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NTDB id 600 KW2 RS01765 WP 011675413.1	MATK....KKTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGER	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 159 SP RS09750 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAK....KLKKNEEITKKFGD	ERRKALDDALKN	IEKDFGKGVAVMLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK....RIKKTEEITKKFGD	ERRKALDDALKN	IEKDFGKGVAVMLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKK	IEKNFGKGSIMRMGEK	.VDTQVSTVSSGSLALDEALGVGGYP	RGR	60		
NTDB id 972379 WOC57 RS00310 WP 000368166.1	.....MDN	DRQKALDVTIK	NMEKSF	FGKGVAVMKLGDN	.IGRRVSTTSTG	SVTLDMALGVGGYPKGR	59	
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALK	QIEKQFGKGSIMKLG	EK.TDTRI	STVPSGSLALDTALGIGGYP	RGR	58	
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKAT	ETAMSQIEKA	FGKGSIMKLGAE	.SKLDVQVVSTG	SLSLDLALGVGGIP	RGR	72
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKSALDAALKS	LDKTFGKGTILRLGDK	.EVEQIDS	IGTGSVGLDLALGIGGVPKGR	59		
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDE	DKQKATISLAI	KQIDKVF	FGKGVAVMLGER	.QVEKIDS	ISTGSLGLDLALGIGGVPKGR	61	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDE	DKQKATISLAI	KQIDKVF	FGKGVAVMLGER	.QVEKIDA	ISTGSLGLDLALGIGGVPKGR	61	
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPND	DKKALAAVLEK	LDKTYGKGTVMKLG	GD	TVDHNIEV	IPSGSLGLDLALGVGGYPKGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTV..VKQVEPE	QKQALEAALA	QIEKQFGKGSIMKLG	QT.EQLDI	ESVSTGSLGLDLALGIGGLPMGR	76		
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALA	QIEKSF	FGKGAIMKMDGSQ	QEEENLEVI	ISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSD	DKSKALAAALA	QIEKSF	FGKGAIMKMDGSQ	QEEENLEVI	ISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSD	DKSKALAAALA	QIEKSF	FGKGAIMKMDGSQ	QEEENLEVI	ISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKQKALAAALA	QIEKQFGKGSIMKMG	DA.EVEPVQVVSTG	SLGLDVALGVGGLPRGR	68		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDEN	KQKALAAALG	QIEKQFGKGSIMRLG	DN.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDEN	KQKALAAALG	QIEKQFGKGSIMRLG	DN.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDN	KSKALQAALS	QIEKQFGKNTVMRLG	DN.TVQAVEAVSTG	SLTLDI	ALGIGGLPKGR	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDEN	KSKALQAALS	QIEKQFGKNTVMRLG	DN.TVQAVEAVSTG	SLTLDI	ALGIGGLPKGR	59	
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDEN	KKRALAAALG	QIEKQFGKGVAVMR	GDH.DRQA	IPSI	ISTGSLGLDI	ALGIGGLPKGR	59
consensus		**	***	**	***!	*!!*****	*	***!!*!!*!!*!!*!!*!!*!!*!!*!!*!!









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consensus

 non conserved  
 similar  
 ≥ 50% conserved