

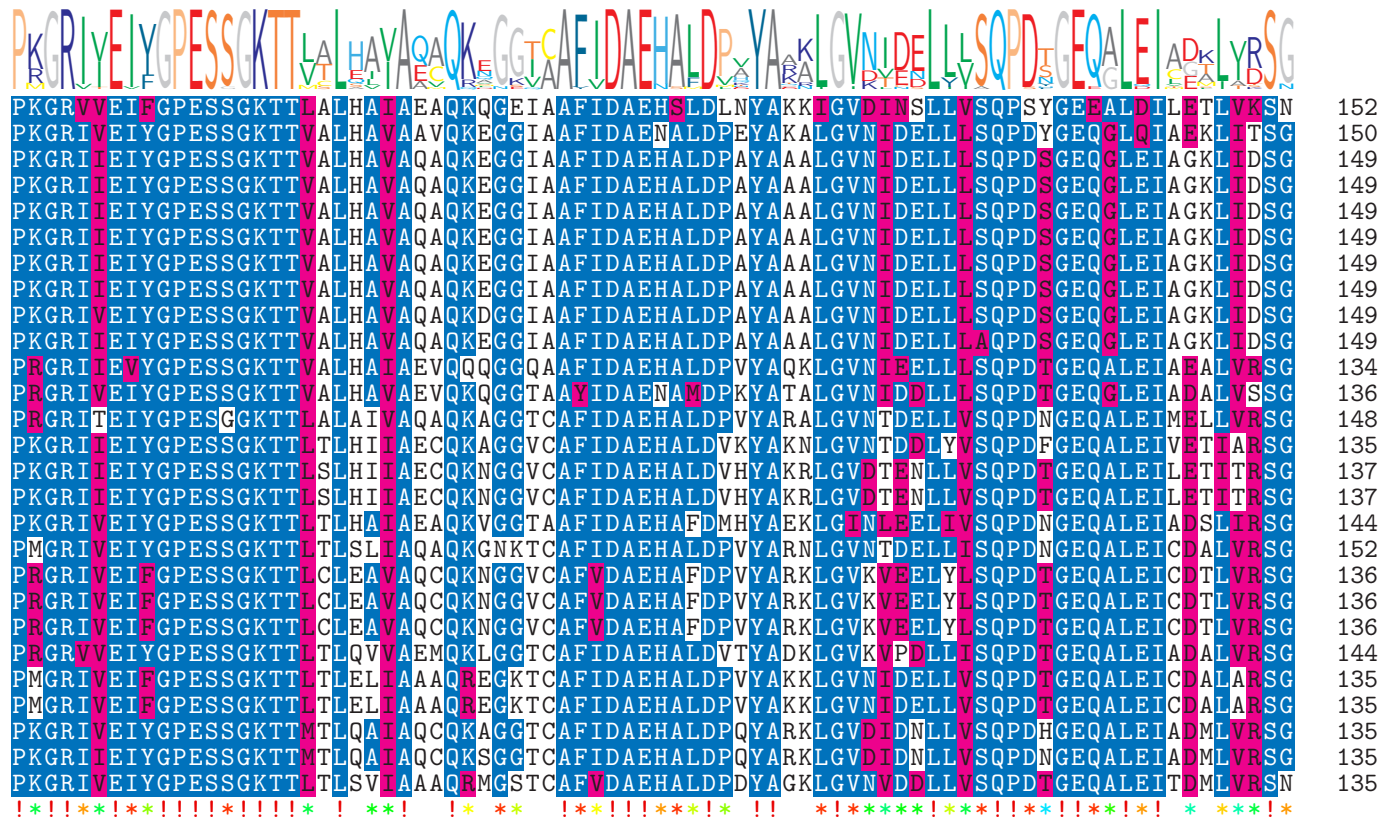
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NTDB id 240169 CG009 RS01055 WP 097351069.1	MSNSKIVEGASKTMSSKNEIW	KNEALIS	ALKT	IEKN	YGKEA	LVVYN	E	G	DDIDHDV	ISSGS	FL	IDQA	IGIGGY	72		
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDIT....KKYGA	ERDK	KALAD	ALAL	IEKD	FGKG	SLMRL	GEA	.ANQK	VSV	VSSGS	LALD	I	ALGAGGY	70	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEIS....KKFGA	EREK	KALND	ALKL	IEKD	FGKG	SIMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGSGGY	69	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEIS....KKFGA	EREK	KALND	ALKL	IEKD	FGKG	SIMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGSGGY	69	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEIS....KKFGA	EREK	KALND	ALKL	IEKD	FGKG	SIMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGSGGY	69	
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEIS....KKFGA	EREK	KALND	ALKL	IEKD	FGKG	SIMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGSGGY	69	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEIS....KKFGA	EREK	KALND	ALKL	IEKD	FGKG	SIMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGSGGY	69	
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEIS....KKFGA	EREK	KALND	ALKL	IEKD	FGKG	SIMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGSGGY	69	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEIT....KKFGD	ERKK	KALDD	ALKN	IEKD	FGKG	AVMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGAGGY	69	
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEIT....KKFGD	ERRK	KALDD	ALKN	IEKD	FGKG	AVMRL	GER	.AEQK	VQVM	MSSGS	LALD	I	ALGAGGY	69	
NTDB id 115 BSU 16940 NP 389576.2	MS	DRQA	AALD	MAL	KQ	IEKQ	FGKG	SIMKL	GEK	.TDTR	ISTV	PSGS	LALD	I	TALGIGGY	54
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQA	AALDA	ALKK	IEKN	FGKG	SIMRM	GEK	.VDTQ	VSTV	VSSGS	LALDE	I	ALGVGGY	56	
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISA....PTDAK	ERSK	ATET	AMSQ	IEKA	FGKG	SIMKL	GAE	.SKLD	VQVV	STGS	LSLD	I	LALGVGGI	68	
NTDB id 1245 Cj1673c YP 002345041.1	MDDN	KRK	SLDA	ALKS	LDKT	FGKG	TILRL	GDK	.EVEQ	IDS	IGTGS	VGLDL	I	ALGIGGV	55	
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDE	DKQK	ATISL	AIKQ	IDKV	FGKGA	LVR	LGDK	.QVEK	IDS	ISTGS	LGLDL	I	ALGIGGV	57	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDE	DKQK	ATISL	AIKQ	IDKV	FGKGA	LVR	LGDK	.QVEK	IDA	ISTGS	LGLDL	I	ALGIGGV	57	
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ET....TSPND	DKKK	KALAAV	LEK	LDKT	YGKG	TVMKL	LGDTVD	HNIEV	IPSG	SLGLDL	I	ALGVGGY	64		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VK....QVEPEQ	KKQ	ALEA	AALAQ	IEKQ	FGKG	SIMKL	GQT	.EQLD	IESV	STGS	LGLDL	I	ALGIGGL	72	
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSD	DKS	KALAA	AALAQ	IEKS	FGKGA	IMKMD	GSQ	REEN	LEV	ISTGS	LGLDL	I	ALGVGGL	56	
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NTDB id 1123 OK783 RS03845 WP 003688695.1	MSD	DKS	KALAA	AALAQ	IEKS	FGKGA	IMKMD	GSQ	REEN	LEV	ISTGS	LGLDL	I	ALGVGGL	56	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KA....ASMSA	EKQ	KALAA	AALAQ	IEKQ	FGKG	SIMK	MGDA	.EVEP	VQVV	STGS	LGLD	I	VALGVGGL	64	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDN	KSK	ALQA	ALSQ	IEKQ	FGKN	TVMRL	GDN	.TVQ	AVEAV	STGS	SLTLD	I	I	ALGIGGL	55
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDEN	KSK	ALQA	ALSQ	IEKQ	FGKN	TVMRL	GDN	.TVQ	AVEAV	STGS	SLTLD	I	I	ALGIGGL	55
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consensus		***	***	*	***	***	***	***	***	*	***	***	***	***	***	

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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 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
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
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consensus

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AVD	LYW	DS	VAAL	Y	PKAEI	E	EG	MD	GS	H	GL	QAR	MS	QAL	RKL	TG	S	INK	TNT	L	V	F	INQ	R	K	I	G	M	E	GN	P	ETT	T	G	G	NAL																																							
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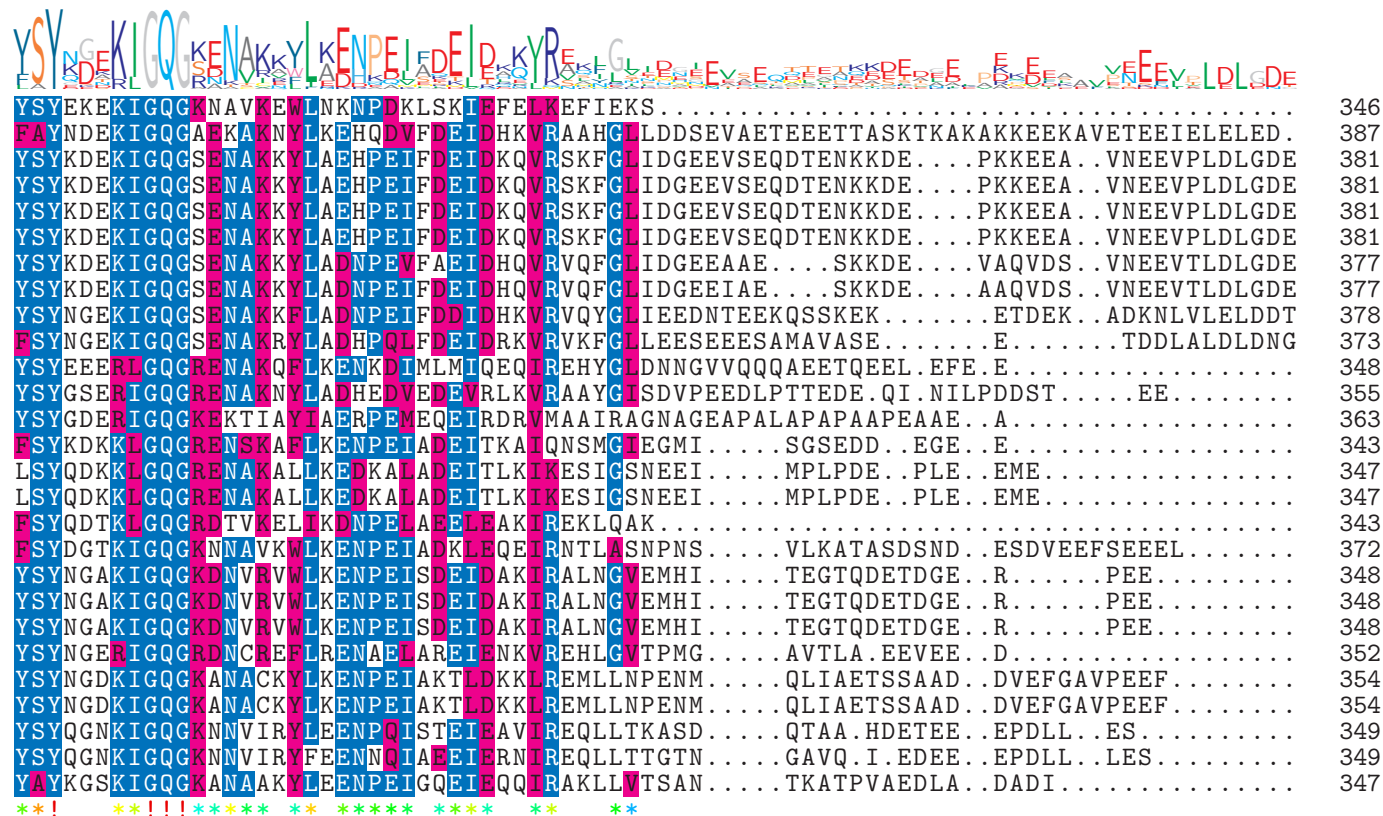
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NTDB id 269 KZH43 RS08665 WP 001085462.1	KFYASVRLD	VRGNTQIKGTG	.DQKETN	VGKETK	IKVVKNK	VAPPFK	KEAVV	EIMY	GEGIS	KTGEL	LKIAS	SDL	DI	IKKAGAW	307		
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NTDB id 159 SP RS09750 WP 001085462.1	KFYASVRLD	VRGNTQIKGTG	.DQKETN	VGKETK	IKVVKNK	VAPPFK	KEAVV	EIMY	GEGIS	KTGEL	LKIAS	SDL	DI	IKKAGAW	307		
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NTDB id 499 SM12261 RS08315 WP 078228268.1	KFYASVRLD	VRGSTQIKGTG	.DQKDTN	VGKETK	IKVVKNK	VAPPFK	KEAFV	EIMY	GEGIS	KTGEL	LKIAS	SDL	DI	IKKAGAW	307		
NTDB id 408 SMU RS09530 WP 002262392.1	KFYSSVRLD	VRGNTQIKGTG	.EQKDSN	IGKETK	IKVVKNK	VAPPFK	KEAFV	EIIY	GEGIS	RTGEL	VKIAS	DLGI	IQKAGAW	307			
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	KFYASVRLD	IRRCGV		V.KDGD	DEI	IGSETK	VVVKNK	VAPPF	REVQF	DIMY	GEGIS	RMNELL	ILAEANG	FIKKSGAW	306		
NTDB id 1130 NGFG RS03960 WP 003688695.1	KFYSSVRLD	IRRTGS		I.KKGE	EEV	LGNETRV	KVI	KNKVAPP	FRQAEF	DILY	GEGIS	WE	GELID	IGVKNDI	INKSGAW	290	
NTDB id 1124 NGFG RS03960 WP 003688695.1	KFYSSVRLD	IRRTGS		I.KKGE	EEV	LGNETRV	KVI	KNKVAPP	FRQAEF	DILY	GEGIS	WE	GELID	IGVKNDI	INKSGAW	290	
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consensus	!!*****!***!*				*	**	*****!*****!*****!*	*	*****!*****	*****	***	***	***	!***			

logo

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consensus



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NTDB id 1124 NGFG RS03960 WP 003688695.1		348
NTDB id 1123 OK783 RS03845 WP 003688695.1		348
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		

-  non conserved
-  similar
-  ≥ 50% conserved