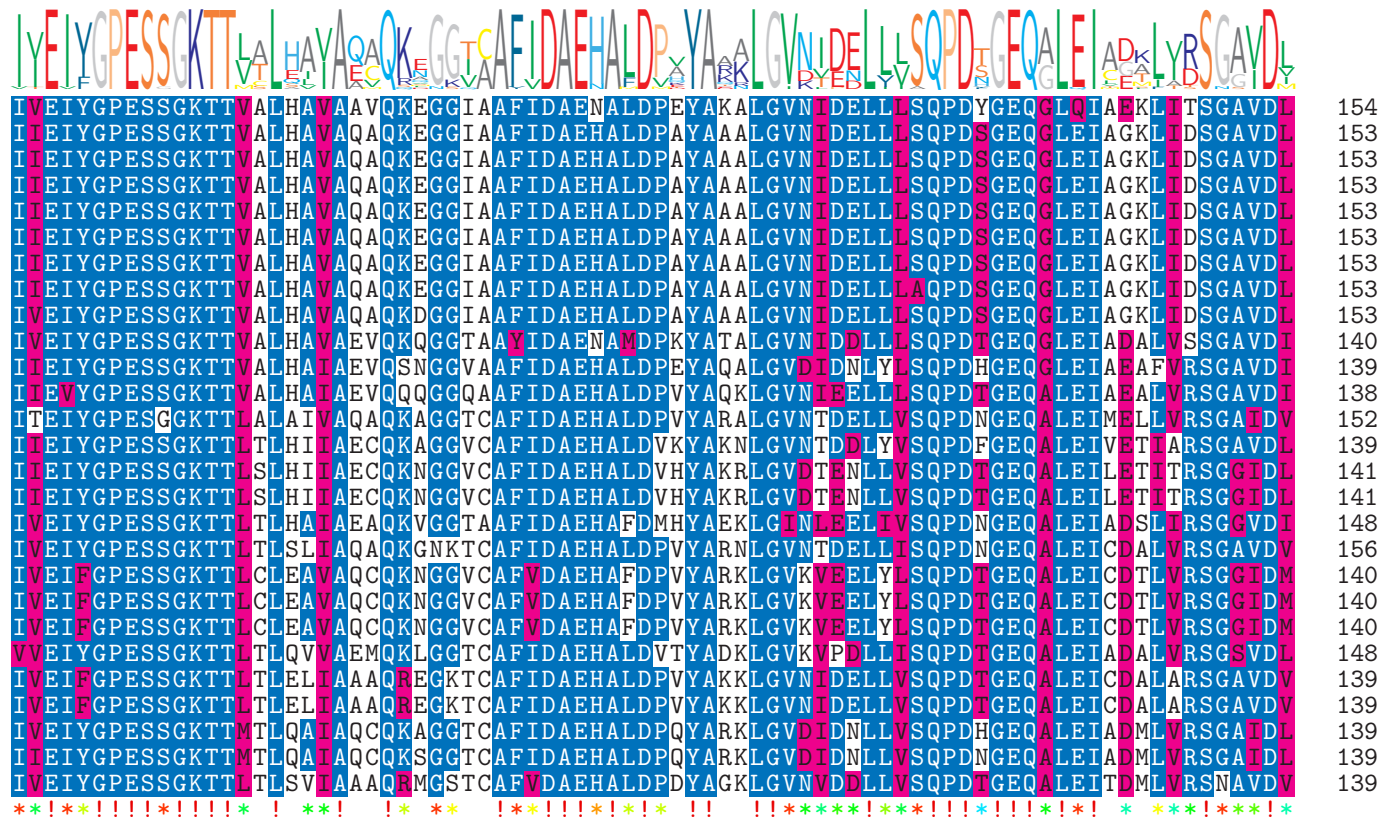


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NTDB id 527	SMSK321 RS11065 WP 001085454.1	.MAK.....KPKKLDEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMR	LGER	.AEQKVQV	MSSG	SLALD	I	ALG	SGGY	PKGR	73						
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NTDB id 408	SMU RS09530 WP 002262392.1	.MAK.....RIKKTEEITKKFGD	ERR	KAL	DDAL	KN	IEKD	FGKGA	VMR	LGER	.AEQKVQV	MSSG	SLALD	I	ALG	AGGY	PKGR	73						
NTDB id 625	LCA RS02525 WP 011374196.1	MAKD	ER	QAAL	DAAL	KN	IEKN	FGKGS	SIMR	MGEK	.VDTQV	ST	VSSG	SLALD	E	ALG	VGGY	RGR	60					
NTDB id 21090	BSG37 RS06790 WP 000368166.1	MDN	DR	QKAL	DTV	IKN	MEKS	FGKGA	VMK	LGDN	.IGRRV	STT	STGS	V	TLDN	ALG	VGGY	PKGR	59					
NTDB id 115	BSU 16940 NP 389576.2	MS	DR	QAAL	DMAL	KQ	IEKQ	FGKGS	SIMK	LGEK	.TDTR	I	ST	V	PSG	SLALD	T	ALGI	GGY	RGR	58			
NTDB id 1313	DR RS12030 WP 010888966.1	MSKDATKEISAP	DAK	ERS	SKAL	IET	AMS	QIEK	A	FGKGS	SIMK	LGA	E	.SKLD	VQV	V	STGS	SLDL	ALG	VGGI	RGR	72		
NTDB id 1245	Cj1673c YP 002345041.1	MDDN	KRK	SL	DAAL	KS	LD	KT	FGKG	T	ILRL	GDK	.EVEQ	IDS	I	GTGS	VGLD	L	ALGI	GGV	PKGR	59		
NTDB id 1211	C694 RS00795 WP 000963128.1	MAID	DK	QKAL	ISLA	IKQ	ID	KV	FGKGA	L	VRLG	DK	.QVEK	IDS	I	STGS	SLGLD	L	ALGI	GGV	PKGR	61		
NTDB id 1214	NCTC11637 00359 SQJ03206.1	MAID	DK	QKAL	ISLA	IKQ	ID	KV	FGKGA	L	VRLG	DK	.QVEK	IDS	I	STGS	SLGLD	L	ALGI	GGV	PKGR	61		
NTDB id 1334	RAOC RS04870 WP 004918236.1	MAKT	..ETT	SPND	DKK	KALA	AAV	LEK	LD	KT	YGKG	TVM	KLGD	GTVD	HN	IEA	I	PSG	SLGLD	L	ALG	VGGY	PKGR	68
NTDB id 1389	A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV	.VKQ	VEPE	QKK	QAL	EAAL	AQ	IEKQ	FGKGS	SIMK	LGQT	.EQLD	I	ESV	STGS	SLGLD	L	ALGI	GGL	PMGR	76		
NTDB id 1130	NGFG RS03960 WP 003688695.1	MSD	DK	SKALA	AAAL	AQ	IEKS	FGKGA	IMK	MDGS	Q	QEEN	.LEV	I	STGS	SLGLD	L	ALG	VGG	LP	RGR	60		
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NTDB id 1427	RS RS02760 WP 011000510.1	.MEDG.....K	.KAAS	MAEK	QKALA	AAAL	AQ	IEKQ	FGKGS	IMK	MGDA	.EVEPV	QV	V	STGS	SLGLD	V	ALG	VGG	LP	RGR	68		
NTDB id 1165	A1552VC RS01565 WP 000344154.1	MDEN	KQKALA	AAAL	GQ	IEKQ	FGKGS	SIMR	LGDN	.RAMD	VET	I	STGS	SLD	I	ALG								

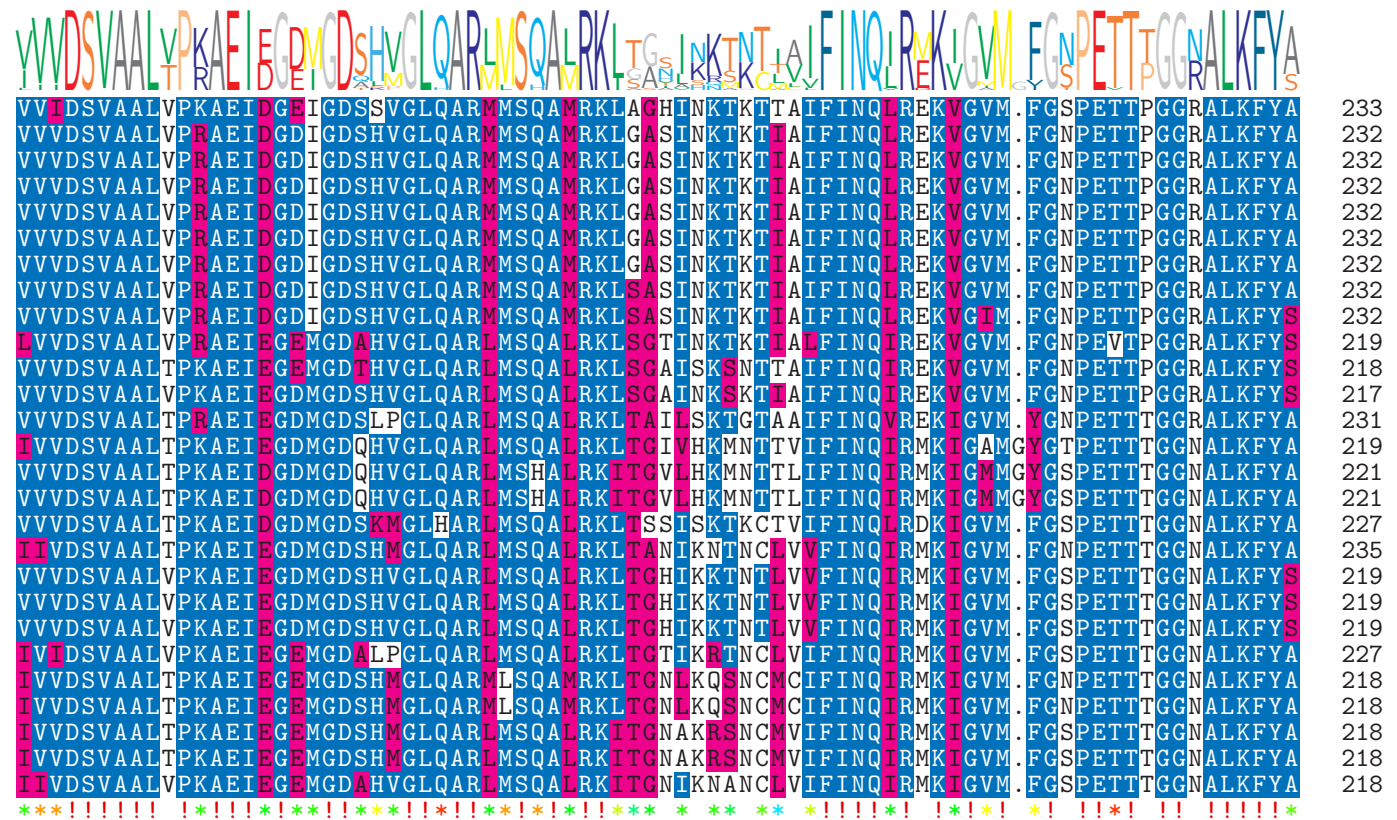
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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
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NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 210090 BSG37 RS06790 WP 000368166.1
NTDB id 115 BSU 16940 NP 389576.2
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 RA0C RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
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NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus



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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
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NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSETRVVVVKNKVAPPFRQAEFFQILYGGKIYRNGEIIDLGVQQGLVEKSGAWAYK	293
consensus	*!!***!* * ** *****!*****!!*!!*!!* * *****!*!*** ***** ** *** ! !*****!	

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKEEK	AVETEEIELELED		387
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NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTE	DEQINILPDDSTEE			355
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NTDB id 115 BSU 16940 NP 389576.2	EERLGQG	RENAKQFLKENKD	IMLMIQEQIREHY	GLDNNGVVQQAEET	QEELEFEE			348
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NTDB id 1245 Cj1673c YP 002345041.1	DKKLGQG	RENSKAFLENPEIA	DEITKAIQNSMG	IEGMI....SGSEDD	..EGEE			343
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNAVKWLKENPEI	ADKLEQEIRNTLAS	NPNS....VLKATAS	DSNDESD..VEEF	SEEL		372
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEI	SDAIDAKIRALNG	VEMHI....TEGTQ	DETDGER.....	PEE		348
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEI	SDAIDAKIRALNG	VEMHI....TEGTQ	DETDGER.....	PEE		348
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NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFLRENAEL	AREIENKVREHLG	VTPMG....AVTLA	..EEVEED			352
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYFEENNQ	IAEEIERNIREQL	LLTKASD....QTAA	..HDETEEEP	..LL..ES		349
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NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANAACKYLLKENPEI	GQIEIEQIRAKLL	VTSAN....TKATP	VAAEDLADAD..I			347
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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	
NTDB id 625 LCA RS02525 WP 011374196.1	...	355	
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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			

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