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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73	
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVSTVSSGSLALDEALGVGGYPRGR	60	
NTDB id 44877 BMWSH RS16600 WP 014460627.1	.....MND	KQAALDMALKQIEKQ	FGTGSIIKMGEG	.THAKVEASSSGSLALDI	ALGINGYPKGR	58
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQIEKQ	FGKGSIMKLGK	.TDTRISTVPSGSLALDI	ALGIGGYPRGR	58
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	ERSKATETAMSQIEKA	FGKGSIMKLGAE	.SKLDVQVVSTGSLSLDL	ALGVGGIPRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKSALDAALKS	LDKTFGKGTILRLGDK	.EVEQIDSIGTGSVGLDL	ALGIGGVPKGR	59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDE	DKQKATISLAIKQID	KVFGKGA	LVRLGDK.QVEKIDAISTGSLGLDL	ALGIGGVPKGR	61
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDE	DKQKATISLAIKQID	KVFGKGA	LVRLGDK.QVEKIDSISTGSLGLDL	ALGIGGVPKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1MAKT..ETTSPND	DKKALAAVLEKLDKT	YGKGTVMKLG	DTVDHNI	IEVIPSGSLGLDL	ALGVGGYPKGR	68
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NTDB id 1124 NGFG RS03960 WP 003688695.1MSD	DKSKALAAALAIKQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSD	DKSKALAAALAIKQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKQKALAAALAIKQIEKQ	FGKGSIMKMGDA	.EVEPVQVVSTGSLGLDV	ALGVGGLPRGR	68	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1MDEN	KKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDEN	KSALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDN	KSALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1MDEN	KKRALAAALGQIEKQ	FGKGAVMRMGDH	.DRQAIP	ISTGSLGLDI	ALGIGGLPKGR	59
consensus		** **	**	***!	*****	*	***!!*!!*!!*!!*!!*!!*!!*!!

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NTDB id 600 KW2 RS01765 WP 011675413.1 ..... 387
NTDB id 269 KZH43 RS08665 WP 001085462.1 ELEIEIEE 388
NTDB id 228 SPD RS09265 WP 001085462.1 ELEIEIEE 388
NTDB id 194 SPR RS08825 WP 001085462.1 ELEIEIEE 388
NTDB id 159 SP RS09750 WP 001085462.1 ELEIEIEE 388
NTDB id 499 SM12261 RS08315 WP 078228268.1 ELEIEIEE 384
NTDB id 527 SMSK321 RS11065 WP 001085454.1 ELEIEIEE 384
NTDB id 453 Spy49 1753c ACI62003.1 GIEIED.. 378
NTDB id 408 SMU RS09530 WP 002262392.1 TIELED.. 383
NTDB id 625 LCA RS02525 WP 011374196.1 ..... 355
NTDB id 44877 BMWSH RS16600 WP 014460627.1 ..... 343
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 1214 NCTC11637 00359 SQJ03206.1 ..... 347
NTDB id 1211 C694 RS00795 WP 000963128.1 ..... 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 1074 ABD1 RS10195 WP 000344167.1 ..... 349
NTDB id 1022 ACIAD RS06390 WP 004925639.1 ..... 349
NTDB id 1205 PSJM300 05545 AFN77183.1 ..... 347

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consensus

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 ≥ 50% conserved