

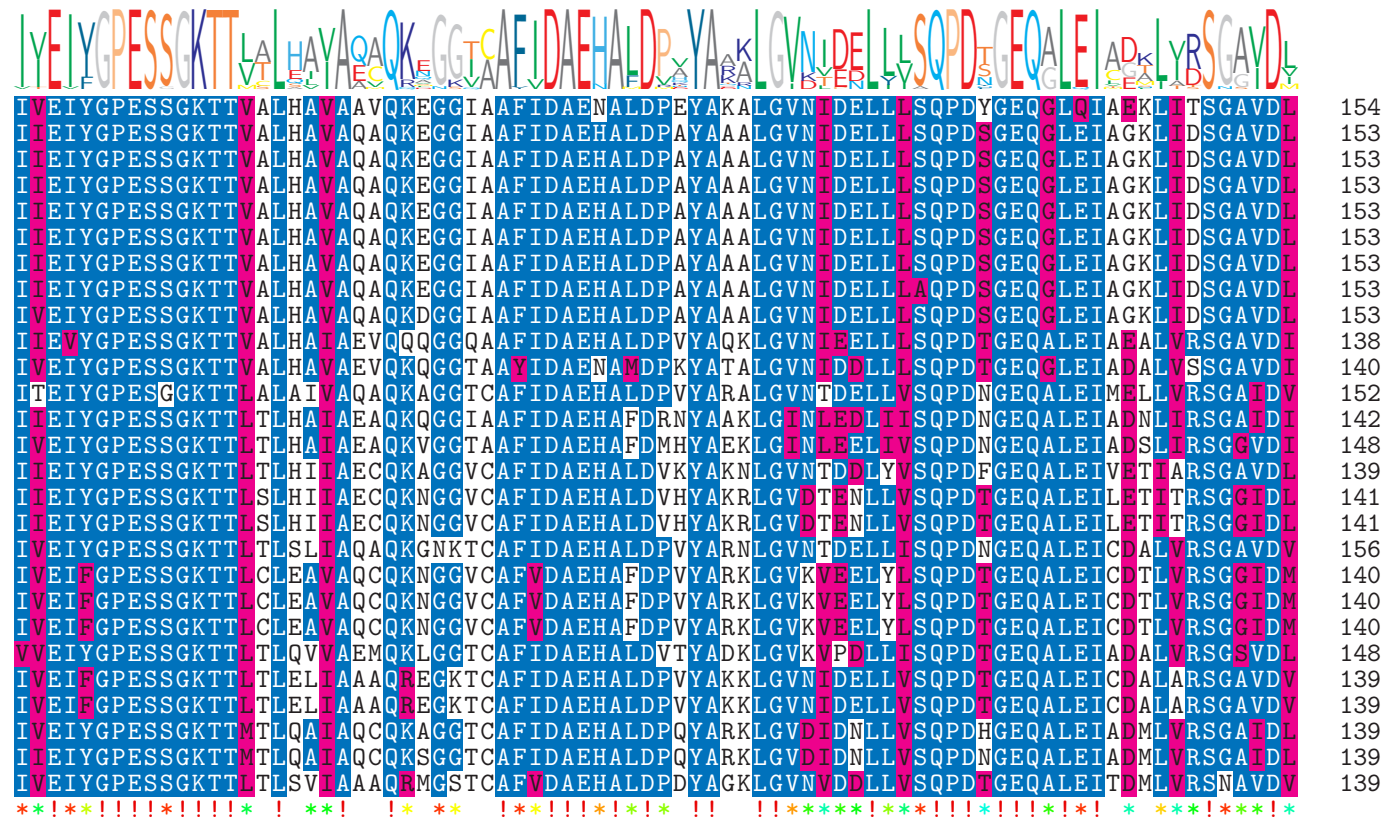
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGA	ERD	KAL	AD	AL	AL	IEKD	FGKGS	SLMRLGE	A	ANQKV	SVSV	VSSGSL	ALD	I	ALGAGGY	PKGR	74	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGSGGY	PKGR	73		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGSGGY	PKGR	73		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGSGGY	PKGR	73		
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGSGGY	PKGR	73		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGSGGY	PKGR	73		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGSGGY	PKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFG	DERR	KAL	DD	AL	KN	IEKD	FGKGA	V	MRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGAGGY	PKGR	73	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFG	DER	R	KAL	DD	AL	KN	IEKD	FGKGA	V	MRLGER	.AEQKV	VQVM	MSSGSL	ALD	I	ALGAGGY	PKGR	73
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NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKK	IEKN	F	GKGS	SIMRMGEK	.VDTQ	VSTV	SSGSL	ALDE	ALGV	GGY	PRGR					60		
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NTDB id 99601 AL492 RS04320 WP 009084978.1	MSNTDDKKKALALVLEK	LDKT	YGKGT	VMTLGE	EDSV	DHSIE	EVIP	SGSL	GLDL	ALGV	GGY	PKGR					62		
NTDB id 1334 RAO RS04870 WP 004918236.1	MAKT.ETTSPNDDKKKALA	AVLEK	LDKT	YGKGT	VMTLGE	DGTV	DHNI	EVIP	SGSL	GLDL	ALGV	GGY	PKGR				68		
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKS	LDKT	FGKGT	TILRLGDK	EVEQ	IDS	IGTGS	VGLDL	ALGI	GGV	PKGR						59		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKAISLA	IKQ	IDKV	FGKGAL	VRLGDK	QVEK	IDA	ISTG	SLGLDL	ALGI	GGV	PKGR					61		
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKAISLA	IKQ	IDKV	FGKGAL	VRLGDK	QVEK	IDS	ISTG	SLGLDL	ALGI	GGV	PKGR					61		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV.VKQVEP	EQKKQ	ALEA	AALAQ	IEKQ	F	GKGS	SIM	KLQGT	.EQLD	IESV	STG	SLGLDL	ALGI	IGGL	PMGR	76		
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKS	KALAAALAQ	IEKS	F	GKGAIM	KMDGS	Q	Q	EENLE	VIST	G	SLGLDL	ALG	V	GGL	PRGR	60		
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKS	KALAAALAQ	IEKS	F	GKGAIM	KMDGS	Q	Q	EENLE	VIST	G	SLGLDL	ALG	V	GGL	PRGR	60		
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKS	KALAAALAQ	IEKS	F	GKGAIM	KMDGS	Q	Q	EENLE	VIST	G	SLGLDL	ALG	V	GGL	PRGR	60		
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K.KAASMSAEKQ	KALAAALAQ	IEKQ	F	GKGS	SIM	KMGDA	.EVEP	VQV	VSTG	SLGLD	VALG	V	GGL	PRGR	68			
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQ	KALAAALGQ	IEKQ	F	GKGS	SIM	RLGDN	.RAMD	VET	ISTG	SLSLD	I	ALG	AGGL	PMGR	59			
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQ	KALAAALGQ	IEKQ	F	GKGS	SIM	RLGDN	.RAMD	VET	ISTG	SLSLD	I	ALG	AGGL	PMGR	59			
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consensus	***	***	**	***	***	*****	*	*****	*	*****	***	***	***	***	***	***			

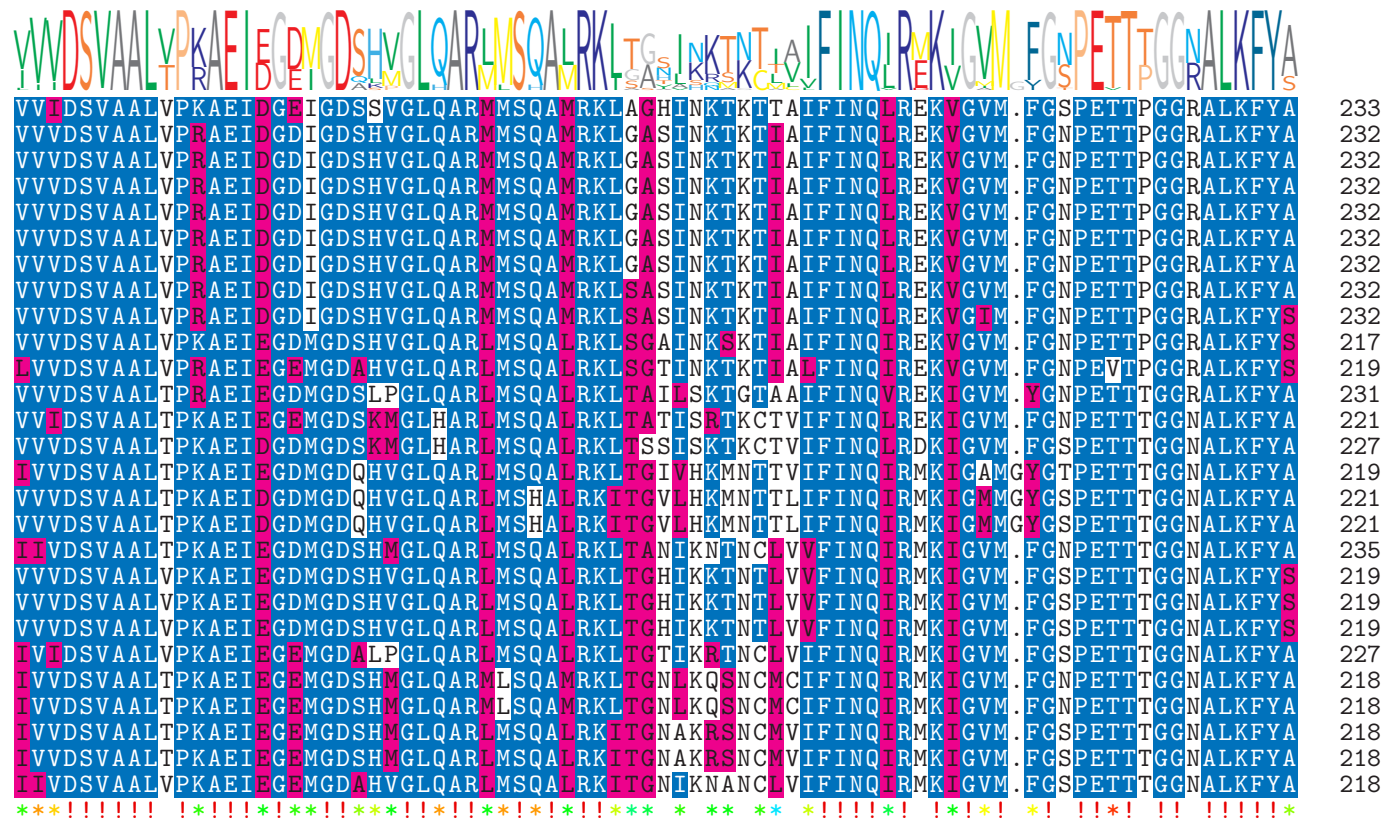
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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
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NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 99601 AL492 RS04320 WP 009084978.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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consensus



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NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EA	AVVEIMYGGISKTGELLKIASDL	DI	IKKAGAWYSYK	311			
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EA	AVVEIMYGGISKTGELLKIASDL	DI	IKKAGAWYSYK	311			
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGVV.....KDGDEI	IGSETKVVVKNKVAPPFR	EVQFDIMYGGISRMNELL	ILAEANGFI	KKSGAWFSYD	310				
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consensus	*!!**!* *	*	*	**	*****!!*!!*!!*!!* *	*****!!*!!*!!*!!*!!*	*****!!*!!*!!*!!*	*****!!*!!*!!*!!*	*****!!*!!*!!*!!*	

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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
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NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
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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