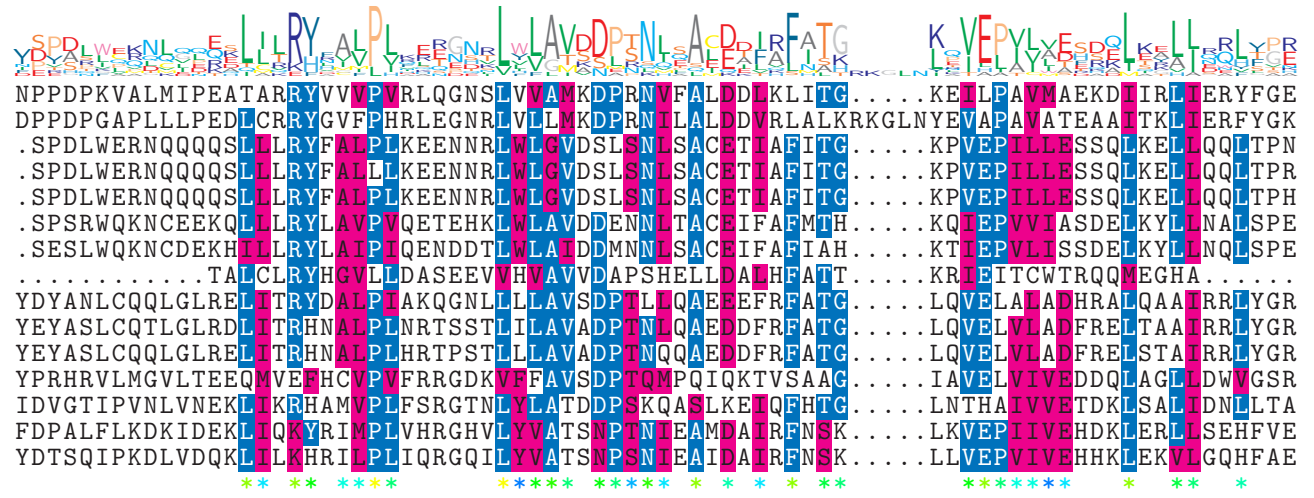
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 1436 BW25113 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 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 consensus



397
397
22
22
22
17
16
6
66
66
66
65
74
74
74

logo

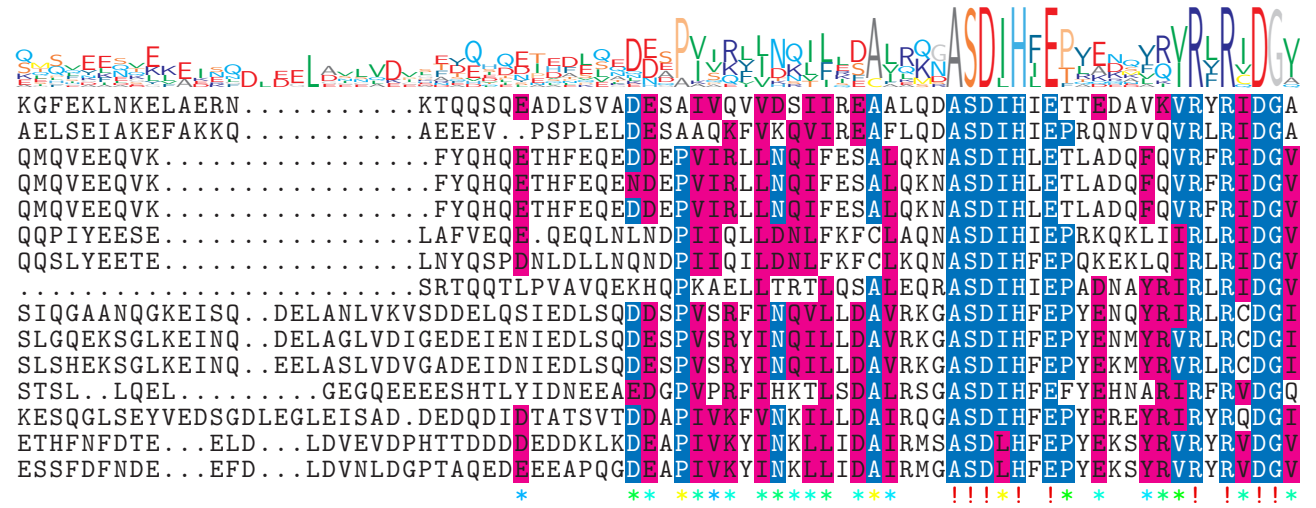
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 1436 BW25113 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 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 consensus



472
477
96
96
91
90
63
141
141
141
140
149
149
149

logo

NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 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



541
544
159
159
159
154
154
118
219
219
219
209
228
223
223

logo

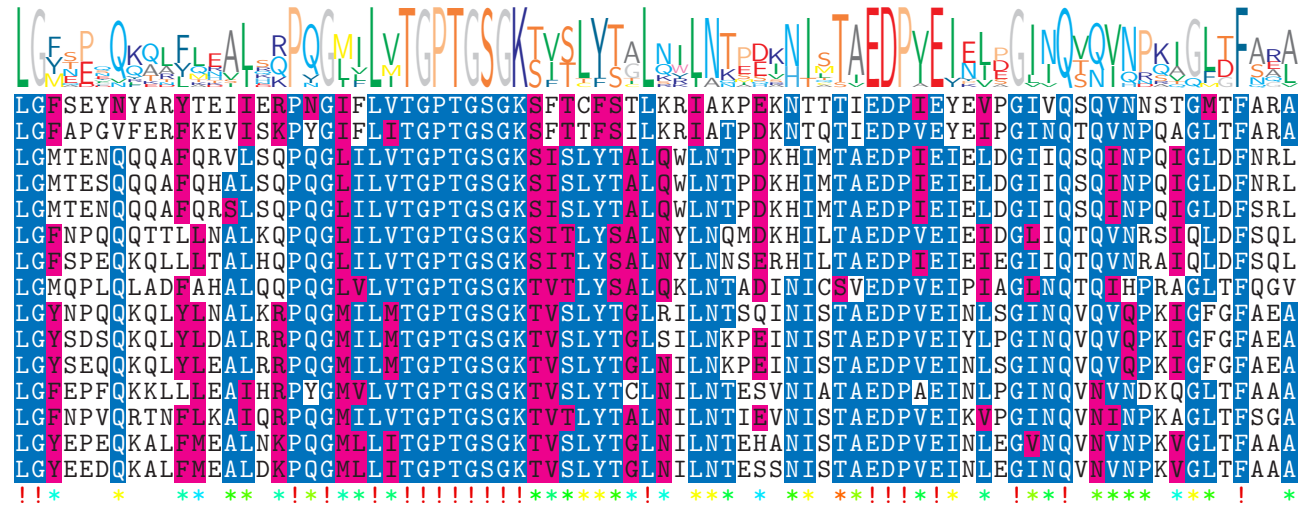
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 1436 BW25113 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



619
622
238
238
233
233
196
298
298
289
307
302
302

logo

NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 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



699
702
318
318
318
313
313
276
378
378
378
369
387
382
382

logo

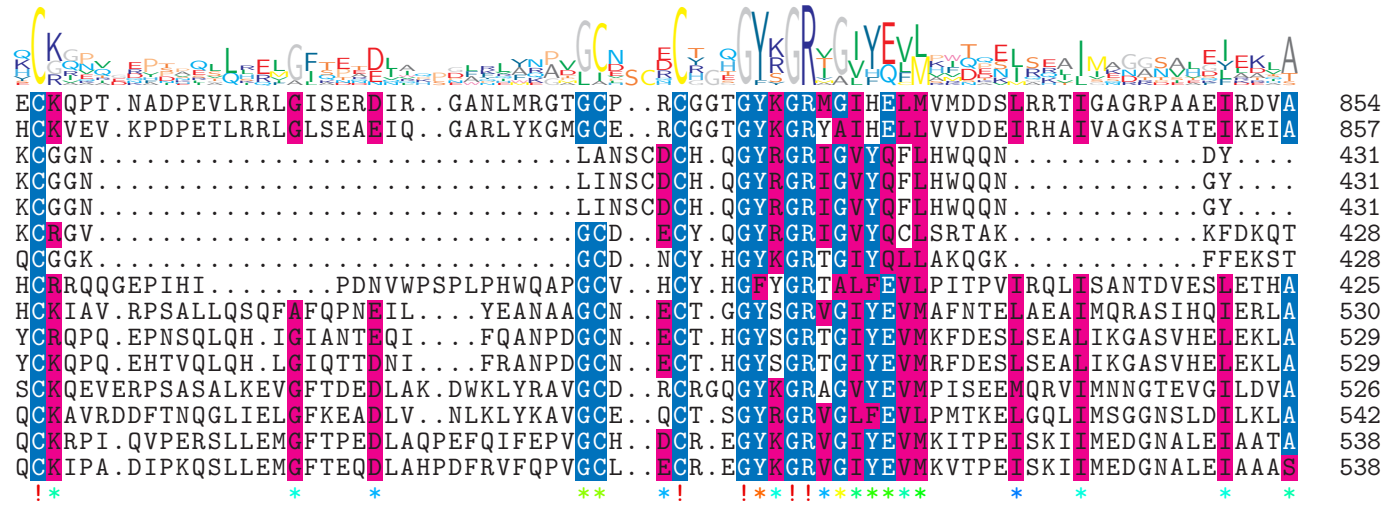
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 NTDB id 1436 BW25113 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



779
782
398
398
398
393
393
356
458
458
458
449
467
462
462

logo

NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 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 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 consensus



logo

NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 44167 K6J60 RS03840 WP 221267468.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 1468 ASU2 RS05090 WP 014991734.1
 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 GCO85 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 consensus



non conserved
 similar
 ≥ 50% conserved