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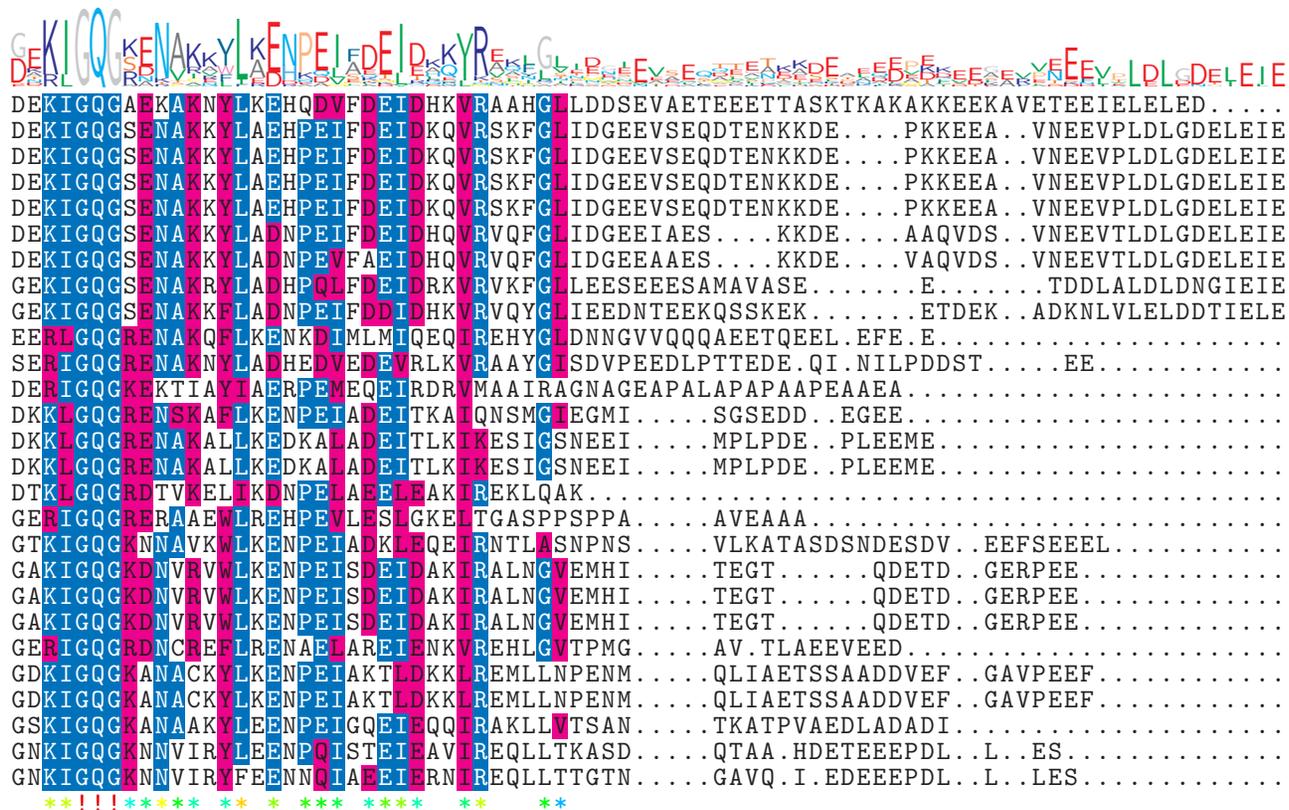


NTDB id 600 KW2 RS01765 WP 011675413.1	MATK....KKTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74			
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73				
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73				
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73				
NTDB id 159 SP RS09750 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73				
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK....KPKKLDEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK....KPKKLDEISKKFGA	EREKALNDALKLI	IEKDFGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73				
NTDB id 453 Spy49 1753c ACI62003.1	.MAK....KLKKNEEITKKFGD	ERRKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73				
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK....RIKKTEEITKKFGD	ERRKALDDALKN	IEKDFGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73				
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQ	IEKQFGKGSIMKLG	EK.TDTR	ISTVPSGSLALDI	TALGIGGYPRGR	58			
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKK	IEKNFGKGSIMRM	GEEK.VDTQVSTVSSGSLALDE	ALGVGGYPRGR	60				
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAM	SQIEKAFGKGSIMKLGAE	.SKLDVQVVSTGSLSLDL	ALGVGGIPRGR	72			
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDNKRKSLDAALKS	LDKTFGKGTILRL	GDK.EVEQ	IDSIGTGSVGLDL	ALGIGGVPKGR	59			
NTDB id 1211 C694 RS00795 WP 000963128.1MAIDEDKQKATISLAIKQ	IDKVF	FGKGA	LVR	LGDK.QVEK	IDSISTGSLGLDL	ALGIGGVPKGR	61		
NTDB id 1214 NCTC11637 00359 SQJ03206.1MAIDEDKQKATISLAIKQ	IDKVF	FGKGA	LVR	LGDK.QVEK	IDSISTGSLGLDL	ALGIGGVPKGR	61		
NTDB id 1334 RAOC RS04870 WP 004918236.1MAK..TETTSPND	DKKALA	AAVLEKLDKT	YGKGTVMKLG	DGTVDHNI	IEVIPSGSLGLDL	ALGVGGYPKGR	68		
NTDB id 41575 LILAB RS01500 WP 013935411.1MSKLA	EKLK	AVAAVASIEKQ	FGRG	SVMTLGG	EAREQKVAVIPTGSVGVDR	ALGVGGYPRGR	62		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS	SKNNT.VVKQ	VEPEQKQ	QALEA	AAALQIEKQ	FGKGSIMKLGQT	.EQLD	TESVSTGSLGLDL	ALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1MSDDKSKALAAALQ	IEKS	FGKGA	IMKMDGSQ	QEE	NEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1124 NGFG RS03960 WP 003688695.1MSDDKSKALAAALQ	IEKS	FGKGA	IMKMDGSQ	QEE	NEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1123 OK783 RS03845 WP 003688695.1MSDDKSKALAAALQ	IEKS	FGKGA	IMKMDGSQ	QEE	NEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....KKAASMSA	EKQK	ALAAALQIEKQ	FGKGSIMKMGDA	.EVEPVQVVSTGSLGLD	VALGVGGLPRGR	68			
NTDB id 1165 A1552VC RS01565 WP 000344154.1MDENKQKALAAALGQ	IEKQ	FGKGSIMRLGDN	.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59			
NTDB id 1142 GTF74 RS11550 WP 000344154.1MDENKQKALAAALGQ	IEKQ	FGKGSIMRLGDN	.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59			
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKKRALAAALGQ	IEKQ	FGKGA	VMRMDH.DRQA	IP	ISTGSLGLDI	ALGIGGLPKGR	59		
NTDB id 1022 ACIAD RS06390 WP 004925639.1MDDNKS	KALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLT	LDI	ALGIGGLPKGR	59			
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDENKS	KALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLT	LDI	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 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
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 41575 LILAB RS01500 WP 013935411.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
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 NTDB id 1427 RS RS02760 WP 011000510.1
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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
 NTDB id 1074 ABD1 RS10195 WP 000344167.1

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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 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
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NTDB id 1334 RAOC RS04870 WP 004918236.1	...	343
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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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consensus

 non conserved
 similar
 ≥ 50% conserved