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NTDB id 600 KW2 RS01765 WP 011675413.1	MATK...KKTNFDDITKKYGAERDKALADALALIEKDFGKGSIMRLGEA.ANQKVSVVSSGSLALDIALGAGGYPKGRI	75
NTDB id 177429 A4H00 RS03485 WP 067087334.1	MAKK...PSKKLEDITKKYGERDKKALDDALKIEKDFGKGAIMRLGER.AEQKVQVMSSGSLSDIALGAGGYPKGRI	75
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK...KPKKLEEISKKFGEREKALNDALKIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRI	74
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK...KPKKLEEISKKFGEREKALNDALKIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRI	74
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK...KPKKLEEISKKFGEREKALNDALKIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRI	74
NTDB id 159 SP RS09750 WP 001085462.1	.MAK...KPKKLEEISKKFGEREKALNDALKIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRI	74
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK...KPKKLDEISKKFGEREKALNDALKIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRI	74
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK...KPKKLDEISKKFGEREKALNDALKIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRI	74
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK...RIKKTEEITKKFGERDKKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGRI	74
NTDB id 453 Spy49 1753c ACI62003.1	.MAK...KLKKNEEITKKFGERDKKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGRI	74
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQFGKGSIMKLGEEK.TDTRISTVPSGSLALDIALGIGGYPKGRI	59
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPKGRI	61
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPKGRI	73
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRI	60
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQIDKVFGKGALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRI	62
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQIDKVFGKGALVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRI	62
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDDGTVDHNIIEVIPSGSLGLDLALGVGGYPKGRI	69
NTDB id 1389 A4U84 RS07560 WP 021112712.1	MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRI	77
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFSGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPKGRI	61
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFSGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPKGRI	61
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFSGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPKGRI	61
NTDB id 1427 RS RS02760 WP 011000510.1	MEDG.....K..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPGRV	69
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRI	60
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRI	60
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDNKSALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRI	60
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRI	60
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGRI	60
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NTDB id 600 KW2 RS01765 WP 011675413.1
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 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 408 SMU RS09530 WP 002262392.1
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 NTDB id 1142 GTF74 RS11550 WP 000344154.1
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 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

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EKIGQGA**E**KAKNYLKEHQ**D**V**F**DEIDHKVRAAHG**L**IDDSEVAETEEETTASKTAKAKKEEKAVETEEIELELED..... 387
 EKIGQGS**E**NAKKYLEEHPEIFA**E**DRK**I**RVHYGLIEDSEQTEVVETADKEEKAEES.KDAVAANQEVVLDLDGGIELED 392
 EKIGQGS**E**NAKKYLAEHPEIF**D**EIDKQVRSK**F**GLIDGEEVSEQDTENKKDEP.....KKEEAVNEEVPLDLGDELEIEI 386
 EKIGQGS**E**NAKKYLAEHPEIF**D**EIDKQVRSK**F**GLIDGEEVSEQDTENKKDEP.....KKEEAVNEEVPLDLGDELEIEI 386
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 EKIGQGS**E**NAKKYLAENPEIFA**E**IDHQV**R**VQ**F**GLIDGEEIAE....SKKDEA.....AQVDSVNEEVTLDLGDELEIEI 382
 EKIGQGS**E**NAKKFLADNPEIF**D**DIDHKV**R**VQ**Y**GLIEEDNTEEKQSSKEK.....ETDEKADKNLVLELDDTIELED 383
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 DKIGQ**G**K**A**NA**C**K**Y**L**K**EN**P**E**I**AK**T**L**D**KK**L**RE**M**LL**N**P**E**N**M**.....Q**L**IA**E**T**S**SA**A**DD**V**..E**F**G**A**V.....P**E**E**F**..... 354
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NTDB id 499 SM12261 RS08315 WP 078228268.1	EE	384	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	..	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	..	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	..	347	

consensus

non conserved
 similar
 ≥ 50% conserved