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|                                              |                  |             |                                |                 |                                      |     |
|----------------------------------------------|------------------|-------------|--------------------------------|-----------------|--------------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1  | TFDQALYQLVVDKTI  | SEQDALHSA   | DSANDLRLMLKTKRGDDY...          | GSGSLQNVKI..... | DME.....                             | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1        | TFDQALYNLYVQCEIT | YEDALLHAD   | SSNDLRLMIKLGSETDGEHLTSVS       | .QGLTL.....     | EMSDDDPGRSFR.....                    | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1    | TFDQALFDLYDHQHI  | SYADALKHAD  | SPNNLRLQIKLSEEANKPLDNRERMSEMER | .....           | KMTFDGQRRNLK.....                    | 383 |
| NTDB id 1307 DR RS10055 WP 010888596.1       | TMDAYLAGLFR      | HLITYDK     | CLERAI.DPKE..                  | FARLANDASAGL    | .GGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAA | 395 |
| NTDB id 1086 NMV RS00245 WP 002218487.1      | TMDQSLQSLVRQGLI  | IAPEVARRRA  | QNSESM..SF.....                |                 |                                      | 347 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1     | TMDQSLQSLVRQGLI  | IAPEAARRRA  | QNSESM..SF.....                |                 |                                      | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1    | TMEQNAKQLIARGVV  | DAQEVQSKI   | ELDLKA..F.....                 |                 |                                      | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1  | TMEQNAKQLIARGVV  | DAQEVQSKI   | ELDLKA..F.....                 |                 |                                      | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1   | TLDQHLTELVNKNI   | ISKHTAHEAAL | .NKSL..F.....                  |                 |                                      | 344 |
| NTDB id 1259 GCO85 RS10305 WP 010947729.1    | TLDQHLTELVNKNI   | ISKHTAHEAAL | .NKSL..F.....                  |                 |                                      | 344 |
| NTDB id 1102189 Q9277 RS06850 WP 011258220.1 | TLDQHLQDLVKRSL   | ITRNQAREYAK | .DKRI..FE.....                 |                 |                                      | 345 |
| NTDB id 1202 PSJM300 01600 AFN76400.1        | TLDSCCLKGLIAKGL  | ISRDSAKEKAK | .QPEN..F.....                  |                 |                                      | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1    | TLDMCLKGLVAKGL   | ISRENAREKAK | .IPEN..F.....                  |                 |                                      | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1    | TLDQSLKQLIAKGI   | INLPTARAVAK | .SPES..F.....                  |                 |                                      | 344 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1    | TLDQSLKGLVSRGVI  | SPQTARTA    | AAK.QPES..FL.....              |                 |                                      | 345 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1     | TLDQSLKGLVARGVI  | SPQTARTA    | AAK.QPES..FL.....              |                 |                                      | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1    | TLDQSLKGLVARGVI  | SPQTARTA    | AAK.QPES..FL.....              |                 |                                      | 345 |
| consensus                                    | !*** *           | !* *****    | *                              | *               | *                                    |     |

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|----------------------------------------------|------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1  | PATPAAPAAGRSEPGRAGGFRR | 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       | PATPAAPAAGRSEPGRAGGFRR | 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 1102189 Q9277 RS06850 WP 011258220.1 | .....                  | 345 |
| NTDB id 1202 PSJM300 01600 AFN76400.1        | .....                  | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1    | .....                  | 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                                    |                        |     |

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved