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NTDB id 600 KW2 RS01765 WP 011675413.1	MATK...KKTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALD	I	ALGAGGY	PKGRI	75	
NTDB id 668124 MP387 RS07910 WP 001085517.1	MAKK...PTKKLDEIGKKFGA	DREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGY	PKGRI	75		
NTDB id 269 KZH43 RS08665 WP 001085462.1	MA.K...KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGY	PKGRI	74		
NTDB id 228 SPD RS09265 WP 001085462.1	MA.K...KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGY	PKGRI	74		
NTDB id 194 SPR RS08825 WP 001085462.1	MA.K...KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGY	PKGRI	74		
NTDB id 159 SP RS09750 WP 001085462.1	MA.K...KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGY	PKGRI	74		
NTDB id 499 SM12261 RS08315 WP 078228268.1	MA.K...KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGY	PKGRI	74		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	MA.K...KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGY	PKGRI	74		
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK...RIKKTEEITKKFGD	ERKKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALD	I	ALGAGGY	PKGRI	74		
NTDB id 453 Spy49 1753c ACI62003.1	.MAK...KLKKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALD	I	ALGAGGY	PKGRI	74		
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVSTVSSGSLALD	E	ALGVGGY	PRGRI	61		
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQIEKQ	FGKGSIMKLGAE	.TDTRISTVPSGSLALD	T	ALGIGGY	PRGRI	59		
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAM	IEKAFGKGSIMKLGAE	.SKLDVQVVSTGSLSLD	L	ALGVGGI	PRGRI	73		
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKSLLDAALKS	LDKTFGKGTILRLGDK	.EVEQIDSIGTGSVGLD	L	ALGIGGV	PKGRI	60		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDE	DKQKATISLAIKQ	IDKVF	FGKGA	LVRLGDK	.QVEKIDAISTGSLGLD	L	ALGIGGV	PKGRI	62
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDE	DKQKATISLAIKQ	IDKVF	FGKGA	LVRLGDK	.QVEKIDSISTGSLGLD	L	ALGIGGV	PKGRI	62
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT	.ETTSPND	DKKKALAAVLEK	LDKTYGKGTVMKLG	DTVDHNI	IEVIPSGSLGLD	L	ALGVGGY	PKGRI	69
NTDB id 1389 A4U84 RS07560 WP 021112712.1	MAENKKSSKNNTV..VKQVEPEQ	KKQALEAALAQIEKQ	FGKGSIMKLGQT	.EQLDIESVSTGSLGLD	L	ALGIGGL	PMGRI	77		
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEEENLEVI	ISTGSLGLD	L	ALGVGGL	PRGRI	61	
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEEENLEVI	ISTGSLGLD	L	ALGVGGL	PRGRI	61	
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEEENLEVI	ISTGSLGLD	L	ALGVGGL	PRGRI	61	
NTDB id 1427 RS RS02760 WP 011000510.1	MEDG.....K..KAASMSA	EKKALAAALAQIEKQ	FGKGSIMKMGDA	.EVEPVQVVSTGSLGLD	V	ALGVGGL	PRGRV	69		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDEN	KKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLD	I	ALGAGGL	PMGRI	60		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDEN	KKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLD	I	ALGAGGL	PMGRI	60		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDEN	KSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLD	I	ALGIGGL	PKGRI	60		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDN	KSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLD	I	ALGIGGL	PKGRI	60		
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDEN	KKRALAAALGQIEKQ	FGKGAVMRMGDH	.DRQAIP	SISTGSLGLD	I	ALGIGGL	PKGRI	60	
consensus		** **	***	**	***	!!**	!!**	!!**	!!**	









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		EE	
NTDB id 600 KW2 RS01765 WP 011675413.1	..		387
NTDB id 668124 MP387 RS07910 WP 001085517.1	ED		383
NTDB id 269 KZH43 RS08665 WP 001085462.1	EE		388
NTDB id 228 SPD RS09265 WP 001085462.1	EE		388
NTDB id 194 SPR RS08825 WP 001085462.1	EE		388
NTDB id 159 SP RS09750 WP 001085462.1	EE		388
NTDB id 499 SM12261 RS08315 WP 078228268.1	EE		384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE		384
NTDB id 408 SMU RS09530 WP 002262392.1	..		383
NTDB id 453 Spy49 1753c ACI62003.1	..		378
NTDB id 625 LCA RS02525 WP 011374196.1	..		355
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

consensus

 non conserved  
 similar  
 ≥ 50% conserved