

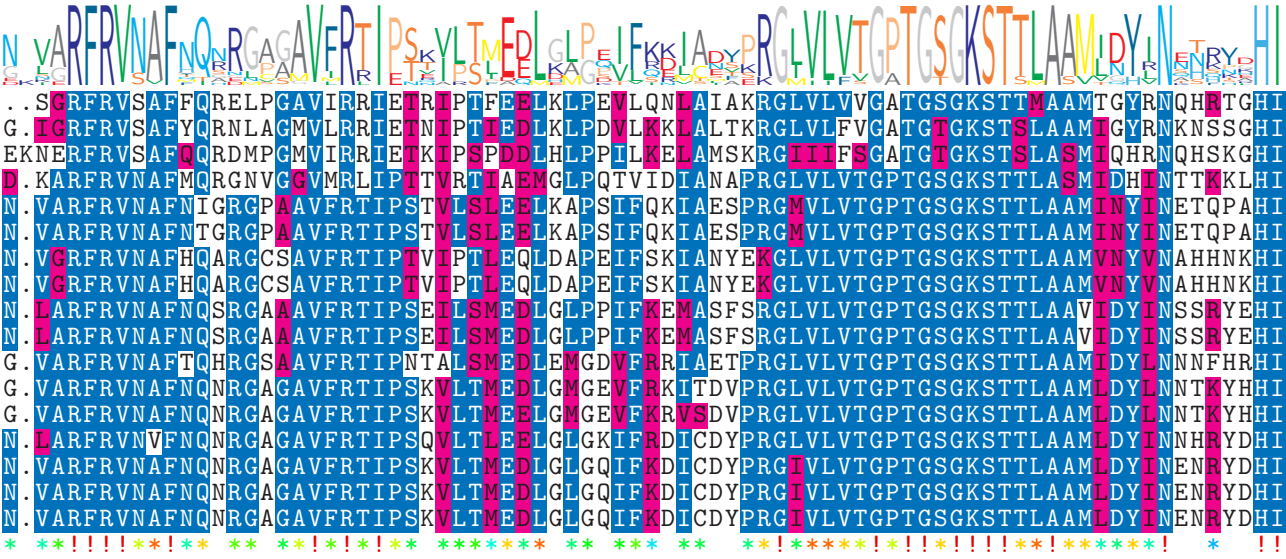
logo

|           |    |         |         |         |            |             |
|-----------|----|---------|---------|---------|------------|-------------|
| 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 | 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    | GCO85   | RS10305 | WP         | 010947729.1 |
| NTDB      | id | 1043448 | P6F15   | RS00360 | WP         | 053103278.1 |
| NTDB      | id | 1202    | PSJM300 | 01600   | AFN76400.1 |             |
| NTDB      | id | 1194    | PAKAF   | RS01995 | WP         | 003084552.1 |
| 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 |    |         |         |         |            |             |



logo

|           |    |         |         |         |            |             |
|-----------|----|---------|---------|---------|------------|-------------|
| 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 | 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    | GCO85   | RS10305 | WP         | 010947729.1 |
| NTDB      | id | 1043448 | P6F15   | RS00360 | WP         | 053103278.1 |
| NTDB      | id | 1202    | PSJM300 | 01600   | AFN76400.1 |             |
| NTDB      | id | 1194    | PAKAF   | RS01995 | WP         | 003084552.1 |
| 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 |    |         |         |         |            |             |





logo

|                                              |                                                                                 |                                              |     |
|----------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1  | TFDQALYQLVDDKISEQDALHSA                                                         | DSANDLRLMLKTKRGDDY...GSGSLQNVKI.....DME..... | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1        | TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR.....   |                                              | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1    | TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRRERMSEMER.....KMTFDGQRRNLK.....  |                                              | 383 |
| NTDB id 1307 DR RS10055 WP 010888596.1       | TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGL....GGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAA |                                              | 395 |
| NTDB id 1086 NMV RS00245 WP 002218487.1      | TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....                                           |                                              | 347 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1     | TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....                                           |                                              | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1    | TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....                                            |                                              | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1  | TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....                                            |                                              | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1   | TLDQHLTELVNKNIISKHTAHEAALNKSLF.....                                             |                                              | 344 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1    | TLDQHLTELVNKNIISKHTAHEAALNKSLF.....                                             |                                              | 344 |
| NTDB id 1043448 P6F15 RS00360 WP 053103278.1 | TLDRSLHELVSRLISTERAREKAKTPTNF.....                                              |                                              | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1        | TLDSCCLKGLIAKGLISRDSAKEKAKQPENF.....                                            |                                              | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1    | TLDMCLKGLVAKGLISRENAREKAKIPENF.....                                             |                                              | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1    | TLDQSLKQLIAKGLIINLPTARAVAKSPESF.....                                            |                                              | 344 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1    | TLDQSLKGLVSRGVISPQTARTAAKQPESFL.....                                            |                                              | 345 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1     | TLDQSLKGLVARGVISPQTARTAAKQPESFL.....                                            |                                              | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1    | TLDQSLKGLVARGVISPQTARTAAKQPESFL.....                                            |                                              | 345 |
| consensus                                    | !*** * !* **** * *                                                              |                                              |     |

logo

|                                              |                        |     |
|----------------------------------------------|------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1  | PATPAAPAAGRSEPGRAGGFRR | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1        | .....                  | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1    | .....                  | 383 |
| NTDB id 1307 DR RS10055 WP 010888596.1       | PATPAAPAAGRSEPGRAGGFRR | 418 |
| NTDB id 1086 NMV RS00245 WP 002218487.1      | .....                  | 347 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1     | .....                  | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1    | .....                  | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1  | .....                  | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1   | .....                  | 344 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1    | .....                  | 344 |
| NTDB id 1043448 P6F15 RS00360 WP 053103278.1 | .....                  | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1        | .....                  | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1    | .....                  | 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