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|--|--------------------|-----------------------------|----------------------------|-------------------------------|-------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1    | TFDQALYQLVVDKIS    | EQDALHSA                    | DSANDLRLMLKTKRGDDY...      | GSGSLQNVKI.....               | DME.....          | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1          | TFDQALYNLYVQGEIT   | YEDALLHA                    | DSSNDLRLMIKLGSETDGEHLTSVS. | QGLTL.....                    | EMSDDDPGRSFR..... | 381 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1      | TFDQALFDLYDHQHSYAD | ALKHADSPNNLRLQIKLSEEANKPLDN | RERMSEMER.....             | KMTFDGQRRLK.....              |                   | 383 |
| NTDB id 1307 DR RS10055 WP 010888596.1         | TMDAYLAGLFR        | RHLITYDKGLERA               | IDPKEFARLANDASAGL...       | GGASMTPAAPPVPAYNSASSSSTGRGGDF | FGRGAAA           | 395 |
| NTDB id 1086 NMV RS00245 WP 002218487.1        | TMDQSLQSLVRQGLI    | APEVARRRA                   | QNSESMSF.....              |                               |                   | 347 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1       | TMDQSLQSLVRQGLI    | APEAARRRA                   | QNSESMSF.....              |                               |                   | 347 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1      | TMEQNAKQLI         | ARGVVD                      | DAQEVQSKIEL..              | DLKAF.....                    |                   | 345 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1    | TMEQNAKQLI         | ARGVVD                      | DAQEVQSKIEL..              | DLKAF.....                    |                   | 345 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1     | TLDQHLTEL          | VNKNII                      | SKHTAHEAALNKSLF.....       |                               |                   | 344 |
| NTDB id 1259 GC085 RS10305 WP 010947729.1      | TLDQHLTEL          | VNKNII                      | SKHTAHEAALNKSLF.....       |                               |                   | 344 |
| NTDB id 1155734 ALTBGP6 RS15160 WP 014950464.1 | TMDQCLQRLV         | AMGVITKQDA                  | AAKSV                      | VDKQSMNSF.....                |                   | 347 |
| NTDB id 1202 PSJM300 01600 AFN76400.1          | TLDSCLKGLI         | AKGLISR                     | DSAKEKAKQ                  | QPNF.....                     |                   | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1      | TLDMCLKGLV         | AKGLISR                     | ENAREKAKI                  | PENF.....                     |                   | 344 |
| NTDB id 1020 ACIAD RS04210 WP 011182164.1      | TLDQSLKQLI         | AKGIINLPT                   | ARAVAKS                    | PESF.....                     |                   | 344 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1       | TLDQSLKGLV         | ARGVIS                      | PQTARTAA                   | KQPESFL.....                  |                   | 345 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1      | TLDQSLKGLV         | ARGVIS                      | PQTARTAA                   | KQPESFL.....                  |                   | 345 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1      | TLDQSLKGLV         | SRGVIS                      | PQTARTAA                   | KQPESFL.....                  |                   | 345 |
| consensus                                      | !*** * !* **** * * |                             |                            |                               |                   |     |



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| NTDB id 1177 A1552VC RS01165 WP 000422572.1    | .....                  | 368 |
| NTDB id 1203 PSJM300 01605 AFN76401.1          | .....                  | 381 |
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| NTDB id 1307 DR RS10055 WP 010888596.1         | PATPAAPAAGRSEPGRAGGFRR | 418 |
| NTDB id 1086 NMV RS00245 WP 002218487.1        | .....                  | 347 |
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| NTDB id 1040 HON27 RS13360 WP 000355489.1      | .....                  | 345 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1      | .....                  | 345 |
| consensus                                      | .....                  |     |

PATPAAPAAGRSEPGRAGGFRR

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