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|                                             |                                                                                |     |
|---------------------------------------------|--------------------------------------------------------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKR.GDDY...GSGSLQNVKI.....DME.....           | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSE.TDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....  | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSE.EANKPLDNRRERMSEMER.....KMTFDGQRRNLK.... | 383 |
| NTDB id 1448 BW25113 RS15320 WP 001326494.1 | TFQQSYQHRVGEGRLL.....                                                          | 326 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA | 394 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSEF.....                                        | 347 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSEF.....                                        | 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  | TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....                                           | 344 |
| NTDB id 1259 GC085 RS10305 WP 010947729.1   | TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....                                           | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....                                           | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....                                           | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1   | TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....                                           | 344 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1    | TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....                                           | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....                                           | 345 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....                                           | 345 |
| consensus                                   | !*** * ** ***** * *                                                            |     |

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|---------------------------------------------|----------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | APATPAAPAAAGRSEPCGRAGGFCRR | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | .....                      | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | .....                      | 383 |
| NTDB id 1448 BW25113 RS15320 WP 001326494.1 | .....                      | 326 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | APATPAAPAAAGRSEPCGRAGGFCRR | 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 GC085 RS10305 WP 010947729.1   | .....                      | 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 1060 ABD1 RS04380 WP 000355489.1    | .....                      | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | .....                      | 345 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | .....                      | 345 |
| consensus                                   |                            |     |

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved