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|--|--|--|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1  | TFDQALYQLVDDKISEQDALHSA  | DSANDLRLMLKTKRGDDY...GSGSLQNVKI.....DME..... | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1        | TFDQALYNLYVQCEITIEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR.....    | 381  |     |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1    | TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRRERMSEMER.....KMTFDGQRRNLK.....   | 383  |     |
| NTDB id 1307 DR RS10055 WP 010888596.1       | TMDAYLAGLFRHLITIDYDKGLERAID.PKEFARLA..NDASAGL.GGASMPAAPPVPAVNSASSSSTGRGGDFGRGAAA | 395  |     |
| NTDB id 1086 NMV RS00245 WP 002218487.1      | TMDQSLQSLVRQGLIAPVARRRAQNSSESMSF.....  | 347  |     |
| NTDB id 1116 NGFG RS10615 WP 003690200.1     | TMDQSLQSLVRQGLIAPVARRRAQNSSESMSF.....  | 347  |     |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1    | TMEQNAKQLIARGVVDVDAQEVQSKIELDLKAF.....   | 345  |     |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1  | TMEQNAKQLIARGVVDVDAQEVQSKIELDLKAF.....   | 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 110564 ACAM36 RS02135 WP 003084552.1 | TLDMCLKGLVAKGLISRAREKAKI.PENF.....   | 344  |     |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1    | TLDMCLKGLVAKGLISRAREKAKI.PENF.....   | 344  |     |
| NTDB id 1202 PSJM300 01600 AFN76400.1        | TLDSCLKGLIAKGLISRDSAKEKAKQ.PENF.....   | 344  |     |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1    | TLDQSLKQLIAKGLIINLPTARAVAKS.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    | TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....  | 345  |     |
| consensus                                    | !*** * !* **** * *   |  |     |

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|--|------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1  | PATPAAPAAGRSEPGRAGGFGR | 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       | PATPAAPAAGRSEPGRAGGFGR | 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 GCO85 RS10305 WP 010947729.1    | .....                  | 344 |
| NTDB id 110564 ACAM36 RS02135 WP 003084552.1 | .....                  | 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                                    |                        |     |

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