

logo

| | | | |
|---------------------------------------------|--|----------------------------------------------------------------------------------|----|
| | | MSXLRIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL | 79 |
| NTDB id 1306 DR RS10060 WP 027479822.1 | | .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL | 79 |
| NTDB id 1028 TT RS08215 WP 011173991.1 | | MSVLTIGDKRLGAILLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK | 80 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1 |  | ..... | 0 |
| NTDB id 71042 K6J68 RS03600 WP 105197617.1 |  | ..... | 0 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1 |  | ..... | 0 |
| NTDB id 1355 HI 0298 AAC21962.1 |  | ..... | 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 1058 ABD1 RS01615 WP 001274986.1 |  | ..... | 0 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1 |  | ..... | 0 |
| consensus |  | ..... | 0 |

logo

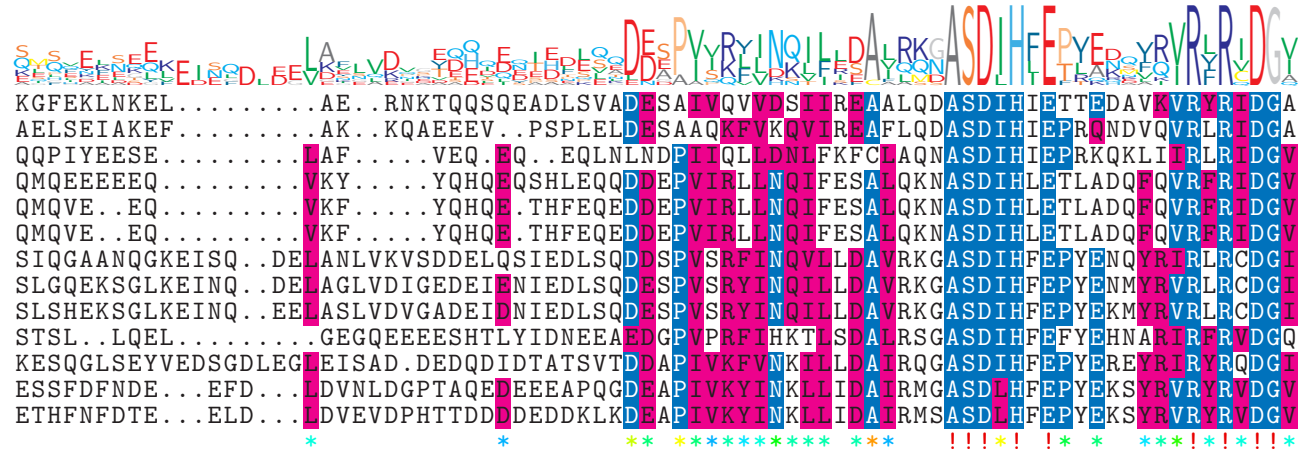
| | | | |
|---------------------------------------------|--|-------------------------------------------------------------------------------------|-----|
| | | RSIRPQTALNLQAFPPFALE..GDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA | 157 |
| NTDB id 1306 DR RS10060 WP 027479822.1 | | RSIRPQTALNLQAFPPFALE..GDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA | 157 |
| NTDB id 1028 TT RS08215 WP 011173991.1 | | ALLPAEKAKELKAIPFALDEEAGVVRVAVFLNPLDTLISLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P | 158 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1 |  | ..... | 0 |
| NTDB id 71042 K6J68 RS03600 WP 105197617.1 |  | ..... | 0 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1 |  | ..... | 0 |
| NTDB id 1355 HI 0298 AAC21962.1 |  | ..... | 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 1058 ABD1 RS01615 WP 001274986.1 |  | ..... | 0 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1 |  | ..... | 0 |
| consensus |  | ..... | 0 |

logo

| | | | |
|---------------------------------------------|--|----------------------------------------------------------------------------------|-----|
| | | SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFGHPGEEVL | 237 |
| NTDB id 1306 DR RS10060 WP 027479822.1 | | SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFGHPGEEVL | 237 |
| NTDB id 1028 TT RS08215 WP 011173991.1 | | SGEGQKDKLKLGELLQKQGWISREALEEALVEQEKTGDLGRILV.RKGLPEEALYRALAEQKGLFLESTEGIVPDPSAA | 237 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1 |  | ..... | 0 |
| NTDB id 71042 K6J68 RS03600 WP 105197617.1 |  | ..... | 0 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1 |  | ..... | 0 |
| NTDB id 1355 HI 0298 AAC21962.1 |  | ..... | 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 1058 ABD1 RS01615 WP 001274986.1 |  | ..... | 0 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1 |  | ..... | 0 |
| consensus |  | ..... | 0 |

logo

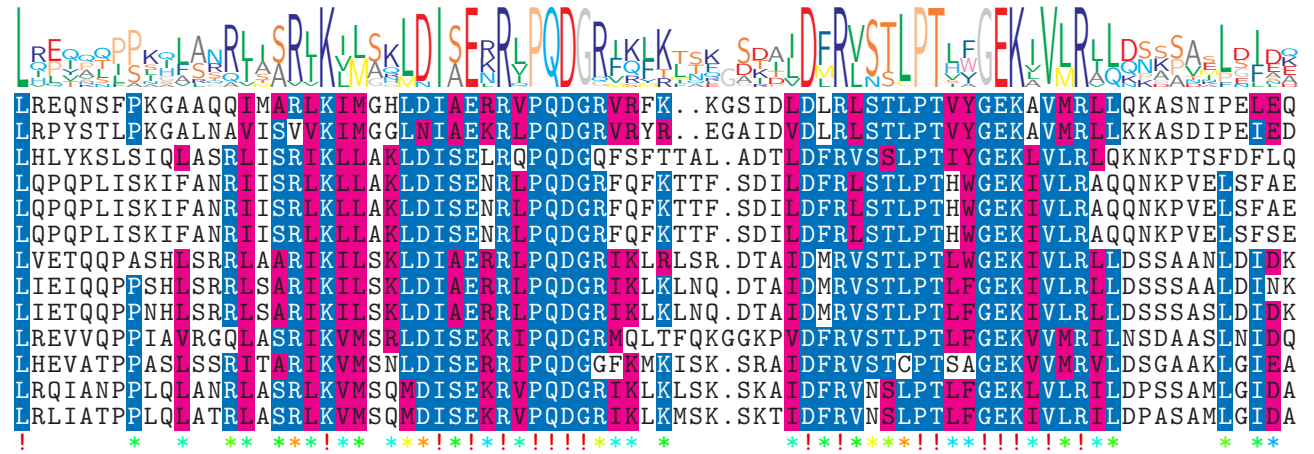
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 71042 K6J68 RS03600 WP 105197617.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 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 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



541
544
154
162
159
159
219
219
219
209
228
223
223

logo

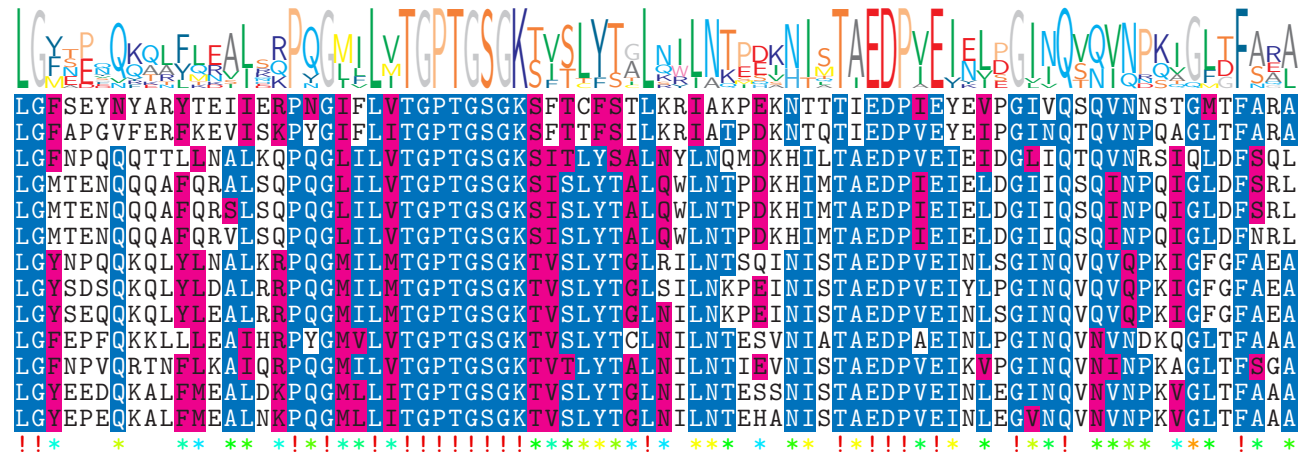
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 71042 K6J68 RS03600 WP 105197617.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 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 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



619
622
233
241
238
238
298
298
298
289
307
302
302

logo

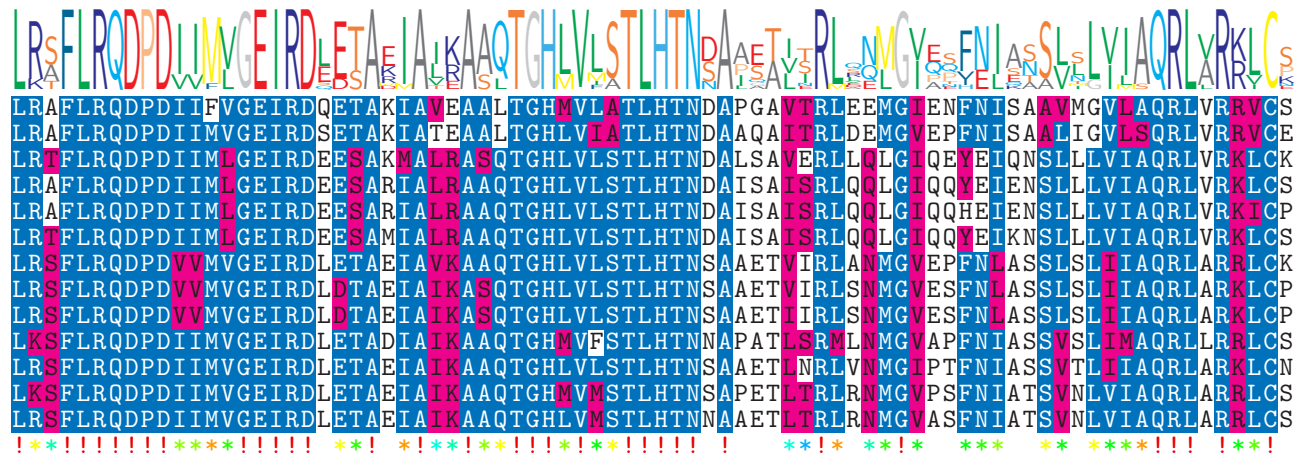
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 71042 K6J68 RS03600 WP 105197617.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 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 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



699
702
313
321
318
318
378
378
378
369
387
382
382

logo

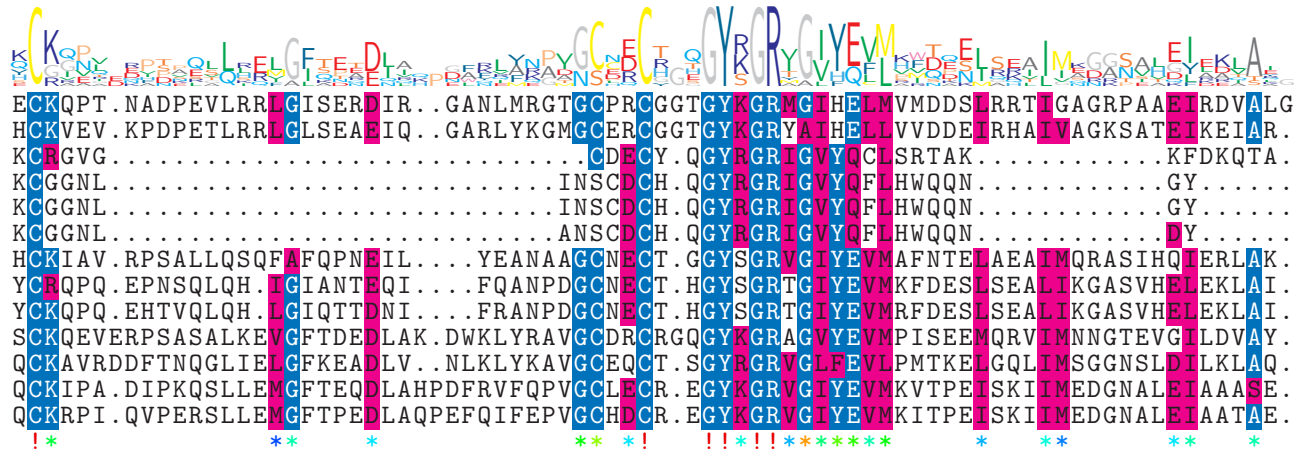
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 71042 K6J68 RS03600 WP 105197617.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 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 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



779
782
393
401
398
398
458
458
458
449
467
462
462

logo

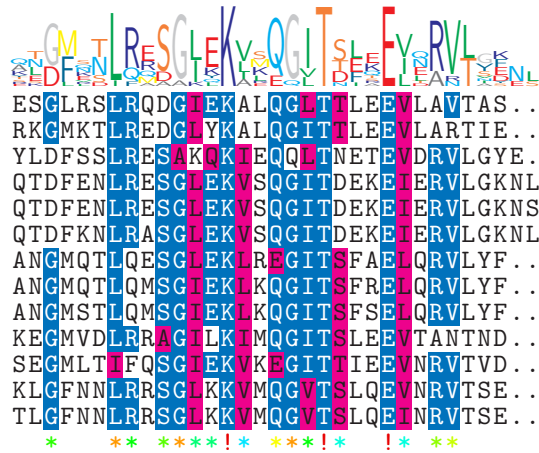
NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 71042 K6J68 RS03600 WP 105197617.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI 0298 AAC21962.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 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 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



856
858
429
434
431
431
531
530
530
527
543
539
539

logo

NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
 NTDB id 71042 K6J68 RS03600 WP 105197617.1
 NTDB id 1366 NTHI RS01950 WP 011271972.1
 NTDB id 1355 HI 0298 AAC21962.1
 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 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



887
889
461
467
464
464
562
561
561
558
574
570
570

 non conserved
 similar
 $\geq 50\%$ conserved