

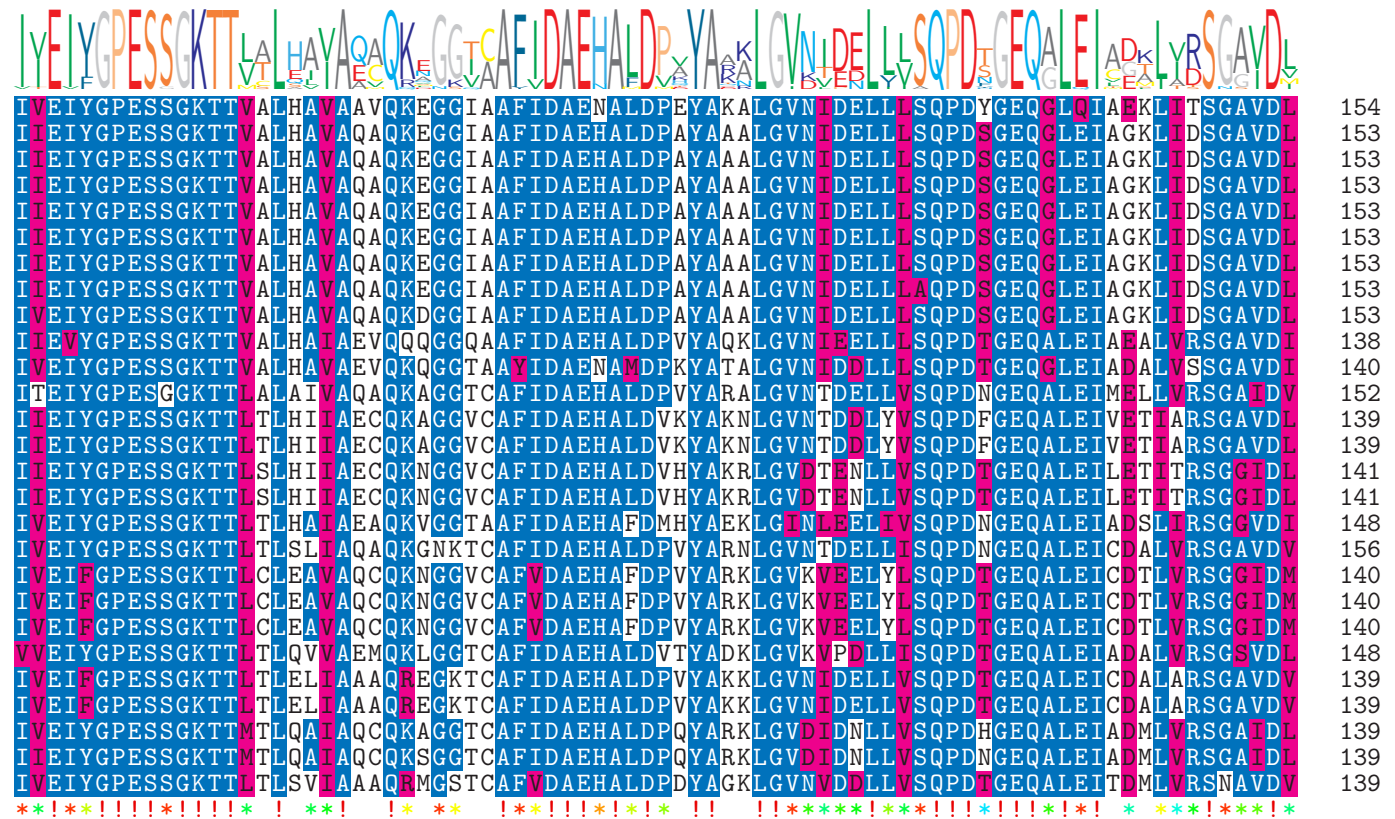
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGA	ERD	KAL	AD	AL	AL	IEKD	FGKGS	SLMR	LG	E	A	.ANQKVSVVSSGSLALD	I	ALGAGGY	PKGR	74												
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NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFG	DERR	KAL	DD	AL	KN	IEKD	FGKGA	VMR	LG	ER	.AEQKVQVMSSGSLALD	I	ALGAGGY	PKGR	73													
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFG	DER	R	KAL	DD	AL	KN	IEKD	FGKGA	VMR	LG	ER	.AEQKVQVMSSGSLALD	I	ALGAGGY	PKGR	73												
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NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKK	IEK	N	FGKGS	SIMR	M	GEK	.VDTQV	STV	SSG	SLAL	DEAL	GV	GGY	P	RGR	60												
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NTDB id 45891 CJM1 RS08055 WP 002851424.1	MDDNKRKSLDAALKS	LD	KT	FGKGT	IL	RL	GDK	.EVEQ	IDS	IGT	GS	VGLDL	AL	GIGG	V	PKGR	59												
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKS	LD	KT	FGKGT	IL	RL	GDK	.EVEQ	IDS	IGT	GS	VGLDL	AL	GIGG	V	PKGR	59												
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATISLA	IKQ	ID	KV	FGKGA	L	VRL	GDK	.QVEK	IDA	IST	G	SLGLDL	AL	GIGG	V	PKGR	61											
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPN	DD	KK	KALAA	V	LEK	LD	KT	Y	GKGT	VM	KL	G	D	GTVDH	NIEV	IP	SGSLGLDLALGVGGY	PKGR	68									
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NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKS	KALAA	A	L	A	L	A	Q	IEKS	FGKGA	IM	K	M	D	G	S	Q	Q	EEN	LEV	IST	G	SLGLDLALGVGGL	P	RGR	60			
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKS	KALAA	A	L	A	L	A	Q	IEKS	FGKGA	IM	K	M	D	G	S	Q	Q	EEN	LEV	IST	G	SLGLDLALGVGGL	P	RGR	60			
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKS	KALAA	A	L	A	L	A	Q	IEKS	FGKGA	IM	K	M	D	G	S	Q	Q	EEN	LEV	IST	G	SLGLDLALGVGGL	P	RGR	60			
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	E	K	Q	KALAA	A	L	A	L	A	Q	IEK	Q	FGKGS	IM	K	M	G	D	A	.EVEP	VQVV	ST	G	SLGLD	VALGVGGL	P	RGR	68
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQ	KALAA	A	L	G	Q	IEK	Q	FGKGS	SIMR	L	G	D	N	.RAMD	VET	IST	G	S	L	S	L	D	I	ALGAGGL	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
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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consensus

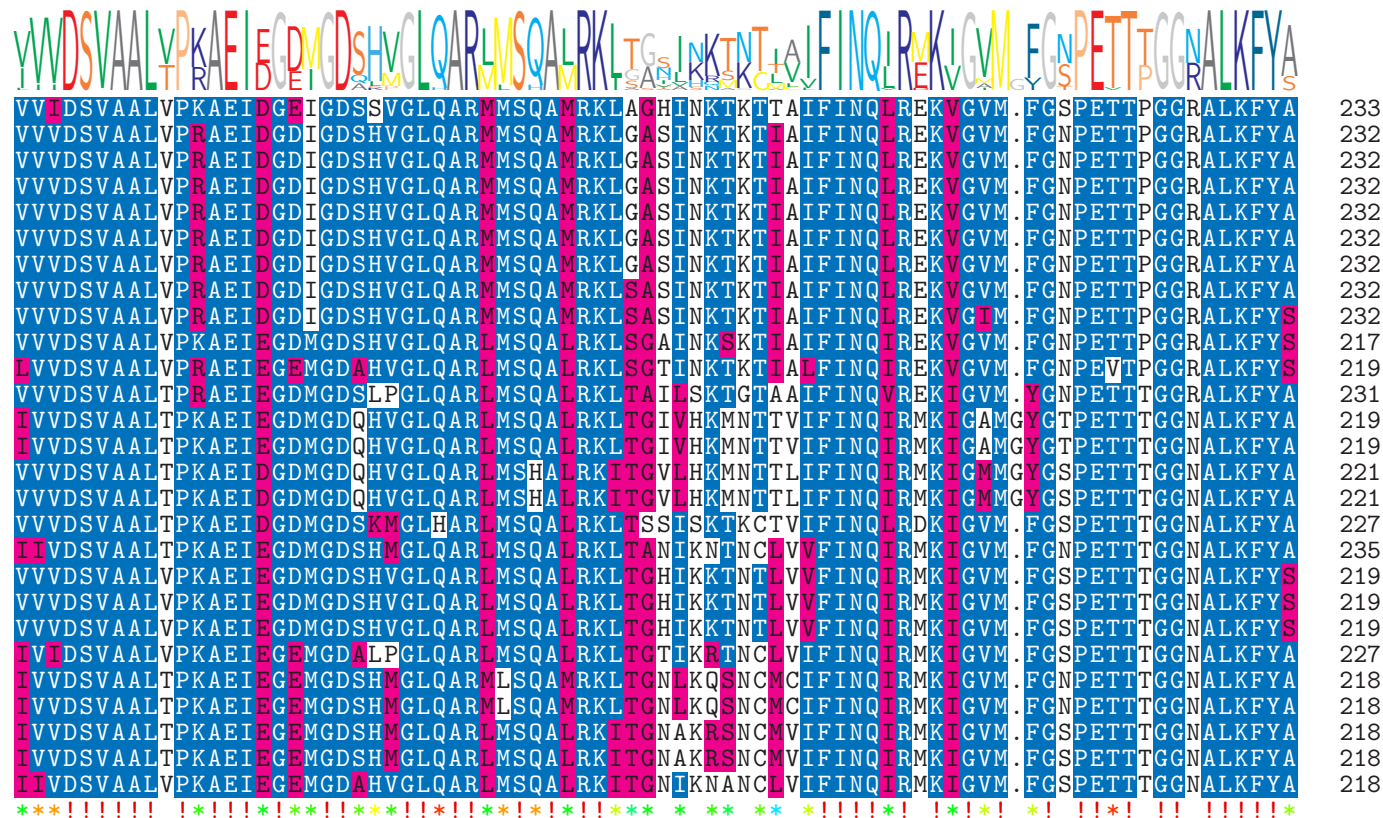
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	VAPPFKE	AVVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	VAPPFKE	AVVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	VAPPFKE	AVVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKV	VAPPFKE	AFVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKV	VAPPFKE	AFVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRG	TQIKGTG	.DQKDS	IGKETK	IKVVKNKV	VAPPFKE	AEVEIM	YGEGIS	RTGELV	KIASDL	DIKKAG	AWFSYN	311
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NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRI	AS....	L.KQNEQH	IGNRAK	AKVVKNKV	VAPPFRE	AEFDIM	FGEGIS	KEGEIT	IDYGV	KLDIVD	KSGAWLSYQ	296
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRI	AA....	L.KQNEQH	IGNRAK	AKVVKNKV	VAPPFRE	AEFDIM	FGEGIS	KEGEIT	IDYGV	KLDIVD	KSGAWLSYQ	296
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRS	LSDTGK	IKDKS	GEVIGN	RTKVVVKNKV	VAPPFK	SAEFDIM	YGEGV	SKVGEI	LDVAT	DLDIQK	SGSWFSYQ	307
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRC	GV....	V.KDGDEI	IGSETK	VVVKNKV	VAPPFRE	VQFDIM	YGEGIS	RMNELL	ILAEAN	GFIKK	SGAWFSYD	310
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRT	GS....	I.KKGEV	LGNETR	VKVIKNKV	VAPPFR	QAEFDIL	YGEGIS	WEGELI	IDIGV	KNDIINK	SGAWYSYN	294
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NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRI	GS....	I.KKGEV	VGNETK	VVVKNKV	VAPPFRE	AIFDIL	YGAGVS	REGEIT	DLGVE	AKVVEK	SGAWYSYN	302
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRT	G....	I.KEGEEV	VGNETRI	KVVKNK	IAAPFKE	ANTQIM	YGGGF	NREGEL	IDLGV	VKHKM	VVEKSGAWYSYN	293
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRI	G....	V.KEGDEI	VGSETK	VVVKNK	MAPPFRE	AIFQIL	YGKGT	NQLGEL	VDLAV	QQDIVQ	KAGAWYSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRT	G....	V.KEGDEV	VGSETR	VVVKNKV	VAPPFR	QAEFQIL	YGKGI	YRNGEIT	DLGV	QQGLVE	KSGAWAYK	293
consensus	*!!**!	*	**	*****!!*!!*!!*!!*	*	*****!!*!!**	*	*****!!*!!**	*****	*	***	!!*****!	

consensus

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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
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NTDB id 408 SMU RS09530 WP 002262392.1	D..		383
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consensus			

- X non conserved
- X similar
- X ≥ 50% conserved