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|---|--|----------------------------|--------------|--------------------|----------------------------|-------------|----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | MATKKK....TNFDDITKKYGAERDKALADALALIEKD | FGKGSIMRLGER | .ANQKVS | VSSGSLALDI | ALGAGGYPKGR | 74 | |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | .MAKKP....KKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 228 SPD RS09265 WP 001085462.1 | .MAKKP....KKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 194 SPR RS08825 WP 001085462.1 | .MAKKP....KKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 159 SP RS09750 WP 001085462.1 | .MAKKP....KKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | .MAKKP....KKLDEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | .MAKKP....KKLDEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 453 Spy49 1753c ACI62003.1 | .MAKKL....KKNEEITKKFGE | DERKALDDALKNIEKD | FGKGVMLRGER | .AEQKVQVMSSGSLALDI | ALGAGGYPKGR | 73 | |
| NTDB id 408 SMU RS09530 WP 002262392.1 | .MAKRI....KKTEEITKKFGE | DERKALDDALKNIEKD | FGKGVMLRGER | .AEQKVQVMSSGSLALDI | ALGAGGYPKGR | 73 | |
| NTDB id 115 BSU 16940 NP 389576.2 |MSDRQAALDMALKQIEKQ | FGKGSIMKLGK | .TDTRI | ISTVPSGSLALDI | TALGIGGYPKGR | 58 | |
| NTDB id 625 LCA RS02525 WP 011374196.1 |MAKDERQAALDAALKKIEKN | FGKGSIMRMGEK | .VDTQV | STVSSGSLALDEAL | GVGGYPKGR | 60 | |
| NTDB id 1313 DR RS12030 WP 010888966.1 |MSKDATKEISAPTDAKERSKAT | ETAMSKIEKAFGKGSIMKLGAE | .SKLDV | QVVSTGSLSLDL | ALGVGGIPKGR | 72 | |
| NTDB id 1245 Cj1673c YP 002345041.1 |MDNKRKSLDAALKS | LDKTFGKGTILRLGDK | .EVEQ | IDSIGTGSVGLDL | ALGIGGVPKGR | 59 | |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 |MAIDEDKQKATISLAIKQID | KVFGKGVMLRGER | .QVEKI | DAISTGSLGLDL | ALGIGGVPKGR | 61 | |
| NTDB id 1211 C694 RS00795 WP 000963128.1 |MAIDEDKQKATISLAIKQID | KVFGKGVMLRGER | .QVEKI | DAISTGSLGLDL | ALGIGGVPKGR | 61 | |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 |MAKT..ETTSPNDDKKK | ALAAVLEKLDKTYGKGTVMKLG | DTVDH | NIIEVIPS | SGSLGLDLALGVGGYPKGR | 68 | |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | .MAENKKSSKNNTV..VKQVEPEQ | KKQALEAALQIEKQFGKGSIMKLGQT | .EQLDI | ESVSTGSLGLDL | ALGIGGLPMGR | 76 | |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALQIEKS | FGKGAIMKMDGSQ | QEEENLE | VISTGSLGLDL | ALGVGGLPRGR | 60 | |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALQIEKS | FGKGAIMKMDGSQ | QEEENLE | VISTGSLGLDL | ALGVGGLPRGR | 60 | |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 |MSDDKSKALAAALQIEKS | FGKGAIMKMDGSQ | QEEENLE | VISTGSLGLDL | ALGVGGLPRGR | 60 | |
| NTDB id 1427 RS RS02760 WP 011000510.1 | .MED.....GK..KAASMSAEKQ | KALAAALQIEKQFGKGSIMKMGDA | .EVEPV | QVVSTGSLGLD | VALGVGGLPRGR | 68 | |
| NTDB id 269128 C3F40 RS23135 WP 000963143.1 |MAIDENKQKALAAALGQIEKQ | FGKGSIMRLGED | .RSMD | VETISTGSLSLDI | ALGAGGLPMGR | 61 | |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 |MDENKQKALAAALGQIEKQ | FGKGSIMRLGDN | .RAMD | VETISTGSLSLDI | ALGAGGLPMGR | 59 | |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 |MDENKQKALAAALGQIEKQ | FGKGSIMRLGDN | .RAMD | VETISTGSLSLDI | ALGAGGLPMGR | 59 | |
| NTDB id 1205 PSJM300 05545 AFN77183.1 |MDENKQRALAAALGQIEKQ | FGKGVMLRGMGDH | .DRQA | IPSI | TGSLGLDI | ALGIGGLPKGR | 59 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 |MDDNKSKALQAALSQIEKQ | FGKNTVMRLGDN | .TVQAV | EAVSTGSLTLDI | ALGIGGLPKGR | 59 | |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 |MDENKSKALQAALSQIEKQ | FGKNTVMRLGDN | .TVQAV | EAVSTGSLTLDI | ALGIGGLPKGR | 59 | |
| consensus | *** ** | ** ***! | *!***** | * | ***!!*!!*!!*!!*!!*!!*!!*!! | | |

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