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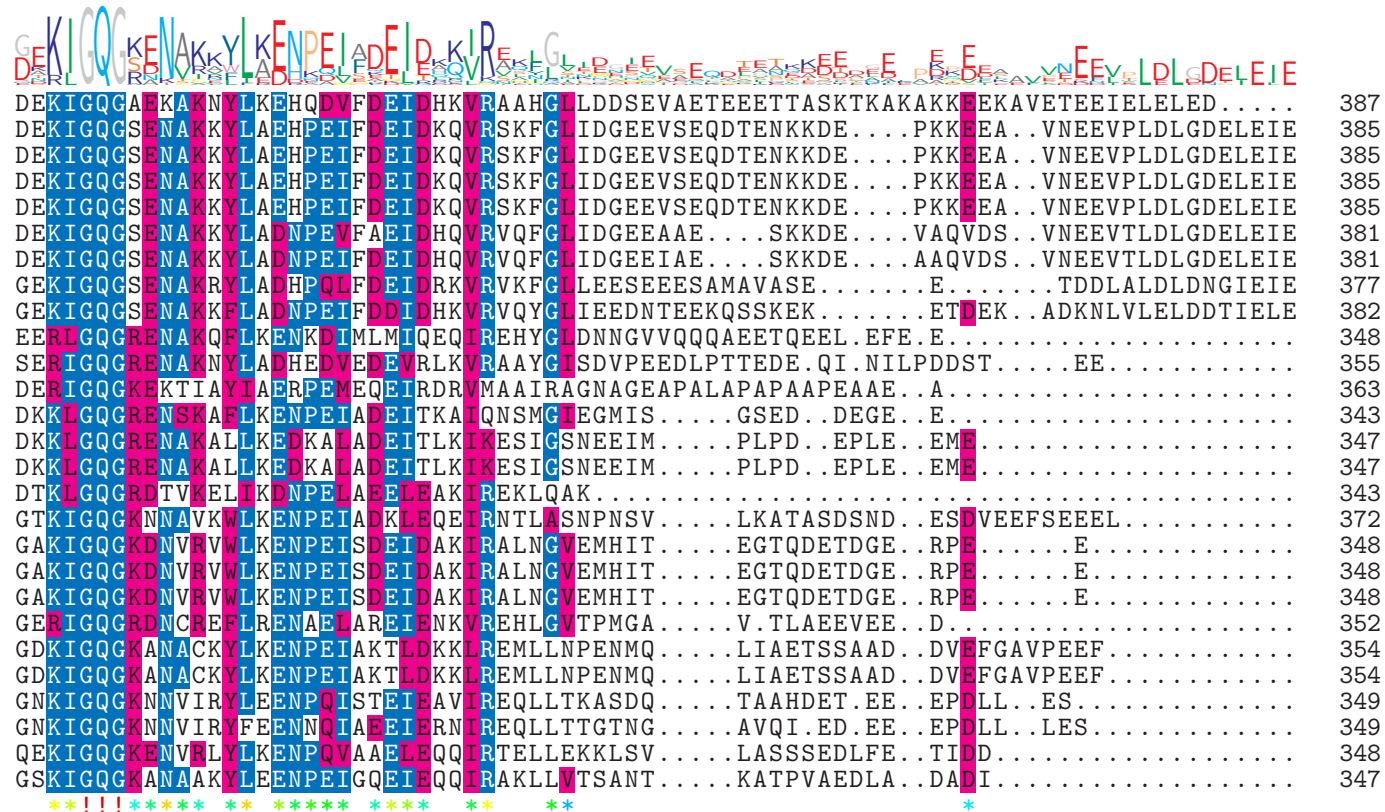


NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGAERDKALADALALIEKD	FGKGSIMRLGERAE	.QKVS	VSSGSLALDI	ALGAGGYPKGR	74		
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLI	IEKDFGKGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLI	IEKDFGKGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLI	IEKDFGKGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGE	EREKALNDALKLI	IEKDFGKGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLDEISKKFGE	EREKALNDALKLI	IEKDFGKGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGE	EREKALNDALKLI	IEKDFGKGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGE	DERRKALDDALKN	IEKDFGKGAVMRLGERAE	.QKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFGE	DERRKALDDALKN	IEKDFGKGAVMRLGERAE	.QKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQ	IEKQFGKGSIMKLG	EKTD	.TRISTVPSGSLALDI	TALGIGGYPRGR	58	
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKK	IEKNFGKGSIMRMG	EKVD	.TQVSTVSSGSLALDE	ALGVGGYPRGR	60	
NTDB id 1313 DR RS12030 WP 010888966.1MSKDATKEISAPTD	AKERSKATETAM	QIEKAFGKGSIMKLG	AESK	.LDVQVVSTGSLSLDL	ALGVGGIPRGR	72	
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKTFGKGTILRLG	DEK	.EQIDSIGTGSVGLDL	ALGIGGVPKGR	59	
NTDB id 1214 NCTC11637 00359 SQJ03206.1MAIDEDKQKATISLA	IKQIDKVF	FGKGA	LVRLGDKQV	.EKIDAISTGSLGLDL	ALGIGGVPKGR	61	
NTDB id 1211 C694 RS00795 WP 000963128.1MAIDEDKQKATISLA	IKQIDKVF	FGKGA	LVRLGDKQV	.EKIDSISTGSLGLDL	ALGIGGVPKGR	61	
NTDB id 1334 RAOC RS04870 WP 004918236.1MAKT..ETTSPN	DDKKKALAAVLEK	LDKTYGKGTVMKLG	DGTVDHNI	IEVIPSGSLGLDL	ALGVGGYPKGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS	SKNNTV.VKQVEP	EQKKQALEAALA	QIEKQFGKGSIMKLG	QTEQ	.LDIESVSTGSLGLDL	ALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1MSDDKSKALAAALA	QIEKSFGKGA	AIMKMDGSQ	QEEENLEV	.ISTGSLGLDL	ALGVGGLPRGR	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1MSDDKSKALAAALA	QIEKSFGKGA	AIMKMDGSQ	QEEENLEV	.ISTGSLGLDL	ALGVGGLPRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1MSDDKSKALAAALA	QIEKSFGKGA	AIMKMDGSQ	QEEENLEV	.ISTGSLGLDL	ALGVGGLPRGR	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMS	AEKQKALAAALA	QIEKQFGKGSIMKMG	DAEV	.EPVQVVSTGSLGLD	VALGVGGLPRGR	68	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALG	QIEKQFGKGSIMRLG	DNRA	.MDVETISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALG	QIEKQFGKGSIMRLG	DNRA	.MDVETISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSKALQAALS	QIEKQFGKNTVMRLG	DNNTV	.QAVEAVSTGSLTLDI	ALGIGGLPKGR	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALS	QIEKQFGKNTVMRLG	DNNTV	.QAVEAVSTGSLTLDI	ALGIGGLPKGR	59	
NTDB id 229673 CA921 RS08610 WP 010947527.1	.....MEENKQKALSAALS	QIERQFGKGSVMRMG	DSTVSRD	IEAISTGSLGLDI	ALGIGGLPKGR	60	
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKRRALAAALG	QIEKQFGKGAVMRMG	DHDR	.QAIPSI	ISTGSLGLDI	ALGIGGLPKGR	59	
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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
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 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
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 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
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 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 229673 CA921 RS08610 WP 010947527.1
 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	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 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
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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
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354
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consensus

 non conserved
 similar
 ≥ 50% conserved