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NTDB id 600 KW2 RS01765 WP 011675413.1	MATK...KKTNFDDITKKYGAERDKALADALALIEKD	FGKGSIMRLGERAAEQ.KVSVVSSGSLALDIALGAGGYPKGRI	75	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK...KPKKLEEISKKFGEEREKALNDALKLI	IEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI	74	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK...KPKKLEEISKKFGEEREKALNDALKLI	IEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI	74	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK...KPKKLEEISKKFGEEREKALNDALKLI	IEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI	74	
NTDB id 159 SP RS09750 WP 001085462.1	.MAK...KPKKLEEISKKFGEEREKALNDALKLI	IEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI	74	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK...KPKKLDEISKKFGEEREKALNDALKLI	IEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI	74	
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK...KPKKLDEISKKFGEEREKALNDALKLI	IEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRI	74	
NTDB id 453 Spy49 1753c ACI62003.1	.MAK...KLKKNEEITKKFGDERRKALDDALKNI	IEKDFGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGRI	74	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK...RIKKTEEITKKFGDERRKALDDALKNI	IEKDFGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGRI	74	
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQFGKGSIMKLG	EKTDT.RISTVPSGSLALDIALGIGGYPRGRI	59
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRM	GKEVDT.QVSTVSSGSLALDEALGVGGYPRGRI	61
NTDB id 1313 DR RS12030 WP 010888966.1MSKDATKEISAPTDAKERSKATETAMSQIE	KAFAFGKGSIMKLGAEKSL.DVQVVSTGSLSLDL	ALGVGGIPRGRI	73
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDNKRKSLDAALKSLDKTFGKGTILRLG	DKEVE.QIDSIGTGSVGLDLALGIGGVPRGRI	60
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATSLAIKQIDKVFGKGALVRL	GDKQVE.KIDAISTGSLGLDLALGIGGVPRGRI	62
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATSLAIKQIDKVFGKGALVRL	GDKQVE.KIDSISTGSLGLDLALGIGGVPRGRI	62
NTDB id 1334 RAOC RS04870 WP 004918236.1MAKT..ETTSPNDKSKKALAAVLEKLDKT	YGKGTVMKLGDTVDHNIIEVIPSGLGLDLALGV	GYPKGRV	69
NTDB id 1389 A4U84 RS07560 WP 021112712.1	MAENKKSSKNNTV..VKQVEPEQKKQALEAALA	QIEKQFGKGSIMKLGQTEQL.DIESVSTGSLGLDL	ALGIGGLPMGRI	77
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGS	QEQEENLEVISTGSLGLDLALGVGGLPRGRI	61
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGS	QEQEENLEVISTGSLGLDLALGVGGLPRGRI	61
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGS	QEQEENLEVISTGSLGLDLALGVGGLPRGRI	61
NTDB id 31048 BPTD RS12880 WP 003812760.1	.MDD.....K..TSKAAAAEKAKALAAALSQIEKQ	FGKGSIMRYGDNEVEHDIQVVSTGSLGLDIALGV	GGLPRGRV	69
NTDB id 1427 RS RS02760 WP 011000510.1	MEDG.....K..KAASMSAEKQKALAAALAQIEKQ	FGKGSIMKMGDAEVE.PVQVVSTGSLGLDIALGV	GGLPRGRV	69
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGD	NRAM.DVETISTGSLSLDIALGAGGLPMGRI	60
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGD	NRAM.DVETISTGSLSLDIALGAGGLPMGRI	60
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDENKKRALAAALGQIEKQFGKGAVMRMGD	HDRQ.AIPSIISTGSLGLDIALGIGGLPKGRI	60
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSALQAALSQIEKQFGKNTVMRLGD	NNTVQ.AVEAVSTGSLTLDIALGIGGLPKGRI	60
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDENKSALQAALSQIEKQFGKNTVMRLGD	NNTVQ.AVEAVSTGSLTLDIALGIGGLPKGRI	60	
consensus	*** ** * **!	*!*****	* **!*!***!!	

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		EIEE	
NTDB id 600	KW2 RS01765 WP 011675413.1	387
NTDB id 269	KZH43 RS08665 WP 001085462.1	EIEE	388
NTDB id 228	SPD RS09265 WP 001085462.1	EIEE	388
NTDB id 194	SPR RS08825 WP 001085462.1	EIEE	388
NTDB id 159	SP RS09750 WP 001085462.1	EIEE	388
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NTDB id 115	BSU 16940 NP 389576.2	348
NTDB id 625	LCA RS02525 WP 011374196.1	355
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NTDB id 1334	RAOC RS04870 WP 004918236.1	343
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NTDB id 1165	A1552VC RS01565 WP 000344154.1	354
NTDB id 1142	GTF74 RS11550 WP 000344154.1	354
NTDB id 1205	PSJM300 05545 AFN77183.1	347
NTDB id 1022	ACIAD RS06390 WP 004925639.1	349
NTDB id 1074	ABD1 RS10195 WP 000344167.1	349

consensus

non conserved
 similar
 ≥ 50% conserved