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|---------------------------------------------|--------------------------------------------------------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDYGGSLQ...NVKIDME.....                  | 368 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMERKMTFD.....GQRRNLK.....  | 383 |
| NTDB id 80082 LW89 RS11270 WP 001055655.1   | TFAQSAQWRQAQGR.....                                                            | 326 |
| NTDB id 1448 BW25113 RS15320 WP 001326494.1 | TFQQSYQHRVGEGR.....                                                            | 326 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | TMDAYLAGLFRHLITYDKGLERAID.PKEFARL..ANDASAGLGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAP | 396 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | TMDQSLQSLVRQGIIAPEVARRRAQNSEMSF.....                                           | 347 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | TMDQSLQSLVRQGIIAPEAARRRAQNSEMSF.....                                           | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1   | TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....                                            | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....                                            | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1  | TLDQHLTELNVNKNIIISKHTAHEAALN.KSLF.....                                         | 344 |
| NTDB id 1259 GC085 RS10305 WP 010947729.1   | TLDQHLTELNVNKNIIISKHTAHEAALN.KSLF.....                                         | 344 |
| NTDB id 1194 PA0395 NP 249086.1             | TLDMCLKGLVAKGLISRENAREKAKI.PENF.....                                           | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | TLDSCCLKGLIAGLISRDSAKEKAKQ.PENF.....                                           | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1   | TLDQSLKQLLAKGIINLPTARAVAKS.PESF.....                                           | 344 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1    | TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....                                          | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....                                          | 345 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | TLDQSLKGLVSRGVISPQTARTAAKQ.PESFL.....                                          | 345 |
| consensus                                   | !*** * ** ***** * *                                                            |     |

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|---------------------------------------------|------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | ATPAAPAAAGRSEPGRAGGFGR | 368 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | .....                  | 383 |
| NTDB id 80082 LW89 RS11270 WP 001055655.1   | .....                  | 326 |
| NTDB id 1448 BW25113 RS15320 WP 001326494.1 | .....                  | 326 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | ATPAAPAAAGRSEPGRAGGFGR | 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 1194 PA0395 NP 249086.1             | .....                  | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | .....                  | 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                                   |                        |     |

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved