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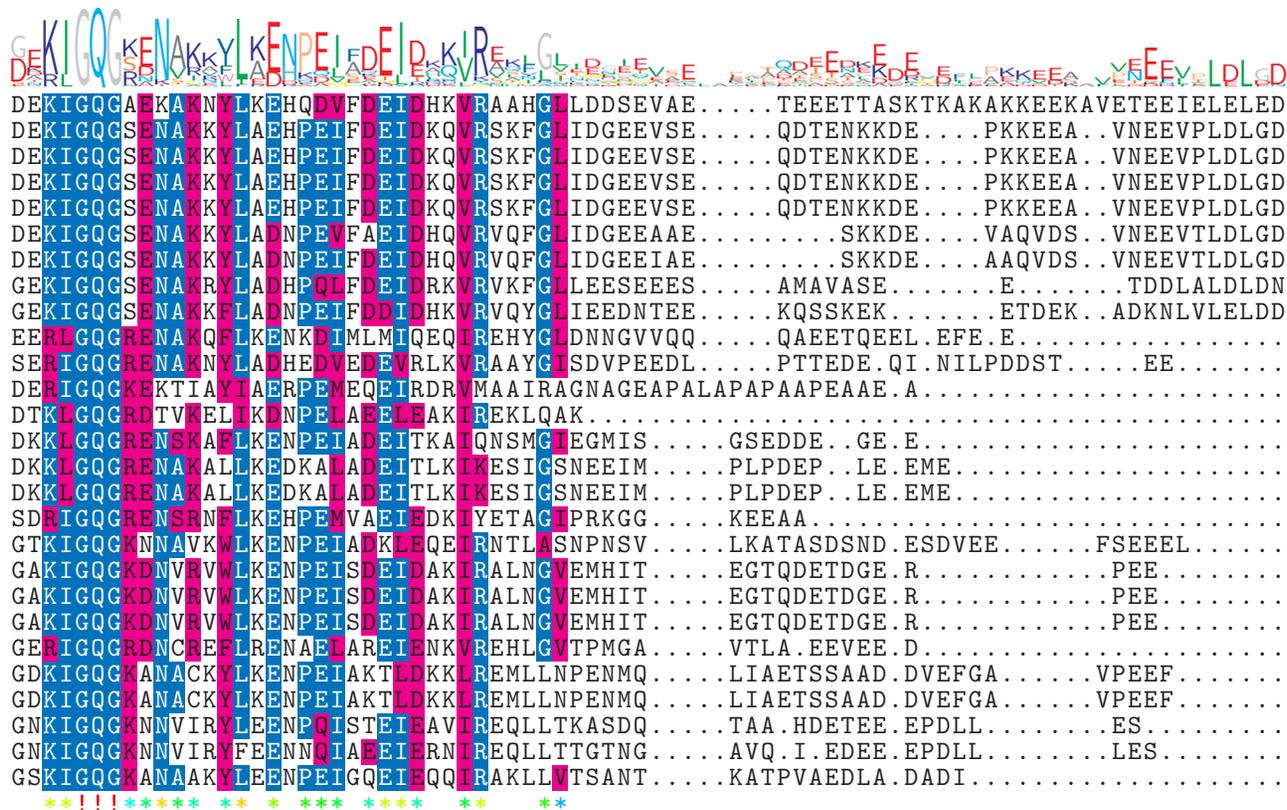


NTDB id 600 KW2 RS01765 WP 011675413.1	MATK....KKTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLG	EA	.ANQKVS	VSSGSLALD	I	ALGAGGYPKGR	74		
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73			
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73			
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73			
NTDB id 159 SP RS09750 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK....KPKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73			
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK....KPKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73			
NTDB id 453 Spy49 1753c ACI62003.1	.MAK....KLKKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGVMLR	GER	.AEQKVQVMSSGSLALD	I	ALGAGGYPKGR	73			
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK....RIKKTEEITKKFGD	ERRKALDDALKNIEKD	FGKGVMLR	GER	.AEQKVQVMSSGSLALD	I	ALGAGGYPKGR	73			
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQIEKQ	FGKGSIMKLG	EK	.TDTRISTVPSGSLALD	I	ALGIGGYPRGR	58		
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKKIEKN	FGKGSIMRMG	EK	.VDTQVSTVSSGSLALD	EALGVGGYPRGR	60			
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	ERSKATETAM	QIEKAFGKGSIMKLG	AE	.SKLDVQVVSTGSLSLD	I	ALGVGGIPRGR	72		
NTDB id 1334 RAOC RS04870 WP 004918236.1MAK..TETTSPND	DKKALA	AAVLEKLDKT	Y	GKGTVMKLG	D	GTVDHNI	EVIPSGSLGLDLALGVGGYPKGR	68		
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKS	LDAALKS	LDKT	FGKGTILRLGDK	.EVEQIDS	IGTGSVGLDLALGIGGVPKGR	59		
NTDB id 1214 NCTC11637 00359 SQJ03206.1MAIDE	DKQK	ATSLAIKQ	IDKV	FGKGA	LVRLGDK	.QVEKIDA	ISTGSLGLDLALGIGGVPKGR	61		
NTDB id 1211 C694 RS00795 WP 000963128.1MAIDE	DKQK	ATSLAIKQ	IDKV	FGKGA	LVRLGDK	.QVEKIDS	ISTGSLGLDLALGIGGVPKGR	61		
NTDB id 24948 GMET RS00995 WP 004512787.1MTQ	EREKA	TELALS	QIEKQ	FGKGA	IMRLGADEALPDIDA	IP	TGALS	LDI	ALGVGGVPRGR	60
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNT..VVKQVEPE	QKQ	ALEAALA	QIEKQ	FGKGS	IMKLGQT	.EQLD	IESV	TGSLGLDLALGIGGLPMGR	76	
NTDB id 1130 NGFG RS03960 WP 003688695.1MSD	DKSK	ALAAALA	QIEKS	FGKGA	IMKMDGSQ	Q	Q	EENLEVISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1MSD	DKSK	ALAAALA	QIEKS	FGKGA	IMKMDGSQ	Q	Q	EENLEVISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1MSD	DKSK	ALAAALA	QIEKS	FGKGA	IMKMDGSQ	Q	Q	EENLEVISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....KKAASMSA	EKQ	KALAAALA	QIEKQ	FGKGS	IMKMGDA	.EVEPVQVVSTGSLGLD	V	ALGVGGLPRGR	68	
NTDB id 1165 A1552VC RS01565 WP 000344154.1MDEN	KQ	KALAAALG	QIEKQ	FGKGS	IMRLGDN	.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1142 GTF74 RS11550 WP 000344154.1MDEN	KQ	KALAAALG	QIEKQ	FGKGS	IMRLGDN	.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1022 ACIAD RS06390 WP 004925639.1MDDN	KSK	ALQAALS	QIEKQ	FGKNT	VMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDEN	KSK	ALQAALS	QIEKQ	FGKNT	VMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1205 PSJM300 05545 AFN77183.1MDEN	KK	RALAAALG	QIEKQ	FGKGV	MRMGDH	.DRQAIPS	ISTGSLGLDI	ALGIGGLPKGR	59	
consensus		**	**	**	***!	*!!	*****	*	***!***!!*!!!	!!	***!

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NTDB id 600 KW2 RS01765 WP 011675413.1
 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 453 Spy49 1753c ACI62003.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 24948 GMET RS00995 WP 004512787.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
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 NTDB id 1123 OK783 RS03845 WP 003688695.1
 NTDB id 1427 RS RS02760 WP 011000510.1
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 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

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NTDB id 600 KW2 RS01765 WP 011675413.1	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	ELEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	ELEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	ELEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	ELEIEIEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	ELEIEIEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	ELEIEIEE	384
NTDB id 453 Spy49 1753c ACI62003.1	GIEIED..	378
NTDB id 408 SMU RS09530 WP 002262392.1	TIELED..	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 1334 RAOC RS04870 WP 004918236.1	343
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	347
NTDB id 1211 C694 RS00795 WP 000963128.1	347
NTDB id 24948 GMET RS00995 WP 004512787.1	.....	339
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
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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 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

- X non conserved
- X similar
- X ≥ 50% conserved