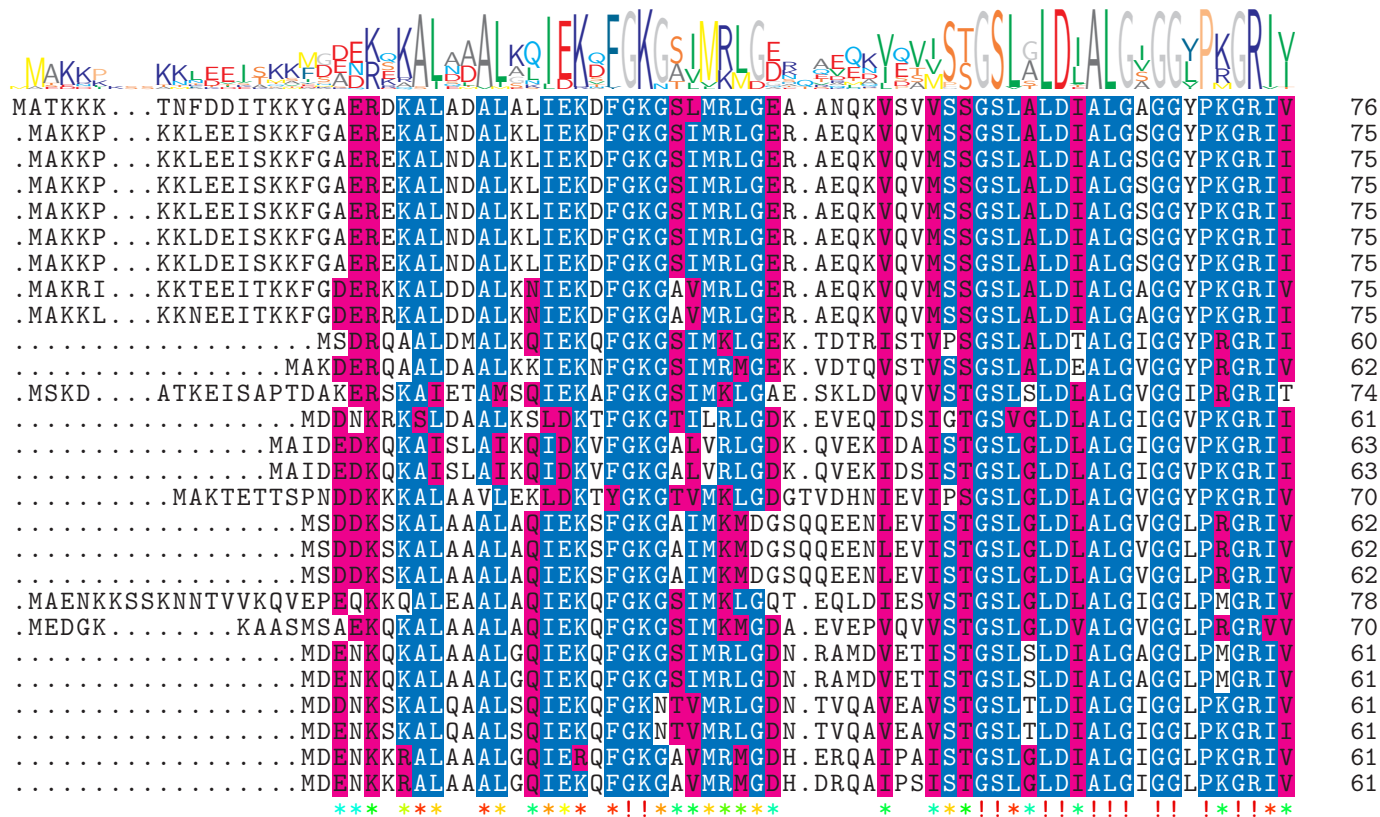


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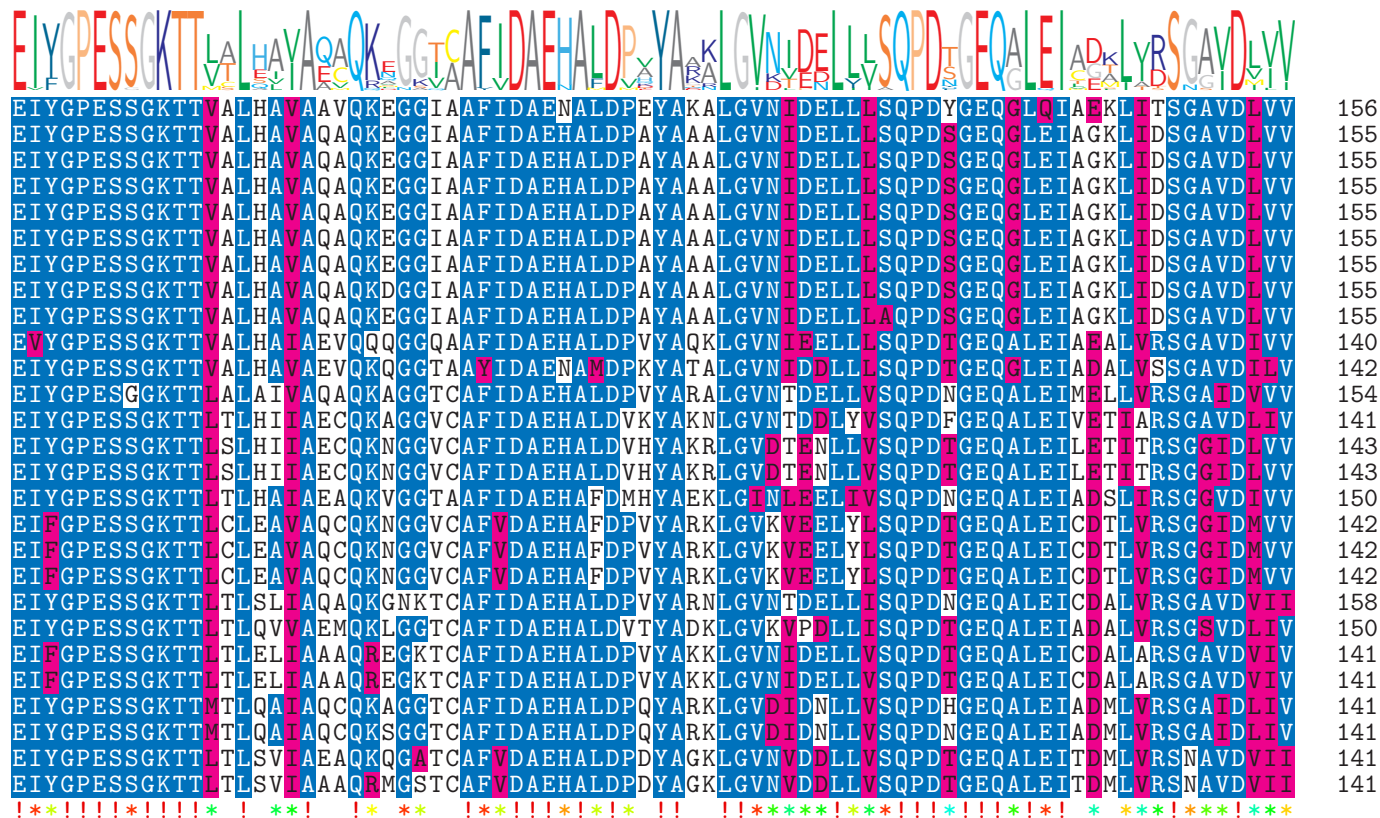
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consensus

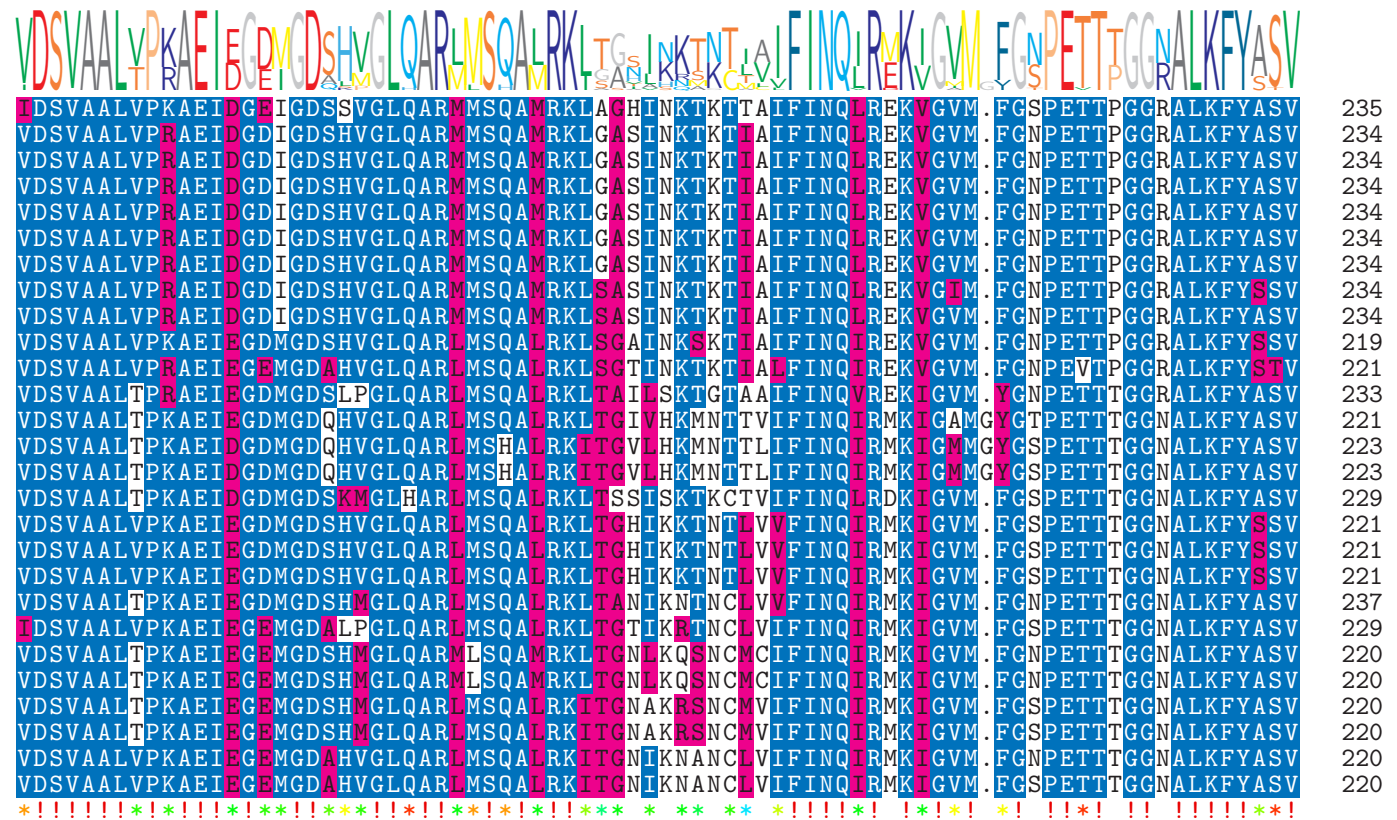
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consensus

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NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEA	VV	EIM	Y	GEGIS	KTGEL	LK	IASD	LDI	TKK	AGAW	YSY	KDE	313							
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEA	VV	EIM	Y	GEGIS	KTGEL	LK	IASD	LDI	TKK	AGAW	YSY	KDE	313							
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEA	VV	EIM	Y	GEGIS	KTGEL	LK	IASD	LDI	TKK	AGAW	YSY	KDE	313							
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKN	KVAPPF	KEA	FV	EIM	Y	GEGIS	KTGEL	LK	IASD	LDI	TKK	AGAW	YSY	KDE	313							
NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKN	KVAPPF	KEA	FV	EIM	Y	GEGIS	KTGEL	LK	IASD	LDI	TKK	AGAW	YSY	KDE	313							
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NTDB id 1313 DR RS12030 WP 010888966.1	RLDVRK	IGQ....	PTKVG	NDA	VANT	VKIK	TVKN	KVA	APF	KE	V	E	L	A	L	V	Y	G	K	309							
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRI	AA....	L.KQN	EQH	IGN	RAKAKV	VKNKVAPP	FR	AE	F	DIM	F	G	E	GIS	KEGE	I	I	D	298							
NTDB id 1211 C694 RS00795 WP 000963128.1	RIDIRRI	AS....	L.KQN	EQH	IGN	RAKAKV	VKNKVAPP	FR	AE	F	DIM	F	G	E	GIS	KEGE	I	I	D	298							
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRS	LSDTG	KIKDKS	GEV	IGN	RTKV	VVKN	KVAPP	FK	SAE	F	DIM	Y	G	E	G	V	S	K	309							
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NTDB id 1427 RS RS02760 WP 011000510.1	RLDIRR	IGS....	I.KKG	DEV	VGN	ETKV	VVKN	KVAPP	FR	AE	I	F	D	I	L	Y	G	A	G	304							
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NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRR	TGA....	V.KEG	DEV	VGS	ETRV	KV	VVKN	KV	S	P	P	FR	QAE	F	Q	I	L	Y	295							
consensus	!	***	!	*		*		*	*	*****	!*	***	!!	*****	!	*		*****	!*	***	*****	***	***	!	!*	*****	!

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NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHGL	LDDSEVAETEEETT	...	AS	TKAKAKKEEKAVETEEIELELED	...	387		
NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	...	KDE	...	PKKEEA..VNEEVPLDLGDELE	383		
NTDB id 228 SPD RS09265 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	...	KDE	...	PKKEEA..VNEEVPLDLGDELE	383		
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NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLADNPEIFDD	IDHKVRVQYGL	IEDDNTEEKQSSKE	...	K	...	ETDEK	...	ADKNLVLELDDTIE	380
NTDB id 453 Spy49 1753c ACI62003.1	KIGQGS	ENAKRYLADHPQLFDE	IDRKVRVKFGL	LEESEESAMAVAS	...	E	...	E	...	TDDLALDLDNGIE	375
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NTDB id 625 LCA RS02525 WP 011374196.1	RIGQGR	ENAKNYLADHEDVEDEV	RLKVRVRAAYGIS	DVPEEDLPTTEDE	...	QI	...	NILPDDST	...	EE	355
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NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGR	ENAKALLKEDKALADE	ITLKI	KESIGSNEEIM	...	PLPDEP	...	LEEME	...	...	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGR	DTVKELIKDNPELAE	ELEAKIREKLQAK	...	...	...	...	...	...	...	343
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGD	NVRVWLKENPEISDE	IDAKIRALNGVEMHIT	...	...	EGTQDET	...	DGE	...	RP...EE	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGD	NVRVWLKENPEISDE	IDAKIRALNGVEMHIT	...	...	EGTQDET	...	DGE	...	RP...EE	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQGD	NVRVWLKENPEISDE	IDAKIRALNGVEMHIT	...	...	EGTQDET	...	DGE	...	RP...EE	348
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQGN	NAVKWLKENPEIADK	LEQEIRNTLASNPNSV	...	...	LKATASDSN	...	DES	...	VEEFS...EEEL	372
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	KIGQGN	ANACKYLKENPEIAKT	LDKKLREMLLN	PENMQ	...	LIAETSSAA	...	DDVEFGAVP	...	EEF	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGN	NVIRYLEENPQISTE	IEAVIREQLLTKASDQ	...	...	TAAHD	...	ETEE	...	PDLL..E...S	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGN	NVIRYFEENNQIAEE	IERNIREQLLTTGTNG	...	...	AVQI	...	EDE	...	EEPDLL..L...ES	349
NTDB id 57677 G655 RS06750 WP 003092260.1	KIGQGN	ANAAYLEDNPEIGSV	LEKTI	RDQLLAKSGPV	...	KADAE	...	EVADAE	...	AD	346
NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQGN	ANAAYLEENPEIGQ	EIEQQIRAKLLV	TSANT	...	KATPVA	...	EDLADADI	...	...	347
consensus	***!!!	*****	**	*****	*****	**	**			**	

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NTDB id 600 KW2 RS01765 WP 011675413.1		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEIEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEIEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	LED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IED..	378
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NTDB id 1245 Cj1673c YP 002345041.1		343
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NTDB id 1389 A4U84 RS07560 WP 021112712.1		372
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NTDB id 1022 ACIAD RS06390 WP 004925639.1		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1		349
NTDB id 57677 G655 RS06750 WP 003092260.1		346
NTDB id 1205 PSJM300 05545 AFN77183.1		347
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved