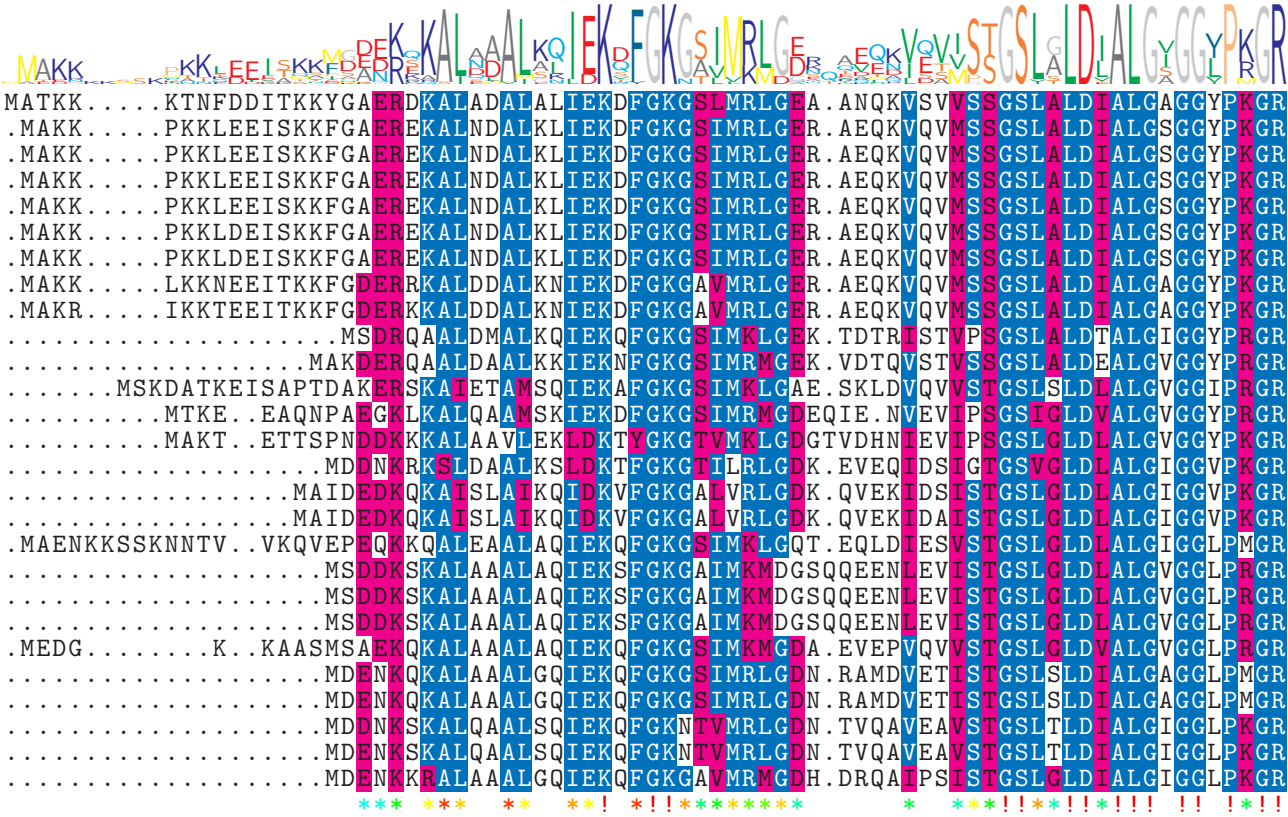


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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
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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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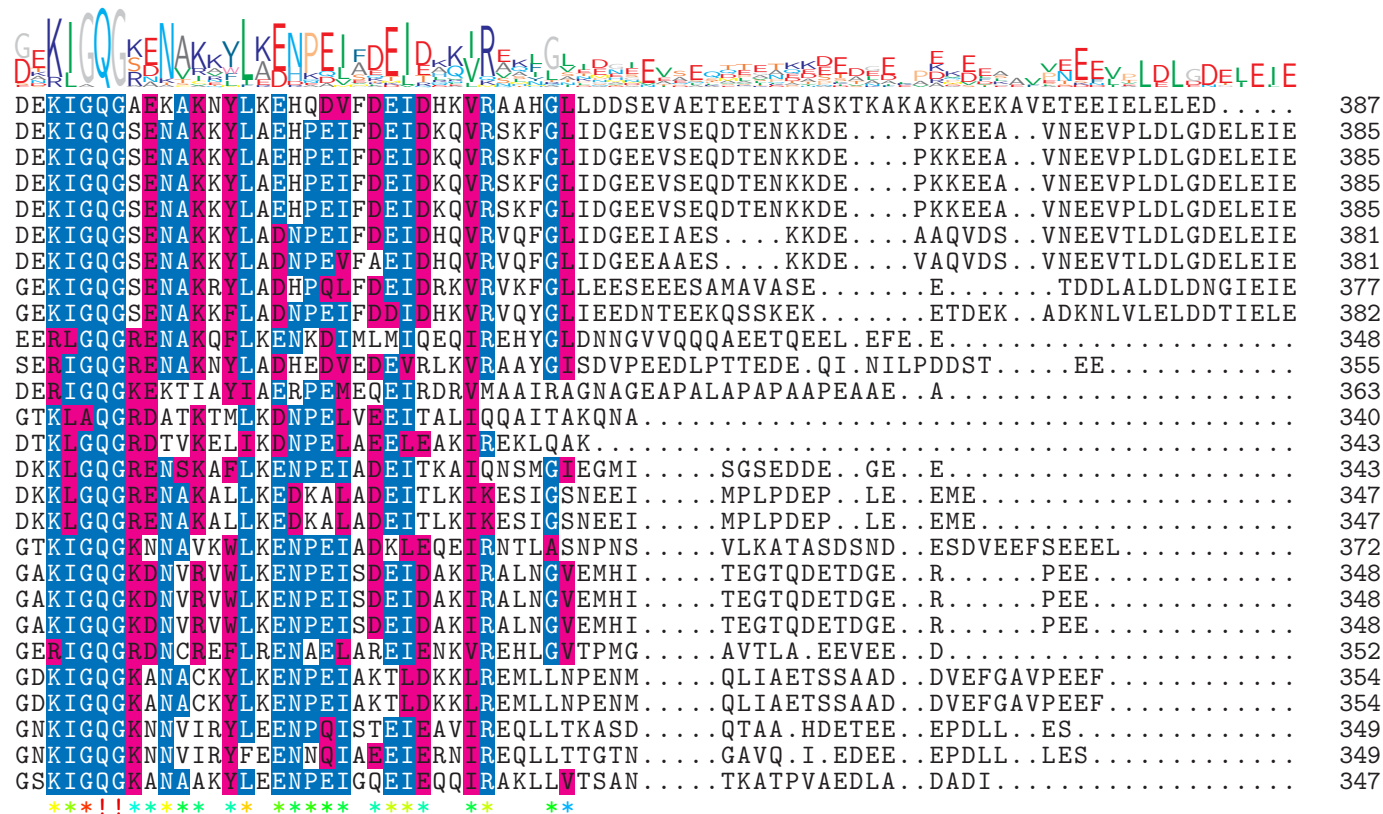
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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGI	IKKKS	GAWFAYN	312					
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EA	AVVEIMY	GEGISKTGELLKIASDL	DI	IKKAGAWYSYK	311	
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EA	AVVEIMY	GEGISKTGELLKIASDL	DI	IKKAGAWYSYK	311	
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EA	AVVEIMY	GEGISKTGELLKIASDL	DI	IKKAGAWYSYK	311	
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EA	AVVEIMY	GEGISKTGELLKIASDL	DI	IKKAGAWYSYK	311	
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFK	EA	FVEIMY	GEGISKTGELLKIASDL	DI	IKKAGAWYSYK	311	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFK	EA	FVEIMY	GEGISKTGELLKIASDL	DI	IKKAGAWYSYK	311	
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDS	IGKETKIKVVKNKVAPPFK	VAEVEIMY	GEGISRTGELVKIASDL	DI	IKKAGAWFSYN	311		
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSN	IGKETKIKVVKNKVAPPFK	EA	FVEI	IY	GEGISRTGELVKIASDL	GI	IKKAGAWYSYN	311
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....	DVMGNKTKIKVVKNKVAPPFR	TAEVDIMY	GEGISKEGEI	ID	LGTEL	DI	VQKSGSWYSYE	292
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT.....	DMIGNRARIKVVKNKVAPPFK	VAEVDIMY	GQGISRTGELVDM	AVEKDI	INKSGSWYSYG	294		
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQP....TKVGND	AVANTVKIKTVKNKVAAPFKE	VELALVYGKGF	QDLS	DLVGLA	ADMDI	IKKAGSFYSYG	307	
NTDB id 214747 BWX39 RS08025 WP 028905427.1	SVRLDIRRVTSI.....KDG	DNVIGNQVRVKVVKNKVAPPFR	KVEFDILF	GEGISKVGEILD	LGVEYN	II	QKSGSWFSYG	301	
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEV	IGNRTKVKVVKNKVAPPFK	SAEFDIMY	GEGVSKVGEILD	VATDLD	II	QKSGSWFSYQ	307	
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVATL.....KQN	EEPIGNRVKVKVVKNKVAPPFR	QAEFDMF	GEGLSREGELIDY	GVKLD	DI	VDKSGAWFSYK	294	
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIIAL.....KQN	EQHIGNRAKAKVVKNKVAPPFR	EAEFDMF	GEGISKEGEI	IDY	GVKLD	DI	VDKSGAWLSYQ	296
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGVV.....KDG	DEIIGSETKVKVVKNKVAPPFR	EVQFDIMY	GEGISRMNELLILA	EANGFI	IKKSGAWFSYD	310		
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NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGSI.....KKG	EEVLGNETRKKVKNKVAPPFR	QAEFDILY	GEGISWEGELID	IGVKN	DI	INKSGAWYSYN	294	
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGSI.....KKG	DEVVGNETKVKVVKNKVAPPFR	EAI	FDILY	GAGVSREGEI	ID	LGVEAKVVEKSGAWYSYN	302	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGAI.....KEG	EEVVGNETRIKVVKNKIAAPFKE	ANTQIMY	GQGFNREGELID	LGVKHKM	VVEKSGAWYSYN	293		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGAI.....KEG	EEVVGNETRIKVVKNKIAAPFKE	ANTQIMY	GQGFNREGELID	LGVKHKM	VVEKSGAWYSYN	293		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQV.....KEG	DEIVGSETKVKVVKNKMAPPFR	EAI	FIQILY	GKGVNQLGELVD	LAVQQN	IVQKAGAWYSYQ	293	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQV.....KEG	DEIVGSETKVKVVKNKMAPPFR	EAI	FIQILY	GKGVNQLGELVD	LAVQQN	IVQKAGAWYSYQ	293	
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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
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consensus



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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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consensus

 non conserved
 similar
 ≥ 50% conserved