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|---|------------------------|-------------------|--------------------|--------------------|--------------------|---------------|-------------|----------------------------|----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | MATKKK....TNFDDITKKYGA | ERDKALADALALIEKD | FGKGSIMRLGEA | .ANQKVS | VSSGSLALDI | I | ALGAGGYPKGR | 74 | |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | .MAKKP....KKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | I | ALGSGGYPKGR | 73 | | |
| NTDB id 228 SPD RS09265 WP 001085462.1 | .MAKKP....KKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | I | ALGSGGYPKGR | 73 | | |
| NTDB id 194 SPR RS08825 WP 001085462.1 | .MAKKP....KKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | I | ALGSGGYPKGR | 73 | | |
| NTDB id 159 SP RS09750 WP 001085462.1 | .MAKKP....KKLEEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | I | ALGSGGYPKGR | 73 | | |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | .MAKKP....KKLDEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | I | ALGSGGYPKGR | 73 | | |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | .MAKKP....KKLDEISKKFGA | EREKALNDALKLI | IEKDFGKGSIMRLGER | .AEQKVQVMSSGSLALDI | I | ALGSGGYPKGR | 73 | | |
| NTDB id 408 SMU RS09530 WP 002262392.1 | .MAKRI....KKTEEITKKFG | DERKKALDDALKN | IEKDFGKGAVMRLGER | .AEQKVQVMSSGSLALDI | I | ALGAGGYPKGR | 73 | | |
| NTDB id 453 Spy49 1753c ACI62003.1 | .MAKKL....KKNEEITKKFG | DERRKALDDALKN | IEKDFGKGAVMRLGER | .AEQKVQVMSSGSLALDI | I | ALGAGGYPKGR | 73 | | |
| NTDB id 115 BSU 16940 NP 389576.2 |MSDRQAALDMALKQ | IEKQFGKGSIMKLG | EK.TDTR | ISTVPSGSLALDI | I | ALGIGGYPRGR | 58 | | |
| NTDB id 625 LCA RS02525 WP 011374196.1 |MAKDERQAALDAALKK | IEKNFGKGSIMRMGEK | .VDTQVSTVSSGSLALDE | ALGVGGYPRGR | | | 60 | | |
| NTDB id 1313 DR RS12030 WP 010888966.1 |MSKDATKEISAPTD | AKERSKATETAM | QIEKAFGKGSIMKLGAE | .SKLDVQVVSTGSLSLDL | I | ALGVGGIPRGR | 72 | | |
| NTDB id 1245 Cj1673c YP 002345041.1 |MDNKRKSLDAALKS | LDKTFGKGTILRLGDK | .EVEQIDSIGTGSVGLDL | I | ALGIGGVPKGR | | 59 | | |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 |MAIDEDKQKATISLA | IKQIDKVF | FGKGA | LVR | LDK.QVEK | IDAISTGSLGLDL | I | ALGIGGVPKGR | 61 |
| NTDB id 1211 C694 RS00795 WP 000963128.1 |MAIDEDKQKATISLA | IKQIDKVF | FGKGA | LVR | LDK.QVEK | IDAISTGSLGLDL | I | ALGIGGVPKGR | 61 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 |MAKT..ETSPNDDK | KKALAAVLEKLDKT | YGGKTVMKLGD | GTVDHNI | IEVIPS | GSGLGLDL | I | ALGVGGYPKGR | 68 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAQ | IEKSF | FGKGA | IMKMDGSQ | QENLEVISTGSLGLDL | I | ALGVGGLPRGR | 60 | |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAQ | IEKSF | FGKGA | IMKMDGSQ | QENLEVISTGSLGLDL | I | ALGVGGLPRGR | 60 | |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 |MSDDKSKALAAALAQ | IEKSF | FGKGA | IMKMDGSQ | QENLEVISTGSLGLDL | I | ALGVGGLPRGR | 60 | |
| NTDB id 422469 G3566 RS08925 WP 003481871.1 |MDENKKRALSAALS | QIEKQFGKGSVMRMGDR | .VIEAVEV | IPTGSLMLDI | I | ALGIGGLPKGR | 59 | | |
| NTDB id 1427 RS RS02760 WP 011000510.1 |MEDGK..KAASMSA | EKQKALAAALAQ | IEKQFGKGSIMKMGDA | .EVEPVQVVSTGSLGLD | I | ALGVGGLPRGR | 68 | | |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | .MAENKKS | SKNNTV.VKQVEPEK | KKQALEAALAQ | IEKQFGKGSIMKLGQT | .EQLDIESVSTGSLGLDL | I | ALGIGGLPMGR | 76 | |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 |MDENKQKALAAALG | QIEKQFGKGSIMRLGDN | .RAMDVET | ISTGSLSLDI | I | ALGAGGLPMGR | 59 | | |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 |MDENKQKALAAALG | QIEKQFGKGSIMRLGDN | .RAMDVET | ISTGSLSLDI | I | ALGAGGLPMGR | 59 | | |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 |MDDNKSKALQAALS | QIEKQFGKNTVMRLGDN | .TVQAVEAVSTGSLTLDI | I | ALGIGGLPKGR | | 59 | | |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 |MDENKSKALQAALS | QIEKQFGKNTVMRLGDN | .TVQAVEAVSTGSLTLDI | I | ALGIGGLPKGR | | 59 | | |
| NTDB id 1205 PSJM300 05545 AFN77183.1 |MDENKKRALAAALG | QIEKQFGKGAVMRMGDH | .DRQAIPS | ISTGSLGLDI | I | ALGIGGLPKGR | 59 | | |
| consensus | | *** ** | *** | ** | ***! | ***** | * | ***!!*!!*!!*!!*!!*!!*!!*!! | |

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