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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKKTN....FDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74						
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKPKK....LEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73							
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKPKK....LEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73							
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKPKK....LEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73							
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKPKK....LEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73							
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKKPKK....LDEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73							
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKPKK....LDEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73							
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKLKK....NEEITKKFGD	ERRKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73							
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRIKK....TEEITKKFGD	ERRKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73							
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQ	IEKQFGKGSIMKLG	IEK.TDTRISTVPSGSLALDI	TALGIGGYPRGR	58							
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKK	IEKNFGKGSIMRMGEK	.VDTQVSTVSSGSLALDEALGVGGYPRGR	60								
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAM	SIKIEKAFGKGSIMKLGAE	.SKLDVQVVSTGSLSLDLALGVGGIPRGR	72								
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKSALDAALKSLDK	TFGKGTILRLGDK	.EVEQIDSIGTGSVGLDLALGIGGVPKGR	59								
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDE	DKQKATISLAIKQ	IDKVF	FGKGA	LVR	LDK.QVEKIDSISTGSLGLDLALGIGGVPKGR	61						
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDE	DKQKATISLAIKQ	IDKVF	FGKGA	LVR	LDK.QVEKIDSISTGSLGLDLALGIGGVPKGR	61						
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPND	DKKALA	AAVLEKLDKT	Y	GKGTVMKLG	DGTVDHNI	IEVIPSGSLGLDLALGVGGYPKGR	68					
NTDB id 216106 BXU08 RS05700 WP 077509206.1	.MAASLK...VID..GNMAVST	DKQKALEA	AALAQIDRA	AFGKGSAMRLGSK	.ETMQVETISTGSLGLDI	ALGVGGLPRGR	72						
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTV..VKQVEPEQ	KKQALEA	AALAQIEKQ	FGKGSIMKLGQT	.EQLDIESVSTGSLGLDLALGIGGLPMGR	76							
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEE	NLE	VISTGSLGLDLALGVGGLPRGR	60						
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEE	NLE	VISTGSLGLDLALGVGGLPRGR	60						
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEE	NLE	VISTGSLGLDLALGVGGLPRGR	60						
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKQKALAAALAQIEKQ	FGKGSIMKMGDA	.EVEPVQVVSTGSLGLD	VALGVGGLPRGR	68							
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDEN	KQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59							
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDEN	KQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59							
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDEN	KKRALAAALGQIEKQ	FGKGAVMRMGDH	.DRQAIP	SISTGSLGLDI	ALGIGGLPKGR	59						
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDN	KS	KALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59						
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDEN	KS	KALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59						
consensus		**	**	**	***	*****	*****	*	*****	*****	*****	*****	*****









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NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
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consensus

 non conserved  
 similar  
 ≥ 50% conserved