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|---|--|----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | MATK....KKTNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGERAEANQ.KVSVVSSGSLALDIALGAGGYPKGR | 74 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGR | 73 |
| NTDB id 228 SPD RS09265 WP 001085462.1 | .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGR | 73 |
| NTDB id 194 SPR RS08825 WP 001085462.1 | .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGR | 73 |
| NTDB id 159 SP RS09750 WP 001085462.1 | .MAK....KPKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGR | 73 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | .MAK....KPKKLDEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGR | 73 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | .MAK....KPKKLDEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGR | 73 |
| NTDB id 453 Spy49 1753c ACI62003.1 | .MAK....KLKKNEEITKKFGDERRKALDDALKNIEKD FGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGR | 73 |
| NTDB id 408 SMU RS09530 WP 002262392.1 | .MAK....RIKKTEEITKKFGDERKKALDDALKNIEKD FGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGR | 73 |
| NTDB id 29977 HM1 RS10875 WP 012283424.1 |MAAGDNKLQALQALNSIEKAFGKGSIMRLGEASAKLLVEV IPTGSTALD MALGIGGVPRGR | 62 |
| NTDB id 115 BSU 16940 NP 389576.2 |MSDRQAALDMALKQIEKQFGKGSIMKLGKTDTRISTVPSGSLALDIALGIGGYPGR | 58 |
| NTDB id 625 LCA RS02525 WP 011374196.1 |MAKDERQAALDAALKKIEKNFGKGSIMRMGEKVDTRQVSTVSSGSLALDEALGVGGYPRGR | 60 |
| NTDB id 1313 DR RS12030 WP 010888966.1 |MSKDATKEISAPTDAKERSKATETAMSIKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGR | 72 |
| NTDB id 1245 Cj1673c YP 002345041.1 |MDNKRKSLDAALKS LDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGR | 59 |
| NTDB id 1211 C694 RS00795 WP 000963128.1 |MAIDEDKQKATISLAIKQIDKVF GKGA LVRLGDK.QVEKIDISTGSLGLDLALGIGGVPRGR | 61 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 |MAIDEDKQKATISLAIKQIDKVF GKGA LVRLGDK.QVEKIDISTGSLGLDLALGIGGVPRGR | 61 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 |MAKT..ETTSNDDKKKALAAVLEKLDKTYGKGTVMKLGDTVDHNIIEVIPSGSLGLDLALGVGGYPKGR | 68 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | .MAENKKSNNNTV..VKQVEPEKQKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGR | 76 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAQIEKSF GKGA IAKMDGSQREENLEVISTGSLGLDLALGVGGLPRGR | 60 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAQIEKSF GKGA IAKMDGSQREENLEVISTGSLGLDLALGVGGLPRGR | 60 |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 |MSDDKSKALAAALAQIEKSF GKGA IAKMDGSQREENLEVISTGSLGLDLALGVGGLPRGR | 60 |
| NTDB id 1427 RS RS02760 WP 011000510.1 | .MEDG.....K..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDV ALGVGGLPRGR | 68 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 |MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGR | 59 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 |MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGR | 59 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 |MDNKSALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR | 59 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 |MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR | 59 |
| NTDB id 1205 PSJM300 05545 AFN77183.1 |MDENKSRALAAALGQIEKQFGKGA VMRMGDH.DRQAIPSI STGSLGLDIALGIGGLPKGR | 59 |
| consensus | *** ** * **! *!***** * **!!!*!!*!!*!!*!!*!!*!!*!! | |

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| NTDB id | Accession | Conservation | Score |
|---------|--------------------------------|--------------|-------|
| 600 | KW2 RS01765 WP 011675413.1 | | 387 |
| 269 | KZH43 RS08665 WP 001085462.1 | LEIEIEE | 388 |
| 228 | SPD RS09265 WP 001085462.1 | LEIEIEE | 388 |
| 194 | SPR RS08825 WP 001085462.1 | LEIEIEE | 388 |
| 159 | SP RS09750 WP 001085462.1 | LEIEIEE | 388 |
| 527 | SMSK321 RS11065 WP 001085454.1 | LEIEIEE | 384 |
| 499 | SM12261 RS08315 WP 078228268.1 | LEIEIEE | 384 |
| 453 | Spy49 1753c ACI62003.1 | IEIED.. | 378 |
| 408 | SMU RS09530 WP 002262392.1 | IELED.. | 383 |
| 29977 | HM1 RS10875 WP 012283424.1 | ..... | 346 |
| 115 | BSU 16940 NP 389576.2 | ..... | 348 |
| 625 | LCA RS02525 WP 011374196.1 | TEE.... | 355 |
| 1313 | DR RS12030 WP 010888966.1 | ..... | 363 |
| 1245 | Cj1673c YP 002345041.1 | ..... | 343 |
| 1211 | C694 RS00795 WP 000963128.1 | ..... | 347 |
| 1214 | NCTC11637 00359 SQJ03206.1 | ..... | 347 |
| 1334 | RAOC RS04870 WP 004918236.1 | ..... | 343 |
| 1389 | A4U84 RS07560 WP 021112712.1 | ..... | 372 |
| 1130 | NGFG RS03960 WP 003688695.1 | ..... | 348 |
| 1124 | NGFG RS03960 WP 003688695.1 | ..... | 348 |
| 1123 | OK783 RS03845 WP 003688695.1 | ..... | 348 |
| 1427 | RS RS02760 WP 011000510.1 | ..... | 352 |
| 1165 | A1552VC RS01565 WP 000344154.1 | ..... | 354 |
| 1142 | GTF74 RS11550 WP 000344154.1 | ..... | 354 |
| 1022 | ACIAD RS06390 WP 004925639.1 | ..... | 349 |
| 1074 | ABD1 RS10195 WP 000344167.1 | ..... | 349 |
| 1205 | PSJM300 05545 AFN77183.1 | ..... | 347 |

consensus

-  non conserved
-  similar
-  ≥ 50% conserved