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|-----------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1251 GC085 RS07725 WP 011946523.1     | MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAQAQNFQVPMLEINCLDVGTI | 80 |
| NTDB id 1177 A1552VC RS01165 WP 000422572.1   | .....                                                                             | 0  |
| NTDB id 1203 PSJM300 01605 AFN76401.1         | .....                                                                             | 0  |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1     | .....                                                                             | 0  |
| NTDB id 1010795 ABRP08 RS04065 WP 001326494.1 | .....                                                                             | 0  |
| NTDB id 1307 DR RS10055 WP 010888596.1        | .....                                                                             | 0  |
| NTDB id 1086 NMV RS00245 WP 002218487.1       | .....                                                                             | 0  |
| NTDB id 1116 NGFG RS10615 WP 003690200.1      | .....                                                                             | 0  |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1     | .....                                                                             | 0  |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1   | .....                                                                             | 0  |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1    | .....                                                                             | 0  |
| NTDB id 1259 GC085 RS10305 WP 010947729.1     | .....                                                                             | 0  |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1     | .....                                                                             | 0  |
| NTDB id 1202 PSJM300 01600 AFN76400.1         | .....                                                                             | 0  |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1     | .....                                                                             | 0  |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1     | .....                                                                             | 0  |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1      | .....                                                                             | 0  |
| NTDB id 1040 HON27 RS13360 WP 000355489.1     | .....                                                                             | 0  |
| consensus                                     |                                                                                   |    |

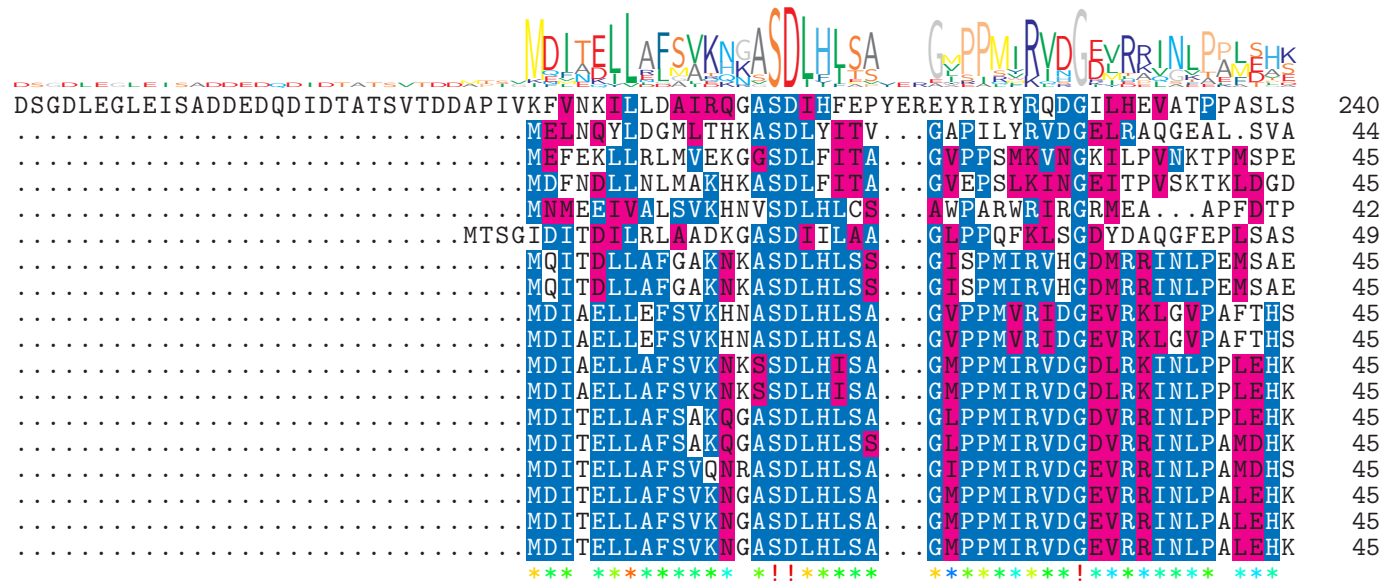
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| NTDB id 1251 GC085 RS07725 WP 011946523.1     | PVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE | 160 |
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| NTDB id 1010795 ABRP08 RS04065 WP 001326494.1 | .....                                                                             | 0   |
| NTDB id 1307 DR RS10055 WP 010888596.1        | .....                                                                             | 0   |
| NTDB id 1086 NMV RS00245 WP 002218487.1       | .....                                                                             | 0   |
| NTDB id 1116 NGFG RS10615 WP 003690200.1      | .....                                                                             | 0   |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1     | .....                                                                             | 0   |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1   | .....                                                                             | 0   |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1    | .....                                                                             | 0   |
| NTDB id 1259 GC085 RS10305 WP 010947729.1     | .....                                                                             | 0   |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1     | .....                                                                             | 0   |
| NTDB id 1202 PSJM300 01600 AFN76400.1         | .....                                                                             | 0   |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1     | .....                                                                             | 0   |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1     | .....                                                                             | 0   |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1      | .....                                                                             | 0   |
| NTDB id 1040 HON27 RS13360 WP 000355489.1     | .....                                                                             | 0   |
| consensus                                     |                                                                                   |     |

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NTDB id 1060 ABD1 RS04380 WP 000355489.1  
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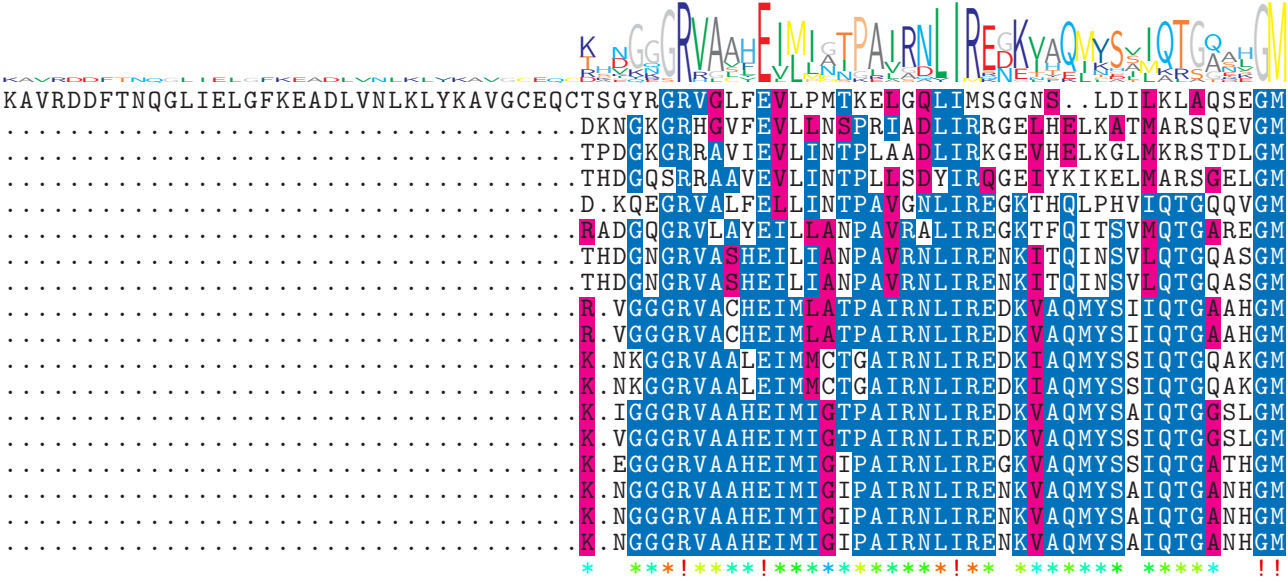
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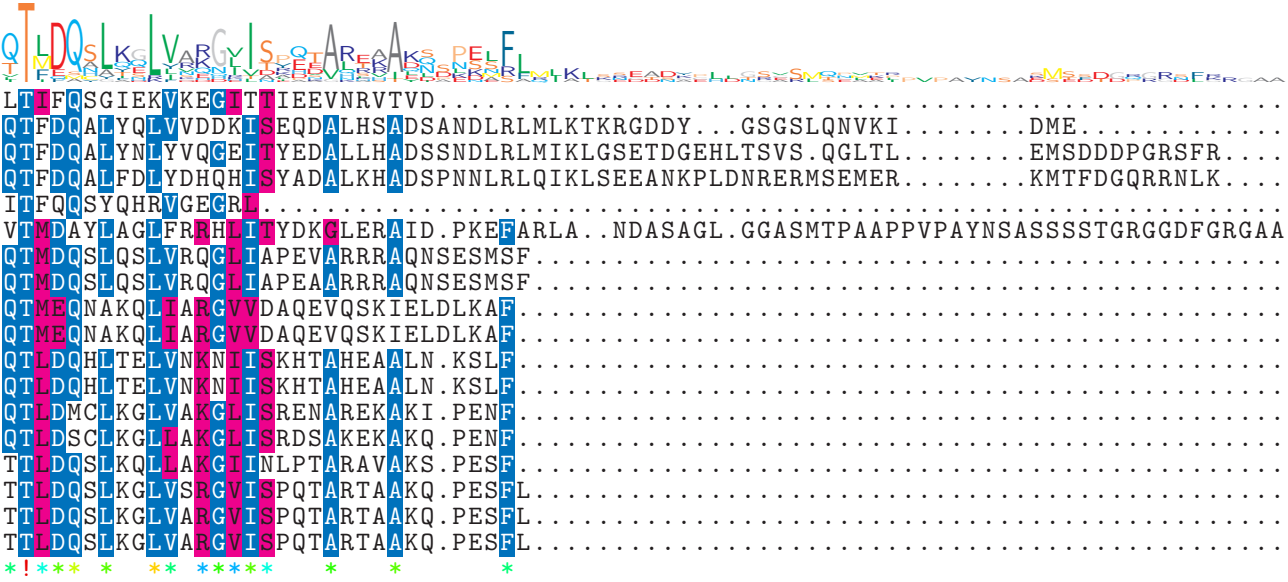
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|-----------|----|---------|---------|---------|------------|-------------|
| NTDB      | id | 1251    | GC085   | RS07725 | WP         | 011946523.1 |
| NTDB      | id | 1177    | A1552VC | RS01165 | WP         | 000422572.1 |
| NTDB      | id | 1203    | PSJM300 | 01605   | AFN76401.1 |             |
| NTDB      | id | 1019    | ACIAD   | RS04205 | WP         | 004922051.1 |
| NTDB      | id | 1010795 | ABRP08  | RS04065 | WP         | 001326494.1 |
| NTDB      | id | 1307    | DR      | RS10055 | WP         | 010888596.1 |
| NTDB      | id | 1086    | NMV     | RS00245 | WP         | 002218487.1 |
| NTDB      | id | 1116    | NGFG    | RS10615 | WP         | 003690200.1 |
| NTDB      | id | 1185    | GTF74   | RS11940 | WP         | 000350195.1 |
| NTDB      | id | 1176    | A1552VC | RS01160 | WP         | 000350195.1 |
| NTDB      | id | 1283    | ACE17W  | RS02630 | WP         | 010947729.1 |
| NTDB      | id | 1259    | GC085   | RS10305 | WP         | 010947729.1 |
| NTDB      | id | 1194    | PAKAF   | RS01995 | WP         | 003084552.1 |
| NTDB      | id | 1202    | PSJM300 | 01600   | AFN76400.1 |             |
| NTDB      | id | 1020    | ACIAD   | RS04210 | WP         | 011182164.1 |
| NTDB      | id | 1081    | FDQ49   | RS05335 | WP         | 006581387.1 |
| NTDB      | id | 1060    | ABD1    | RS04380 | WP         | 000355489.1 |
| NTDB      | id | 1040    | HON27   | RS13360 | WP         | 000355489.1 |
| consensus |    |         |         |         |            |             |



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|-----------|----|---------|---------|---------|------------|-------------|
| NTDB      | id | 1251    | GC085   | RS07725 | WP         | 011946523.1 |
| NTDB      | id | 1177    | A1552VC | RS01165 | WP         | 000422572.1 |
| NTDB      | id | 1203    | PSJM300 | 01605   | AFN76401.1 |             |
| NTDB      | id | 1019    | ACIAD   | RS04205 | WP         | 004922051.1 |
| NTDB      | id | 1010795 | ABRP08  | RS04065 | WP         | 001326494.1 |
| NTDB      | id | 1307    | DR      | RS10055 | WP         | 010888596.1 |
| NTDB      | id | 1086    | NMV     | RS00245 | WP         | 002218487.1 |
| NTDB      | id | 1116    | NGFG    | RS10615 | WP         | 003690200.1 |
| NTDB      | id | 1185    | GTF74   | RS11940 | WP         | 000350195.1 |
| NTDB      | id | 1176    | A1552VC | RS01160 | WP         | 000350195.1 |
| NTDB      | id | 1283    | ACE17W  | RS02630 | WP         | 010947729.1 |
| NTDB      | id | 1259    | GC085   | RS10305 | WP         | 010947729.1 |
| NTDB      | id | 1194    | PAKAF   | RS01995 | WP         | 003084552.1 |
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| NTDB      | id | 1081    | FDQ49   | RS05335 | WP         | 006581387.1 |
| NTDB      | id | 1060    | ABD1    | RS04380 | WP         | 000355489.1 |
| NTDB      | id | 1040    | HON27   | RS13360 | WP         | 000355489.1 |
| consensus |    |         |         |         |            |             |



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|-----------------------------------------------|-------------------------|-----|
| NTDB id 1251 GC085 RS07725 WP 011946523.1     | .....                   | 574 |
| NTDB id 1177 A1552VC RS01165 WP 000422572.1   | .....                   | 368 |
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| NTDB id 1283 ACE17W RS02630 WP 010947729.1    | .....                   | 344 |
| NTDB id 1259 GC085 RS10305 WP 010947729.1     | .....                   | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1     | .....                   | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1         | .....                   | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1     | .....                   | 344 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1     | .....                   | 345 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1      | .....                   | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1     | .....                   | 345 |
| consensus                                     |                         |     |

-  non conserved
-  similar
-  ≥50% conserved