

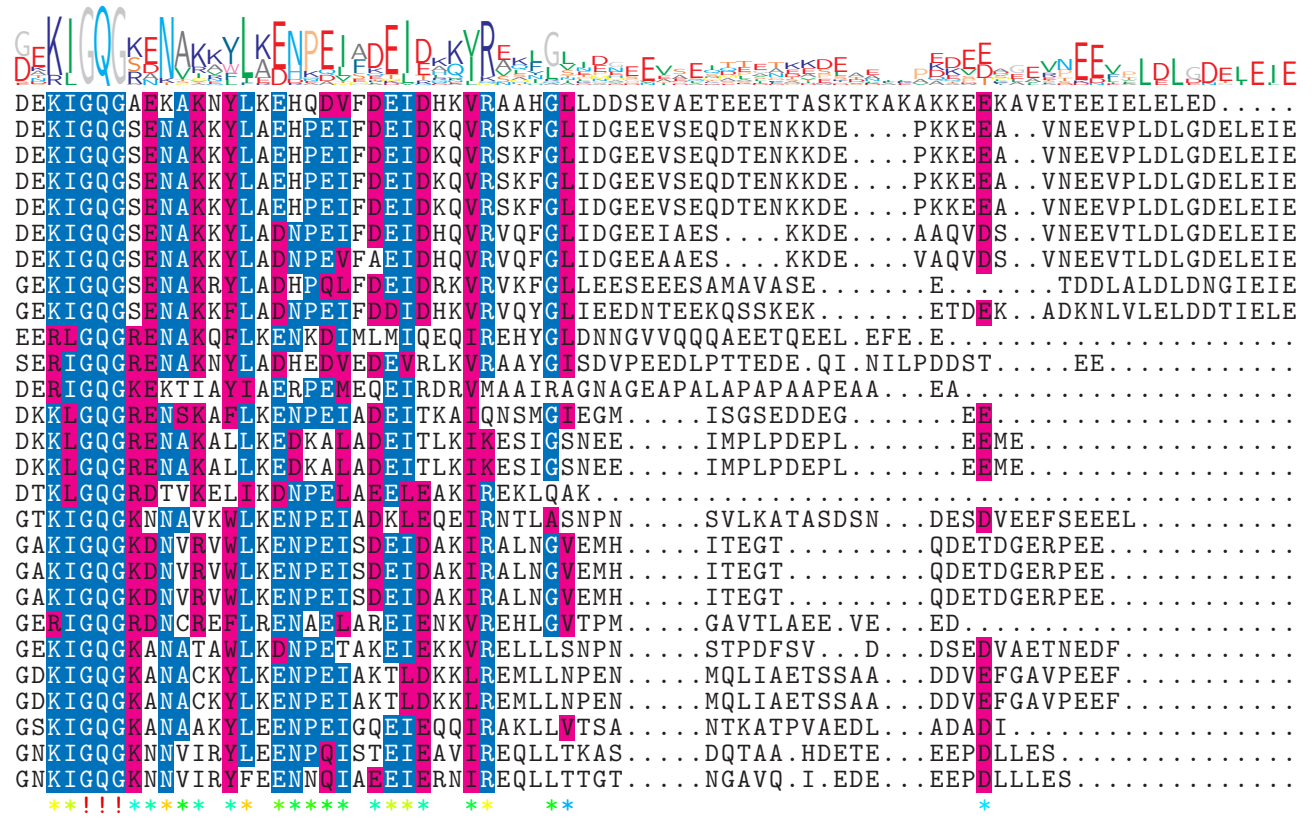
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK....TNFDDITKKYGAERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP....KKLEEISKKFGEAREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKP....KKLEEISKKFGEAREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP....KKLEEISKKFGEAREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP....KKLEEISKKFGEAREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKKP....KKLDEISKKFGEAREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP....KKLDEISKKFGEAREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR		73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL....KKNEEITKKFGERDKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR		73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRI....KKTEEITKKFGERDKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR		73
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQFGKGSIMKLG	EK.TDTRISTVPSGSLALDI	TALGIGGYPKGR			58
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRM	GEEK.VDTQVSTVSSGSLALDE	ALGVGGYPKGR			60
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKATETAMSQ	IEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLD	ALGVGGIPKGR			72
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKTFGKGTILRLGDK.EVEQIDS	IGTGSVGLDLALGIGGVPKGR			59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQIDKVF	FGKGAIVRLGDK.QVEKIDAISTGSLGLDL	ALGIGGVPKGR			61
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQIDKVF	FGKGAIVRLGDK.QVEKIDSISTGSLGLDL	ALGIGGVPKGR			61
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPNDDKKKALAAVLEK	LDKTYGKGTVMKLGDTVDHNI	IEVIPSGSLGLDLALGVGGYPKGR			68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSNNNTV.VKQVEPEQKKQALEA	AALQIEKQFGKGSIMKLGQT.EQLDIES	VSTGSLGLDLALGIGGLPKGR			76
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALQIEKSFGKGA	IMKMDGSQREENLEVISTGSLGLDL	ALGVGGLPKGR			60
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALQIEKSFGKGA	IMKMDGSQREENLEVISTGSLGLDL	ALGVGGLPKGR			60
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALQIEKSFGKGA	IMKMDGSQREENLEVISTGSLGLDL	ALGVGGLPKGR			60
NTDB id 1427 RS RS02760 WP 011000510.1	.MED.....GK..KAASMSAEKQKALAA	AALQIEKQFGKGSIMKMGDA.EVEPVQV	VSTGSLGLDVALGVGGLPKGR			68
NTDB id 79193 JL003 RS16130 WP 000963141.1	.....MAIDENKQKALAAALQIEKQFGKGS	IMRLGED.RSMDVETISTGSLSLDI	ALGAGGLPKGR			61
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALQIEKQFGKGS	IMRLGDN.RAMDVETISTGSLSLDI	ALGAGGLPKGR			59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALQIEKQFGKGS	IMRLGDN.RAMDVETISTGSLSLDI	ALGAGGLPKGR			59
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDENKQRALAAALQIEKQFGKGA	VMRMGDH.DRQAIPSI	STGSLGLDI	ALGIGGLPKGR		59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDNKS	KALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAV	STGSLTLDI	ALGIGGLPKGR		59
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDENKSKALQAALSQIEKQFGKNT	VMRLGDN.TVQAVEAV	STGSLTLDI	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 499 SM12261 RS08315 WP 078228268.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 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
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 NTDB id 1211 C694 RS00795 WP 000963128.1
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 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
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 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 79193 JL003 RS16130 WP 000963141.1
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 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1205 PSJM300 05545 AFN77183.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
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 consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 408 SMU RS09530 WP 002262392.1	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
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	...	348
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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