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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 348191 B7D45 RS04230 WP 002916609.1 | TFTQSFQCCVAAGAL.....                                                              | 326 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | TMDAYLAGLFRHLITYDKGLERAIDPKFEFARLANDASAGLGG.....ASMTPAAPPVVPAYNSASSSSTGRGGDFGRGAA | 394 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | TMDQSLQSLVVRQGLIAPEVARRRAQNSESMSEF.....                                           | 347 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | TMDQSLQSLVVRQGLIAPEAARRRAQNSESMSEF.....                                           | 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       | TLDSCLKGLLAKGLISRDSAKEKAKQP.ENF.....                                              | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | TLDMCLKGLVAKGLISRREAREKAKIP.ENF.....                                              | 344 |
| NTDB id 1020 ACIAD RS04210 WP 01182164.1    | TLDQSLKQLLAKGIINLPTARAVAKSP.ESEF.....                                             | 344 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1    | TLDQSLKGLVARGVISPQTARTAAKQP.ESEFL.....                                            | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | TLDQSLKGLVARGVISPQTARTAAKQP.ESEFL.....                                            | 345 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | TLDQSLKGLVSRGVISPQTARTAAKQP.ESEFL.....                                            | 345 |
| consensus                                   | !*** * ** ***** * *                                                               |     |

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|---------------------------------------------|-------------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | .....APATPAAPAAAGRSEPCRRACCFRR..... | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | .....                               | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | .....                               | 383 |
| NTDB id 348191 B7D45 RS04230 WP 002916609.1 | .....                               | 326 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | APATPAAPAAAGRSEPCRRACCFRR.....      | 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 01182164.1    | .....                               | 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