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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGER.AANQKVSVVSSGSLALDIALGAGG	69
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGG	68
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGG	68
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGG	68
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGG	68
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGG	68
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLDEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGG	68
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGG	68
NTDB id 1111710 HMPREF9319 RS09530 WP 003066896.1	.MAKK....TKKTEAITKKFGDERKKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGG	68
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGG	68
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGG	55
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQFGKGSIMKLGAE.TDTRISTVPSGSLALDTALGIGG	53
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKALETAMTSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGG	67
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGG	54
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQIDKVFVGKALVRLGDK.QVEKIDAISTGSLGLDLALGIGG	56
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQIDKVFVGKALVRLGDK.QVEKIDSISTGSLGLDLALGIGG	56
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDTVDHNIIEVIPSGSLGLDLALGVGG	63
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGG	71
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVIISTGSLGLDLALGVGG	55
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVIISTGSLGLDLALGVGG	55
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVIISTGSLGLDLALGVGG	55
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGG	63
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGG	54
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGG	54
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDNKKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGG	54
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGG	54
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGG	54
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NTDB id 600 KW2 RS01765 WP 011675413.1	LNTAVEEGIIKKSGAWFAYNDEKIGQGAEKAKNYLKEHQDVDFEIDHKVRAAHGLLDDSEVAETEEETTASKTKA	367
NTDB id 269 KZH43 RS08665 WP 001085462.1	LKTIASDLDIKKAGAWYSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLEDGEEVSEQDTENKKDEPKK	366
NTDB id 228 SPD RS09265 WP 001085462.1	LKTIASDLDIKKAGAWYSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLEDGEEVSEQDTENKKDEPKK	366
NTDB id 194 SPR RS08825 WP 001085462.1	LKTIASDLDIKKAGAWYSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLEDGEEVSEQDTENKKDEPKK	366
NTDB id 159 SP RS09750 WP 001085462.1	LKTIASDLDIKKAGAWYSYKDEKIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLEDGEEVSEQDTENKKDEPKK	366
NTDB id 499 SM12261 RS08315 WP 078228268.1	LKTIASDLDIKKAGAWYSYKDEKIGQGSENAKKYLADNPEIFDEIDHQVVRVQFGLIDGEEIAES...KKDEAAQ	362
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LKTIASDLDIKKAGAWYSYKDEKIGQGSENAKKYLADNPEVFAEIDHQVVRVQFGLIDGEEAAES...KKDEVAQ	362
NTDB id 408 SMU RS09530 WP 002262392.1	VKTIASDLGIIQKAGAWYSYNGEKIGQGSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK..E.T	363
NTDB id 1111710 HMPREF9319 RS09530 WP 003066896.1	VKTIASDLDIKKAGAWFSYNGEKIGQGSENAKKYLAEHPEVFEIDHKVVRVHYGLVEETHEYEAADVVEE..SAA	364
NTDB id 453 Spy49 1753c ACI62003.1	VKTIASDLDIQKAGAWFSYNGEKIGQGSENAKRYLADHPQLFDEIDRKVVRVKFGLLEESEESAMAVA.....	359
NTDB id 625 LCA RS02525 WP 011374196.1	VDMAVEKDIINKSGSWYSYGSERIGQGRENAKNYLADHEDVEDEVRLKVRRAAYGISDVPEEDLPTTEDE.QINIL	348
NTDB id 115 BSU 16940 NP 389576.2	IDLGTELDIVQKSGSWYSYEEERLGGGRENAKQFLKENKDIIMLMIQEQIREHYGLDNNGVVQQQAEETQEELEFE	347
NTDB id 1313 DR RS12030 WP 010888966.1	VGLAADMDIIKKAGSFYSYGDERIGQKKEKTIAYIAERPMEQEIRDRVMAAIRAGNAGEAPALAPAPAPE..A	360
NTDB id 1245 Cj1673c YP 002345041.1	IDYGVKLDIVDKSGAWFSYKDKKLGQGRENSKAFLEKLNPEIADEITKAIQNSMGI EGM I...SGSEDD...E	340
NTDB id 1214 NCTC11637 00359 SQJ03206.1	IDYGVKLDIVDKSGAWLSYQDKKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEI...MPLPDE...P	342
NTDB id 1211 C694 RS00795 WP 000963128.1	IDYGVKLDIVDKSGAWLSYQDKKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEI...MPLPDE...P	342
NTDB id 1334 RAOC RS04870 WP 004918236.1	LDVATDLDIQKSGSWFSYQDTKLGQGRD TVKELIKDNPEIAEEL EAKIREKLQAK.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	LILAEANGFIKKSGAWFSYDGTGKIGQGGKNNAVKWLKENPEIADKLEQEIRNTLASNPNS...VLKATASD..S	358
NTDB id 1130 NGFG RS03960 WP 003688695.1	IDIGVKNDIINKSGAWYSYNGAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGTQDET..D	342
NTDB id 1124 NGFG RS03960 WP 003688695.1	IDIGVKNDIINKSGAWYSYNGAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGTQDET..D	342
NTDB id 1123 OK783 RS03845 WP 003688695.1	IDIGVKNDIINKSGAWYSYNGAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGTQDET..D	342
NTDB id 1427 RS RS02760 WP 011000510.1	IDLGVEAKVVEKSGAWYSYNGERIGQGRDNCREFLRENAELAREIENKVRHLGVTPMG...AVTLA.EE..V	349
NTDB id 1165 A1552VC RS01565 WP 000344154.1	IDLGVKHKMVEKSGAWYSYNGDKIGQGGKANACKYLKENPEIAKTLDKKLREMLLNPNEM...QLIAETSS..A	341
NTDB id 1142 GTF74 RS11550 WP 000344154.1	IDLGVKHKMVEKSGAWYSYNGDKIGQGGKANACKYLKENPEIAKTLDKKLREMLLNPNEM...QLIAETSS..A	341
NTDB id 1022 ACIAD RS06390 WP 004925639.1	VDLAVQQNIVQKAGAWYSYQGNKIGQGGKNNVIRYLEENPQISTEIEAVIREQLLTKASD...QTAA.HDE..T	340
NTDB id 1074 ABD1 RS10195 WP 000344167.1	VDLAVQQDIVQKAGAWYSYQGNKIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTTGTN...GAVQ.I.E..D	339
NTDB id 1205 PSJM300 05545 AFN77183.1	IDLGVQQGLVEKSGAWYAYKGSKIGQGGKANAAKYLEENPEIGQEIEQQIRAKLLVTSAN...TKATPVAE..D	341
consensus	* ** *** ! !***** ** ! !***** ** * ** ** ** **	

