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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGAERDKALADALALIEKD	FGKGSIMRLGER.A	ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFG	DERKALDDALKNIEKD	FGKGVMLRGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFG	DERKALDDALKNIEKD	FGKGVMLRGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73	
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQ	FGKGSIMKLG	EK.TDTR	ISTVPSGSLALDI	TALGIGGYPRGR	58
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVSTVSSGSLALDE	ALGVGGYPRGR		60
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKAT	ETAMSQIEKAFGKGSIMKLG	AE.SKLDVQVVSTGSLSLDL	ALGVGGIPRGR		72
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKTFGKGTILRLGDK	.EVEQIDSIGTGSVGLDL	ALGIGGVPKGR		59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQID	KVFGKGVMLRGER	.QVEKID	ISTGSLGLDL	ALGIGGVPKGR	61
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQID	KVFGKGVMLRGER	.QVEKID	ISTGSLGLDL	ALGIGGVPKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPNDDKKK	ALAAVLEKLDKTYGKGTVMKLG	GD	TVDHNIEVIPSGSLGLDL	ALGVGGYPKGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS	SKNNTV.VKQVEPEQKKQ	ALEAALAIKQIEKQ	FGKGSIMKLG	QT.EQLDIESVSTGSLGLDL	ALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAIKQIEKS	FGKGAIMKMDGSQ	QEE	NEVISTGSLGLDL	ALGVGGLPRGR	60
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAIKQIEKS	FGKGAIMKMDGSQ	QEE	NEVISTGSLGLDL	ALGVGGLPRGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAIKQIEKS	FGKGAIMKMDGSQ	QEE	NEVISTGSLGLDL	ALGVGGLPRGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSAEKQ	KALAAALAIKQIEKQ	FGKGSIMKMGDA	.EVEPVQVSTGSLGLD	VALGVGGLPRGR	68	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR		59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR		59
NTDB id 275523 CSB70 RS10145 WP 000344167.1	.....MDENKSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR		59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR		59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR		59
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKKBALAAALGQIEKQ	FGKGVMLRGM	DH.DRQA	IP	ISTGSLGLDI	ALGIGGLPKGR	59
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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGK	ITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGITIKKSGAWFAYN	312						
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311						
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311						
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311						
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311						
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311						
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDIKKAGAWYSYK	311						
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDS	IGKETKIKVVKNKVAPPFKVAEVEIMYEGISRTGELVKIASDLDIQKAGAWFSYN	311						
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDS	IGKETKIKVVKNKVAPPFKEAFVEIIMYGEGISRTGELVKIASDLGIQKAGAWYSYN	311						
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....D	MGNKTKIKVVKNKVAPPFR	TAEVDIMYGEGISKEGEITDLGTELDIVQKSGSWYSYE	292					
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAEIKNGT.....D	MGNRARIKVVKNKVAPPFKVAEVDIMYGGISRTGELVDMAVEKDI	INKSGSWYSYG	294					
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGND	AVANTVKIKTKVKNKVAAPFKEVELALVYGGKGFQDLS	DLVGLAADMDI	IKKAGSFYSYG	307				
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQN	EETGNRVKIKVVKNKVAPPFRQAEFDV	MFGEGLSREGELIDYGVKLDIVDKSGAWFSYK	294					
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNE	QHIGNRAKIKVVKNKVAPPFR	EAFFDIMFGEGISKEGEITDYGVKLDIVDKSGAWLSYQ	296					
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNE	QHIGNRAKIKVVKNKVAPPFR	EAFFDIMFGEGISKEGEITDYGVKLDIVDKSGAWLSYQ	296					
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKS	GEVIGNRTKIKVVKNKVAPPFKSAEFDIMYGGVSKVGEILDV	ATDLDIQKSGSWFSYQ	307					
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDG	DEIGSETKIKVVKNKVAPPFR	EVQFDIMYGEGISRMNELLILAEANGFITKSGAWFSYD	310					
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGNETR	VKVIKKNVAPPFRQAEFDILYGGISWEGELIDIGVKNDI	INKSGAWYSYN	294				
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGNETR	VKVIKKNVAPPFRQAEFDILYGGISWEGELIDIGVKNDI	INKSGAWYSYN	294				
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGNETR	VKVIKKNVAPPFRQAEFDILYGGISWEGELIDIGVKNDI	INKSGAWYSYN	294				
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKG	DEVVGNETKIKVVKNKVAPPFR	EAFIDILYGGAGVSREGEITDLGVEAKVVEKSGAWYSYN	302					
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEVVGNETRIKVVKNKIAAPFKEANTQIMYGGQFN	REGELIDLGVKHKMVEKSGAWYSYN	293					
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEVVGNETRIKVVKNKIAAPFKEANTQIMYGGQFN	REGELIDLGVKHKMVEKSGAWYSYN	293					
NTDB id 275523 CSB70 RS10145 WP 000344167.1	SVRLDIRRIGQ....V.KEG	DEIVGSETKIKVVKNKMAPPFKEAIFQILYGGKGTN	QLGELVDLAVQQDIVQKAGAWYSYQ	293					
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEG	DEIVGSETKIKVVKNKMAPPFKEAIFQILYGGKGTN	QLGELVDLAVQQDIVQKAGAWYSYQ	293					
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEG	DEIVGSETKIKVVKNKMAPPFR	EAFIQILYGGKGTNQLGELVDLAVQQNIVQKAGAWYSYQ	293					
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEG	DEVVGS	ETRVKVVKNKVAPPFRQAEFQILYGGKIYRNGEITDLGVQQGLVEKSGAWAYK	293					
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NTDB id 600 KW2 RS01765 WP 011675413.1	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	E	I	E	I	E	E	388
NTDB id 228 SPD RS09265 WP 001085462.1	E	I	E	I	E	E	388
NTDB id 194 SPR RS08825 WP 001085462.1	E	I	E	I	E	E	388
NTDB id 159 SP RS09750 WP 001085462.1	E	I	E	I	E	E	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	E	I	E	I	E	E	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	E	I	E	I	E	E	384
NTDB id 453 Spy49 1753c ACI62003.1	E	I	E	D	.	.	378
NTDB id 408 SMU RS09530 WP 002262392.1	E	L	E	D	.	.	383
NTDB id 115 BSU 16940 NP 389576.2	.	.	.	.	.	.	348
NTDB id 625 LCA RS02525 WP 011374196.1	.	.	.	.	.	.	355
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 275523 CSB70 RS10145 WP 000344167.1	.	.	.	.	.	.	349
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