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|---|---|-----|
| NTDB id 42776 HJ37 RS13380 WP 000422572.1   | TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI.....DME.....             | 368 |
| 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   | TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNREREMSEMER.....KMTFDGQRRNLK.....  | 383 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | TMDAYLAGLFRHLITYDKGLERAID.PKEFARLA..NDASAGL.GGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAA | 395 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | TMDQSLQSLVVRQGLIAPPEARRAQNSESMSF.....   | 347 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | TMDQSLQSLVVRQGLIAPPEARRAQNSESMSF.....   | 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  | TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....  | 344 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1   | TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....  | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | TLDMCLKGLVAKGLISRENAREKAKI.PENF.....  | 344 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | TLDSCLKGLIAGGLISRDSAKEKAKQ.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 42776 HJ37 RS13380 WP 000422572.1   | PATPAAPAAGRSEPCRACCFGR | 368 |
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | .....                  | 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      | PATPAAPAAGRSEPCRACCFGR | 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 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 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