

logo

| NTDB id   | Accession                      | Sequence                                                                         | Length |
|-----------|--------------------------------|----------------------------------------------------------------------------------|--------|
| 1028      | TT RS08215 WP 011173991.1      | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVK | 80     |
| 1306      | DR RS10060 WP 027479822.1      | .MALSIGDRRLGAILLDQGYLGNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL  | 79     |
| 1168      | A1552VC RS11070 WP 000957200.1 | .....                                                                            | 0      |
| 1401      | DSB67 RS12665 WP 010643259.1   | .....                                                                            | 0      |
| 1293      | VP RS12240 WP 005479695.1      | .....                                                                            | 0      |
| 1251      | GC085 RS07725 WP 011946523.1   | .....                                                                            | 0      |
| 1110      | NGFG RS09235 WP 003689817.1    | .....                                                                            | 0      |
| 106702    | ACAM53 RS20785 WP 145740448.1  | .....                                                                            | 0      |
| 1058      | ABD1 RS01615 WP 001274986.1    | .....                                                                            | 0      |
| 1018      | ACIAD RS01685 WP 004920473.1   | .....                                                                            | 0      |
| consensus |                                |                                                                                  |        |

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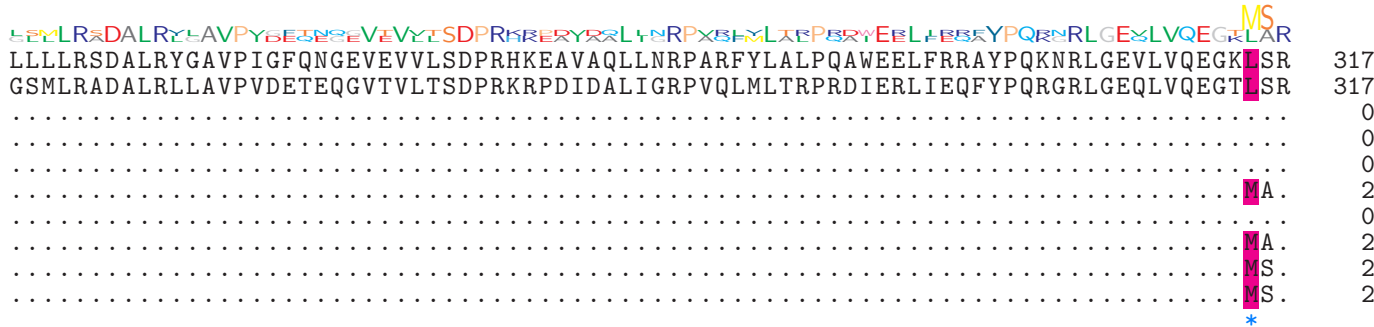
| NTDB id        | Accession                      | Sequence                                                                           | Length |
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| NTDB id 1028   | TT RS08215 WP 011173991.1      | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P   | 158    |
| NTDB id 1306   | DR RS10060 WP 027479822.1      | RSIRPQTALNLQAFPPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA | 157    |
| 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 1251   | GCO85 RS07725 WP 011946523.1   | .....                                                                              | 0      |
| NTDB id 1110   | NGFG RS09235 WP 003689817.1    | .....                                                                              | 0      |
| NTDB id 106702 | ACAM53 RS20785 WP 145740448.1  | .....                                                                              | 0      |
| NTDB id 1058   | ABD1 RS01615 WP 001274986.1    | .....                                                                              | 0      |
| NTDB id 1018   | ACIAD RS01685 WP 004920473.1   | .....                                                                              | 0      |
| consensus      |                                |                                                                                    |        |

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|                |            |                        |                                                                                 |     |
|----------------|------------|------------------------|---------------------------------------------------------------------------------|-----|
| NTDB id 1028   | TT RS08215 | WP 011173991.1         | SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA | 237 |
| NTDB id 1306   | DR RS10060 | WP 027479822.1         | SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFGHPGEEVL | 237 |
| 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 1251   | GCO85      | RS07725 WP 011946523.1 | .....                                                                           | 0   |
| NTDB id 1110   | NGFG       | RS09235 WP 003689817.1 | .....                                                                           | 0   |
| NTDB id 106702 | ACAM53     | RS20785 WP 145740448.1 | .....                                                                           | 0   |
| NTDB id 1058   | ABD1       | RS01615 WP 001274986.1 | .....                                                                           | 0   |
| NTDB id 1018   | ACIAD      | RS01685 WP 004920473.1 | .....                                                                           | 0   |
| consensus      |            |                        |                                                                                 |     |

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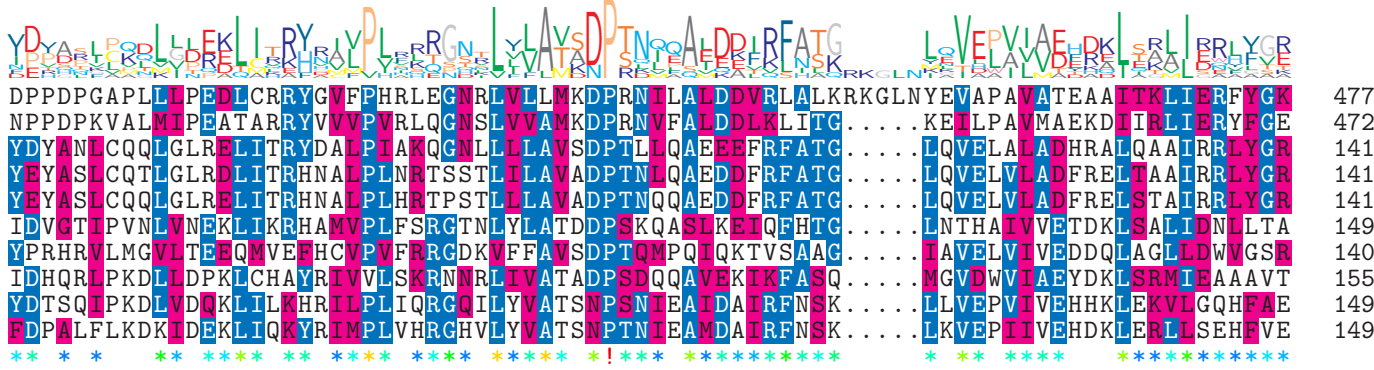
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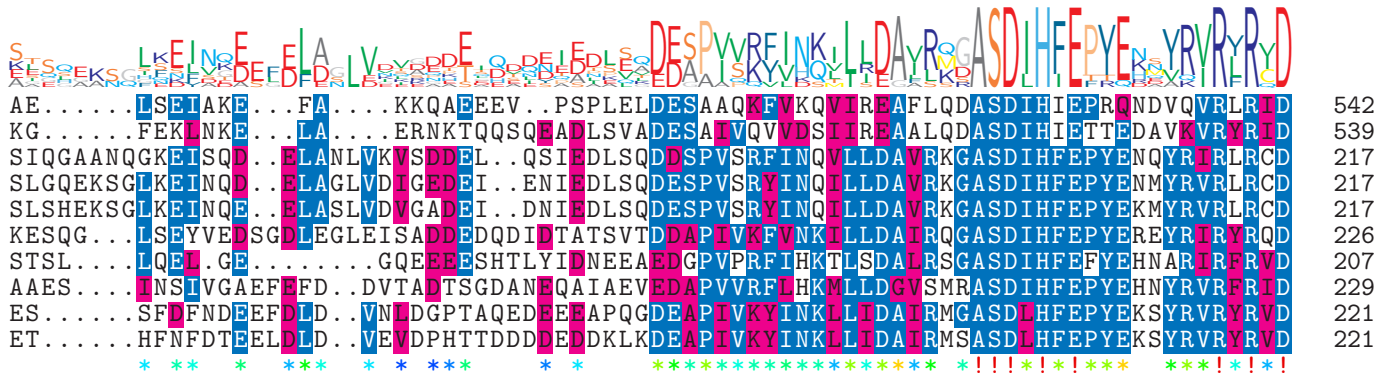
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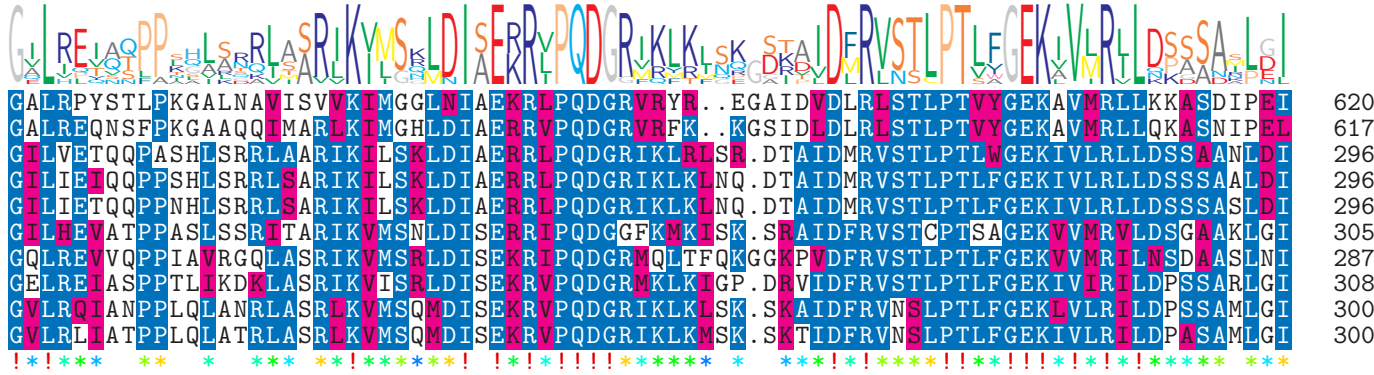
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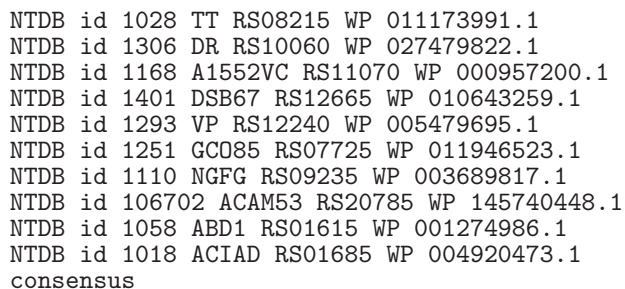
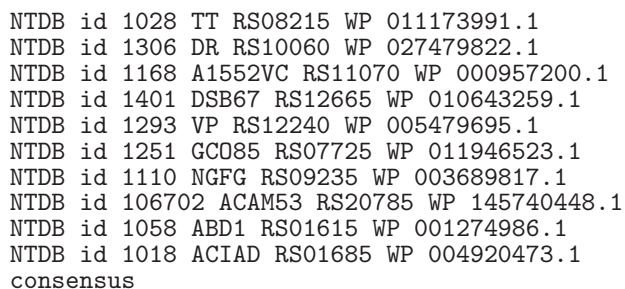
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consensus

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-  non conserved
-  similar
-  >50% conserved