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|---|--|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI.....DME.....              | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR.....    | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | TFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.....KMTFDGQRRNLK.....     | 383 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | TMDAYLAGLFRHLITYDKGLERAIDPKE.FARLANDASAG...LGGASMTPAAPPVPAYNASASSSSTGRGGDFGRGAAA | 395 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | TMDQSLQSLVLRQGLIAPAAARRRAQNSESMSF.....   | 347 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | TMDQSLQSLVLRQGLIAPAAARRRAQNSESMSF.....   | 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 232244 CCX87 RS02005 WP 087748127.1 | TLDQNLTDLVRNIIISPAEARSKAKIP.ENFPG.....   | 347 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | TLDMCLKGLVAKGLISRENAREKAKIP.ENF.....   | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | TLDSCLKGLIAGGLISRDSAKEKAKQP.ENF.....   | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1   | TLDQSLKQLLAKGIINLPTARAVAKSP.ESF.....   | 344 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....  | 345 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1    | TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....  | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....  | 345 |
| consensus                                   | !*** * !* ***** * * * *  |     |



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|---|------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | .....PATPAAPAAGRSEPCRRACCFRR | 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      | PATPAAPAAGRSEPCRRACCFRR      | 418 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | .....                        | 347 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | .....                        | 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 232244 CCX87 RS02005 WP 087748127.1 | .....                        | 347 |
| 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                                   | .....                        |     |

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