

logo

|                                              |                                                                                   |    |
|----------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | MSXLEITCDERLGAALLDAGYLDRSLQRALERHREVGGSLAEVLYDSQYSEERLIASTIESEFGIPLVQLHVEVSPXXK   | 0  |
| NTDB id 1227 CJJ81176 RS07050 WP 011812800.1 | .....                                                                             | 0  |
| NTDB id 1028 TT RS08215 WP 011173991.1       | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV  | 80 |
| NTDB id 1306 DR RS10060 WP 027479822.1       | .MALSIGDRRLGAILLDQGYLGDNLDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL | 79 |
| NTDB id 1355 HI 0298 AAC21962.1              | .....                                                                             | 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                                    |                                                                                   |    |

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|----------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | SEYFKKELAKELRAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P | 0   |
| NTDB id 1227 CJJ81176 RS07050 WP 011812800.1 | .....                                                                             | 0   |
| NTDB id 1028 TT RS08215 WP 011173991.1       | ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P  | 158 |
| NTDB id 1306 DR RS10060 WP 027479822.1       | RSIRPQTALNLQAFPPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA | 157 |
| NTDB id 1355 HI 0298 AAC21962.1              | .....                                                                             | 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                                    |                                                                                   |     |

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|----------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | SsRGStsHKLCEtLYzHGYIzBxLxALxQxTCsALGxTLySsRxYtEsxLYxLAEQsGtFLEstEGxMPsEExx       | 0   |
| NTDB id 1227 CJJ81176 RS07050 WP 011812800.1 | .....                                                                            | 0   |
| NTDB id 1028 TT RS08215 WP 011173991.1       | SGEGQKDLKLGELLQKQGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVDPDSAA | 237 |
| NTDB id 1306 DR RS10060 WP 027479822.1       | SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL   | 237 |
| NTDB id 1355 HI 0298 AAC21962.1              | .....                                                                            | 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                                    |                                                                                  |     |

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|                                              |                                                                                   |     |
|----------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | .....                                                                             | 0   |
| NTDB id 1227 CJJ81176 RS07050 WP 011812800.1 | .....MTS                                                                          | 3   |
| NTDB id 1028 TT RS08215 WP 011173991.1       | LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR  | 317 |
| NTDB id 1306 DR RS10060 WP 027479822.1       | GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGLGEQLVQEGTLSR | 317 |
| NTDB id 1355 HI 0298 AAC21962.1              | .....                                                                             | 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                                    |                                                                                   |     |

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

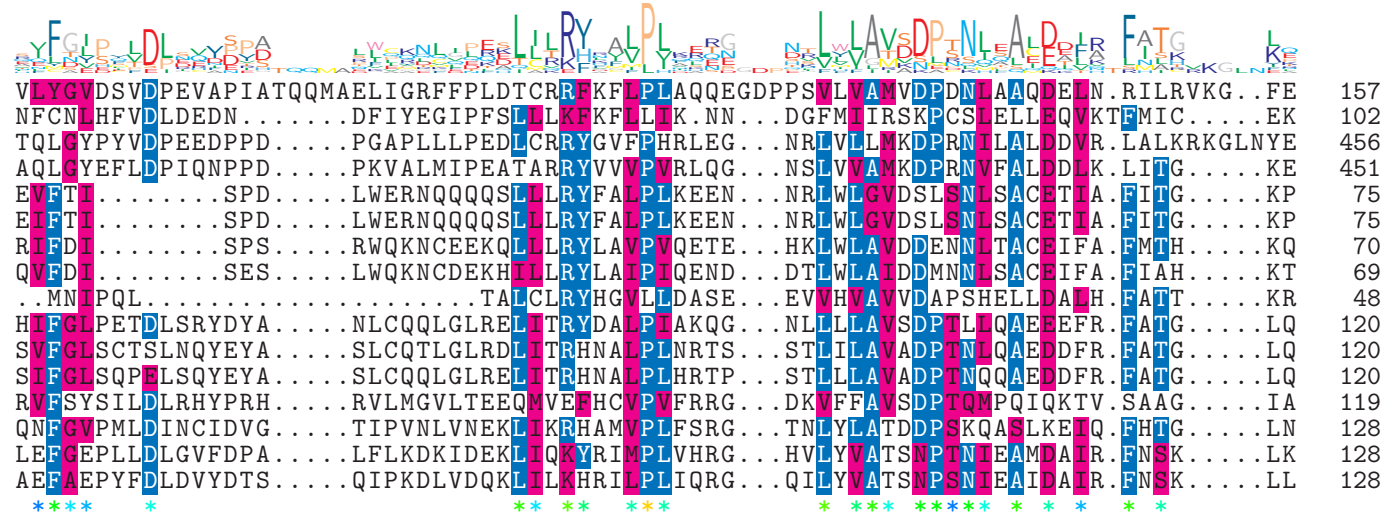
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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

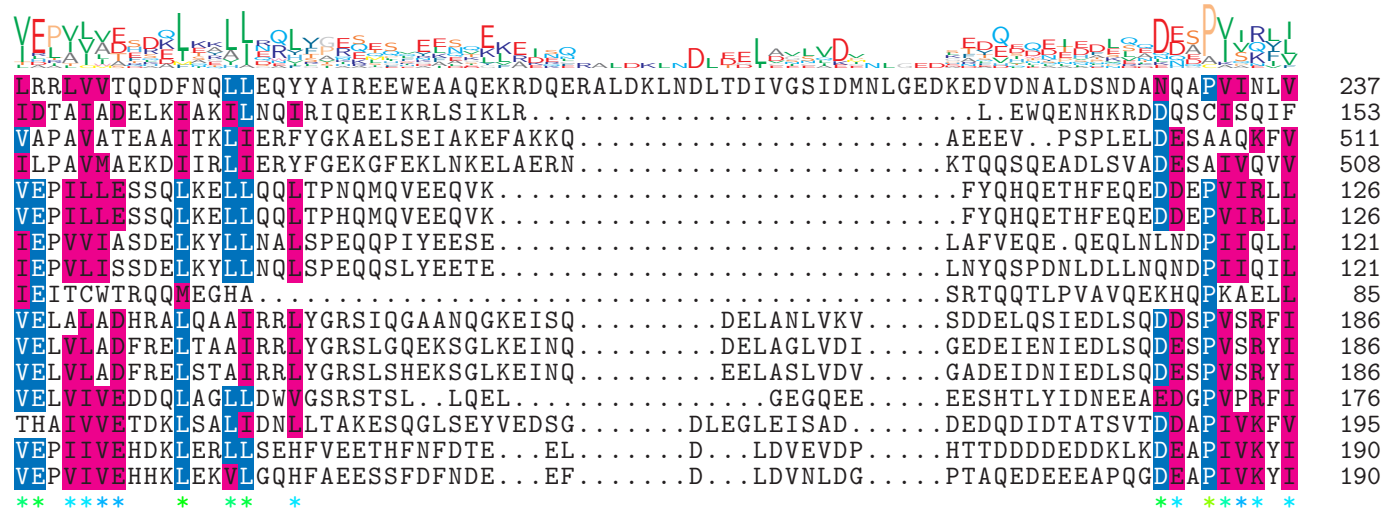
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

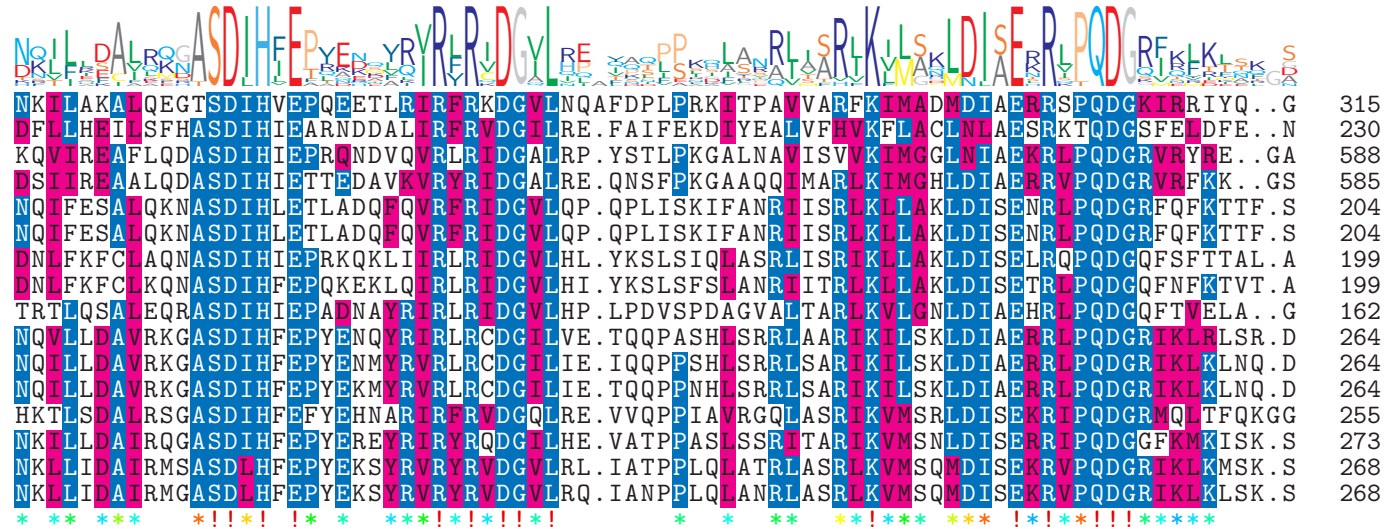
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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
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consensus

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NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
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NTDB id 1306 DR RS10060 WP 027479822.1
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consensus

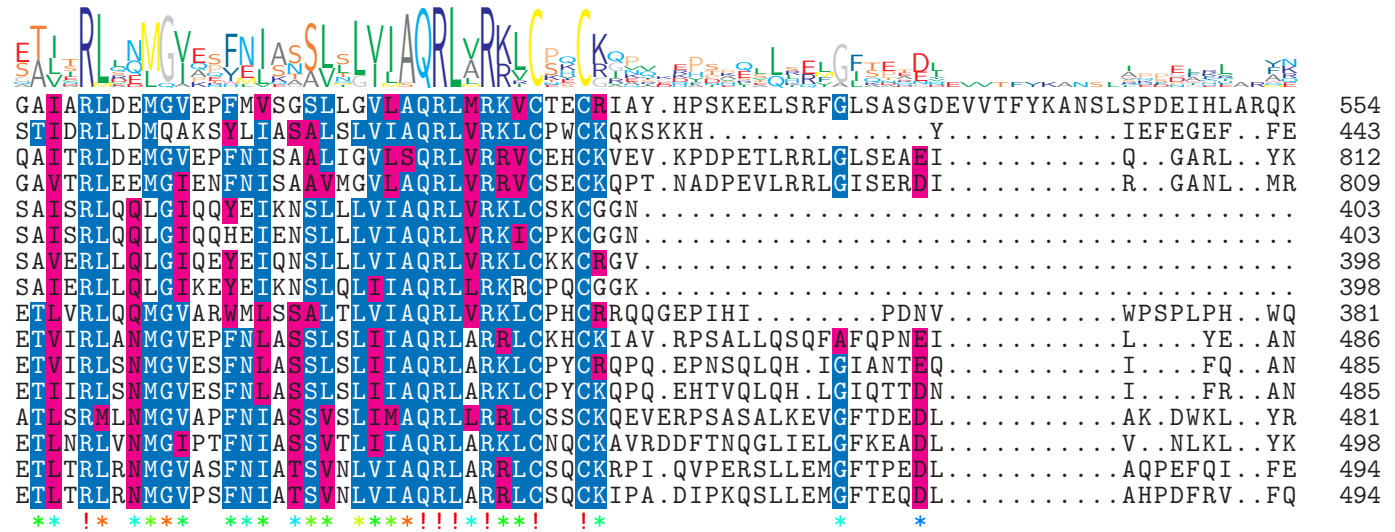
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NTDB id 1306 DR RS10060 WP 027479822.1
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

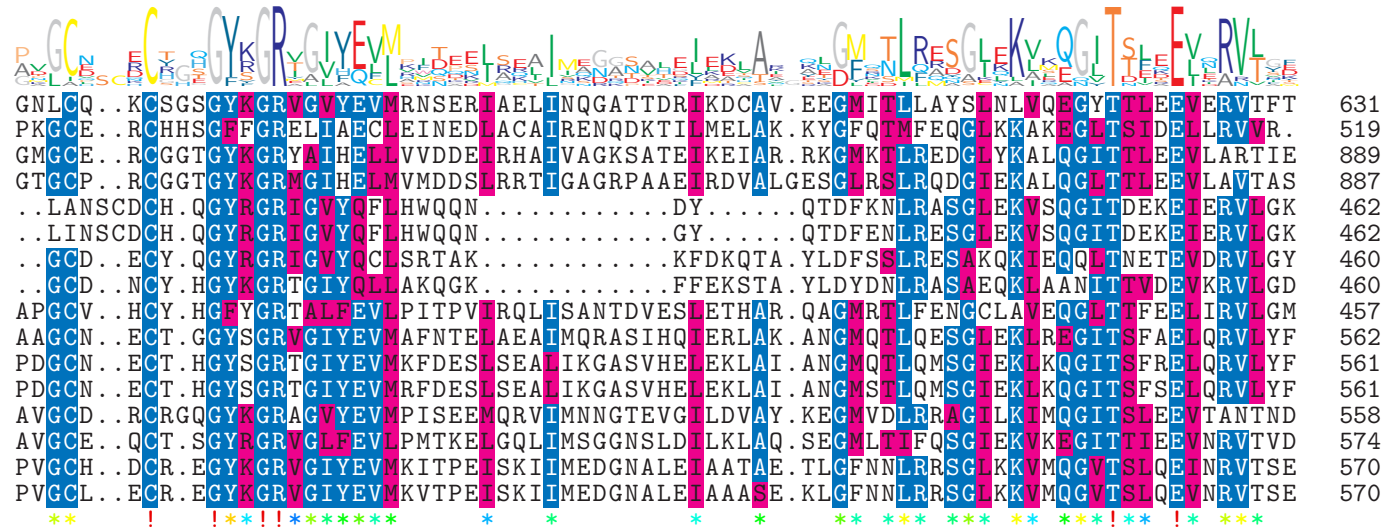
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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
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NTDB id 1306 DR RS10060 WP 027479822.1
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consensus

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|----------------------------------------------|--------------------------------------------|-----|
| NTDB id 1410 SGL RS13950 WP 010873519.1      | DTGLESEMRAKRKSALTTCRTCAAELQQEWLDCPYCMTSRFS | 672 |
| NTDB id 1227 CJJ81176 RS07050 WP 011812800.1 | .....                                      | 519 |
| NTDB id 1028 TT RS08215 WP 011173991.1       | .....                                      | 889 |
| NTDB id 1306 DR RS10060 WP 027479822.1       | .....                                      | 887 |
| NTDB id 1355 HI 0298 AAC21962.1              | NL.....                                    | 464 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1     | NS.....                                    | 464 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1    | E.....                                     | 461 |
| NTDB id 1468 ASU2 RS05090 WP 014991734.1     | G.....                                     | 461 |
| NTDB id 1436 BW25113 RS00530 WP 001025145.1  | PHGE.....                                  | 461 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1  | .....                                      | 562 |
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| NTDB id 1110 NGFG RS09235 WP 003689817.1     | .....                                      | 558 |
| 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                                    |                                            |     |

-  non conserved
-  similar
-  ≥ 50% conserved