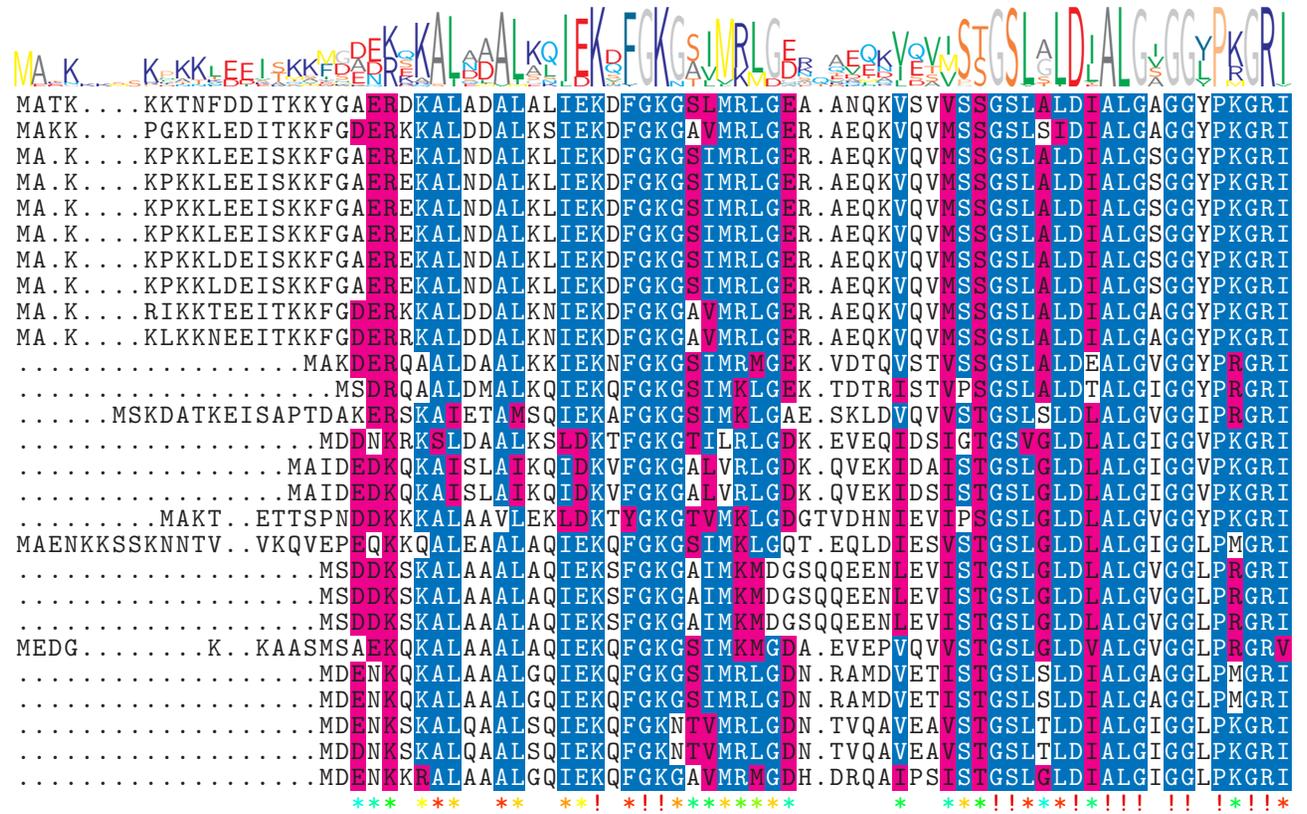


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NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 91161 L6419 RS00425 WP 024532325.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
 NTDB id 194 SPR RS08825 WP 001085462.1
 NTDB id 159 SP RS09750 WP 001085462.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
 NTDB id 1123 OK783 RS03845 WP 003688695.1
 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1205 PSJM300 05545 AFN77183.1
 consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EKAKNYLKEHQDVFDEIDHKVRAAHGL	LDDSEVAETEE	ETTAS	KTAKAKK	EEKAVETEE	I	ELELED	.	387
NTDB id 91161 L6419 RS00425 WP 024532325.1	EKIGQGS	ENAKKFLADHPTIFEEIDRKIRIHYGL	IEEESGSTEVI	ED					PTFEGQDVILDLDGG	375
NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIFDEIDKQVRSKFG	LIDGEEVSEQDT	ENKK	DEPK	K	EEAVNEEV	PLDLGDE		381
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIFDEIDKQVRSKFG	LIDGEEVSEQDT	ENKK	DEPK	K	EEAVNEEV	PLDLGDE		381
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIFDEIDKQVRSKFG	LIDGEEVSEQDT	ENKK	DEPK	K	EEAVNEEV	PLDLGDE		381
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIFDEIDKQVRSKFG	LIDGEEVSEQDT	ENKK	DEPK	K	EEAVNEEV	PLDLGDE		381
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLDNPEVFAEIDHQVVRVQFGL	IDGEEAAE	SKK	DEVA	Q	VDSVNEEV	TLDLGDE		377
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLDNPEIFDEIDHQVVRVQFGL	IDGEEIAE	SKK	DEAA	Q	VDSVNEEV	TLDLGDE		377
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLADNPEIFDDIDHKVVRVQYGL	IEEDNTEEKQS	SKEK	E	T	DEKADKNL	VLELDDT		378
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLADHPQLFDEIDRKVVRVQFGL	LEESEEEESAMA	VASE	E		TDDLAL	DLDNG		373
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQGR	ENAKNYLADHEDVEDEVRLKVRAAAYGIS	SDVPEEDLPTT	EDE	QINI		LPDDS			352
NTDB id 115 BSU 16940 NP 389576.2	ERLGQGR	ENAKQFLKENKDIMLMIQEIQIREHYGL	DNNGVVQQQAE	ETQE	ELEF		E			348
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQG	KEKTIAYIAERP	PEMEQEIRDRVMAAIRAGNAGEAPALAPAPAPEAAEA							363
NTDB id 1245 Cj1673c YP 002345041.1	KKLGQGR	ENSKAFLKENPEIADEITKAIQNSMGI	EGMI	SG	SEDDE	GEE				343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKLGQGR	ENAKALLKEDKALADEITLTKESIGS	NEEI	MPLP	DEP	LE	EME			347
NTDB id 1211 C694 RS00795 WP 000963128.1	KKLGQGR	ENAKALLKEDKALADEITLTKESIGS	NEEI	MPLP	DEP	LE	EME			347
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKLGQGR	DTVKELTKDNPELAELEAKIREKLQAK								343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQG	KNNAVKWLKENPEIADKLEQEIRNTLAS	SNPNS	VLKATAS	DSND	ESDV	EEFSEEL			372
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEISDEIDAKIRALNG	VEMHI	TEGTQ	DETD		GERPEE			348
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEISDEIDAKIRALNG	VEMHI	TEGTQ	DETD		GERPEE			348
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDNVRVWLKENPEISDEIDAKIRALNG	VEMHI	TEGTQ	DETD		GERPEE			348
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQGR	DNCREFLRENAELAREIENKVRHLG	VTPMG	AV	TLAEE	VEED				352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KANACKYLLKENPEIAKTLDKKLR	REMLLN	PENM	QLIAETSSA	AD	DVEF	GAVPEEF		354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KANACKYLLKENPEIAKTLDKKLR	REMLLN	PENM	QLIAETSSA	AD	DVEF	GAVPEEF		354
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNNVIRYFEENNQIAEEIERNIRE	QLLTTGTN	GAVQ	I	EDEE	EPD	LLLES		349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNNVIRYLEENPQISTEIEAVIRE	QLLTKASD	QTAA	HDETEE	EPD	LLLES			349
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANAACKYLEENPEIGQIEIQQLRAK	LLVTSAN	TKATP	VAEDLAD	AD	I			347

consensus

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LELEE

NTDB id 600 KW2 RS01765 WP 011675413.1	387
NTDB id 91161 L6419 RS00425 WP 024532325.1	IELEE..	380
NTDB id 269 KZH43 RS08665 WP 001085462.1	LEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	LEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	LEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	LEIEIEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LEIEIEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	LEIEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	IELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IEIED..	378
NTDB id 625 LCA RS02525 WP 011374196.1	TEE....	355
NTDB id 115 BSU 16940 NP 389576.2	.....	348
NTDB id 1313 DR RS12030 WP 010888966.1	363
NTDB id 1245 Cj1673c YP 002345041.1	343
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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 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