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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALDI	I	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73	
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73	
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFGD	ERRKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	I	ALGAGGYPKGR	73	
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFGD	ERRKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	I	ALGAGGYPKGR	73	
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKK	IEKNFGKGSIMRMGEK	.VDTQVSTVSSGSLALDEALGVGGYPRGR			60
NTDB id 376519 FQV73 RS03065 WP 003154145.1	.....MS	DRQAALDMALKQ	IEKQFGKGSIMKLG	IEK.TDTRISTVPSGSLALDTALGIGGYPRGR			58
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQ	IEKQFGKGSIMKLG	IEK.TDTRISTVPSGSLALDTALGIGGYPRGR			58
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAMS	QIEKAFGKGSIMKLGAE	.SKLDVQVVSTGSLSLDLALGVGGIPRGR			72
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKSLSLDAALKS	LDKTFGKGTILRLGDK	.EVEQIDSIGTGSVGLDLALGIGGVPRGR			59
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDE	DKQKATISLAIKQ	IDKVFVGKALVRLGDK	.QVEKIDISTGSLGLDLALGIGGVPRGR			61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDE	DKQKATISLAIKQ	IDKVFVGKALVRLGDK	.QVEKIDISTGSLGLDLALGIGGVPRGR			61
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPND	DKKKALAAVLEKLD	KTYGKGTVMKLG	DGTVDHNIEVIPSGSLGLDLALGVGGYPKGR			68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTV..VKQVEPEQ	KKQALEAALAQ	IEKQFGKGSIMKLGQT	.EQLDIESVSTGSLGLDLALGIGGLPMGR			76	
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQ	IEKSFGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGLPRGR			60
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQ	IEKSFGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGLPRGR			60
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSD	DKSKALAAALAQ	IEKSFGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGLPRGR			60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKQKALAAALAQ	IEKQFGKGSIMKMGDA	.EVEPVQVVSTGSLGLDV	ALGVGGLPRGR		68	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDEN	KQKALAAALG	QIEKQFGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR		59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDEN	KQKALAAALG	QIEKQFGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR		59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDN	KSKALQAALS	QIEKQFGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR		59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDEN	KSKALQAALS	QIEKQFGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR		59
NTDB id 1205 PSJM300 05545 AFN77183.1MDEN	KKRALAAALG	QIEKQFGKGAVMRMGDH	.DRQAIPSI	ISTGSLGLDI	ALGIGGLPKGR	59	
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NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
 NTDB id 194 SPR RS08825 WP 001085462.1
 NTDB id 159 SP RS09750 WP 001085462.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 376519 FQV73 RS03065 WP 003154145.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
 NTDB id 1123 OK783 RS03845 WP 003688695.1
 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 625 LCA RS02525 WP 011374196.1	...	355
NTDB id 376519 FQV73 RS03065 WP 003154145.1	...	347
NTDB id 115 BSU 16940 NP 389576.2	...	348
NTDB id 1313 DR RS12030 WP 010888966.1	...	363
NTDB id 1245 Cj1673c YP 002345041.1	...	343
NTDB id 1211 C694 RS00795 WP 000963128.1	...	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	...	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	...	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	...	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	...	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	...	348
NTDB id 1427 RS RS02760 WP 011000510.1	...	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	...	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347

consensus

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 ≥ 50% conserved