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|---|---|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | QTFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKIDM.....E.....              | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | QTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTLEM.....SDDDPGRSFR....     | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | QTFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLSEEANKPLDNRRERMSEMERKM.....TFDQRRNLK....      | 383 |
| NTDB id 153560 AKJ08 RS03375 WP 050724765.1 | QTFNQSLFGLLQKRLITVDEAMSRSSSEPDELRLNMLTGSA.....PARPMAR.....                        | 362 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | VTMDAYLAGLFRRHLLITYDKGLERAIDPKEFARLANDASAGLG...GASMTPAAPPVVPAYNSASSSSTGRGGDFGRGAA | 394 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | QTMDDQSLQSLVRQGLIAPEAARRRAQNSSEMSF.....   | 347 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | QTMDDQSLQSLVRQGLIAPEVARRRAQNSSEMSF.....   | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1   | QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....   | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....   | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1  | QTLDQHLTELVNKNIISKHTAHEAALNK.SLF.....   | 344 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1   | QTLDQHLTELVNKNIISKHTAHEAALNK.SLF.....   | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | QTLDSCLKGLLAKGLISRDSAKEKAKQP.ENF.....   | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | QTLDMCLKGLVAKGLISRARENAREKAKIP.ENF.....   | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1   | TTLDQSLKQLLAKGIINLPTARAVAKSP.ESF.....   | 344 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1    | TTLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....  | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | TTLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....  | 345 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | TTLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....  | 345 |
| consensus                                   | *!*** * !* ***** * *  |     |

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|---|---------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | APATPAAPAAAGRSEPCRACCFGRR | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | .....                     | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | .....                     | 383 |
| NTDB id 153560 AKJ08 RS03375 WP 050724765.1 | .....                     | 362 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | APATPAAPAAAGRSEPCRACCFGRR | 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 GCO85 RS10305 WP 010947729.1   | .....                     | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | .....                     | 344 |
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| 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