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|---|--|------------------------|--------------------|--------------------|---------------------|-------------|----------------------------|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | MATKK....KTNFDDITKKYGAERDKALADALALIEKD | FGKGSIMRLGER.A | ANQKVS | VSSGSLALDI | ALGAGGYPKGR | 74 | |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | .MAKK....PKKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 228 SPD RS09265 WP 001085462.1 | .MAKK....PKKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 194 SPR RS08825 WP 001085462.1 | .MAKK....PKKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 159 SP RS09750 WP 001085462.1 | .MAKK....PKKLEEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | .MAKK....PKKLDEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | .MAKK....PKKLDEISKKFGE | EREKALNDALKLIEKD | FGKGSIMRLGER | .AEQKVQVMSSGSLALDI | ALGSGGYPKGR | 73 | |
| NTDB id 408 SMU RS09530 WP 002262392.1 | .MAKR....IKKTEEITKKFGE | DERKALDDALKNIEKD | FGKGVMLRGER | .AEQKVQVMSSGSLALDI | ALGAGGYPKGR | 73 | |
| NTDB id 453 Spy49 1753c ACI62003.1 | .MAKK....LKKNEEITKKFGE | DERKALDDALKNIEKD | FGKGVMLRGER | .AEQKVQVMSSGSLALDI | ALGAGGYPKGR | 73 | |
| NTDB id 115 BSU 16940 NP 389576.2 |MSDRQAALDMALKQIEKQ | FGKGSIMKLG | EK.TDTR | ISTVPSGSLALDI | TALGIGGYPRGR | 58 | |
| NTDB id 625 LCA RS02525 WP 011374196.1 |MAKDERQAALDAALKKIEKN | FGKGSIMRMGEK | .VDTQVSTVSSGSLALDE | ALGVGGYPRGR | | 60 | |
| NTDB id 1313 DR RS12030 WP 010888966.1 |MSKDATKEISAPTDAKERSKAT | ETAMSI | EKAFGKGSIMKLGAE | .SKLDVQVSTGSLSLDL | ALGVGGIPRGR | 72 | |
| NTDB id 1245 Cj1673c YP 002345041.1 |MDNKRKSLDAALKS | LDKTFGKGTILRLGDK | .EVEQIDSIGTGSVGLDL | ALGIGGVPKGR | | 59 | |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 |MAIDEDKQKATISLAIKQID | KVFGKGVRLGDK | .QVEKIDAI | ISTGSLGLDL | ALGIGGVPKGR | 61 | |
| NTDB id 1211 C694 RS00795 WP 000963128.1 |MAIDEDKQKATISLAIKQID | KVFGKGVRLGDK | .QVEKIDAI | ISTGSLGLDL | ALGIGGVPKGR | 61 | |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 |MAKT..ETTSPNDDKKK | ALAAVLEKLDKTYGKGTVMKLG | DTVDHNI | IEVIPS | SGSLGLDLALGVGGYPKGR | 68 | |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | .MAENKKS | SKNNTV.VKQVEPEQKKQ | ALEAALAI | QIEKQFGKGSIMKLGQT | .EQLDIESVSTGSLGLDL | ALGIGGLPMGR | 76 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAI | QIEKSF | GKGAIMKMDGSQ | QEEENLEVISTGSLGLDL | ALGVGGLPRGR | 60 | |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAI | QIEKSF | GKGAIMKMDGSQ | QEEENLEVISTGSLGLDL | ALGVGGLPRGR | 60 | |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 |MSDDKSKALAAALAI | QIEKSF | GKGAIMKMDGSQ | QEEENLEVISTGSLGLDL | ALGVGGLPRGR | 60 | |
| NTDB id 1427 RS RS02760 WP 011000510.1 | .MEDG.....K..KAASMSAEKQ | KALAAALAI | QIEKQFGKGSIMKMGDA | .EVEPVQVSTGSLGLD | VALGVGGLPRGR | 68 | |
| NTDB id 64837 KW3 RS0100745 WP 000344154.1 |MDENKQKALAAALG | QIEKQFGKGSIMRLGDN | .RAMDVET | ISTGSLSLDI | ALGAGGLPMGR | 59 | |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 |MDENKQKALAAALG | QIEKQFGKGSIMRLGDN | .RAMDVET | ISTGSLSLDI | ALGAGGLPMGR | 59 | |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 |MDENKQKALAAALG | QIEKQFGKGSIMRLGDN | .RAMDVET | ISTGSLSLDI | ALGAGGLPMGR | 59 | |
| NTDB id 1205 PSJM300 05545 AFN77183.1 |MDENKQRALAAALG | QIEKQFGKGVMRMGDH | .DRQAIP | ISTGSLGLDI | ALGIGGLPKGR | 59 | |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 |MDDNKSKALQAALS | QIEKQFGKNTVMRLGDN | .TVQAVEAV | STGSLTLDI | ALGIGGLPKGR | 59 | |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 |MDENKSKALQAALS | QIEKQFGKNTVMRLGDN | .TVQAVEAV | STGSLTLDI | ALGIGGLPKGR | 59 | |
| consensus | *** ** | *** | ** | ***! | *!!***** | * | ***!!*!!*!!*!!*!!*!!*!!*!! |

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