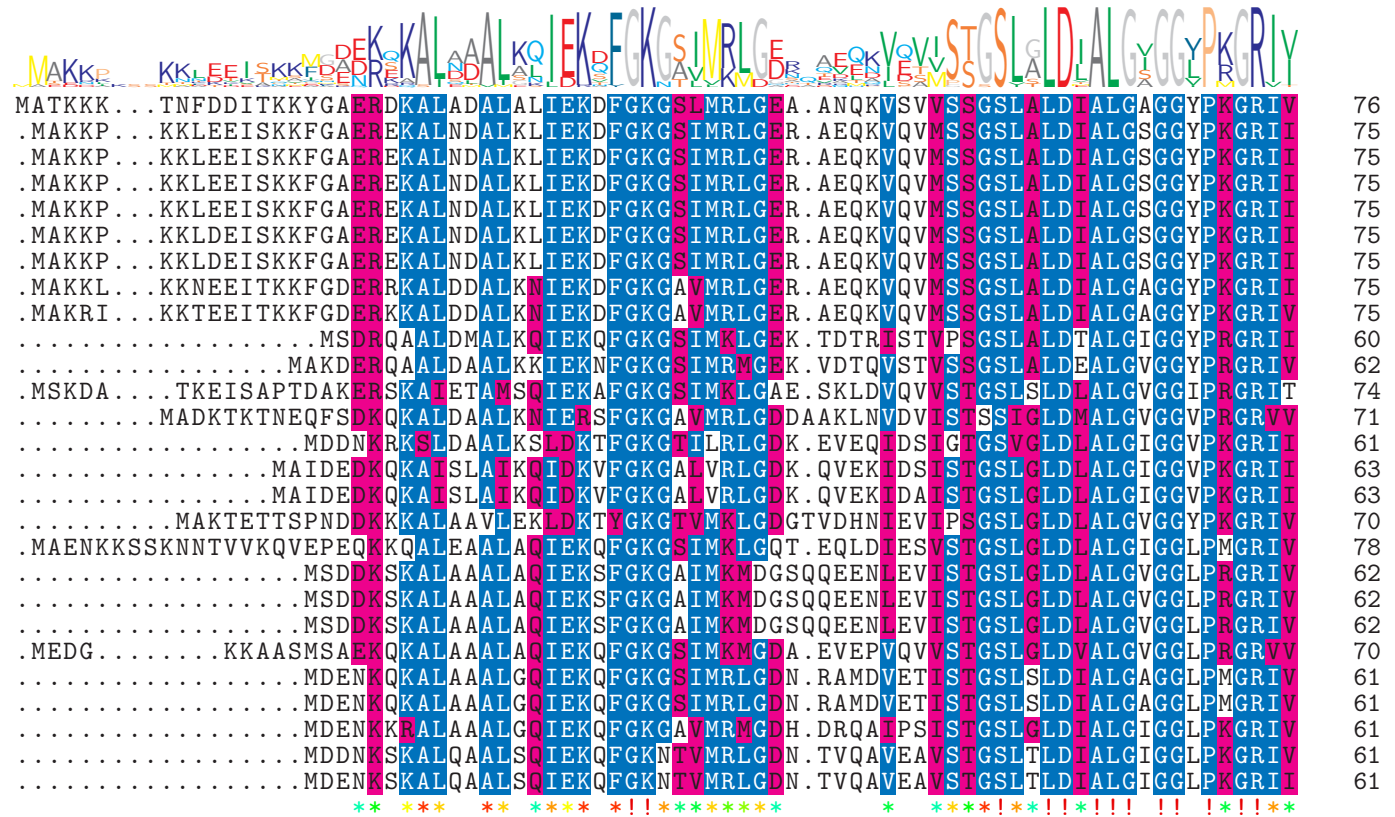


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consensus

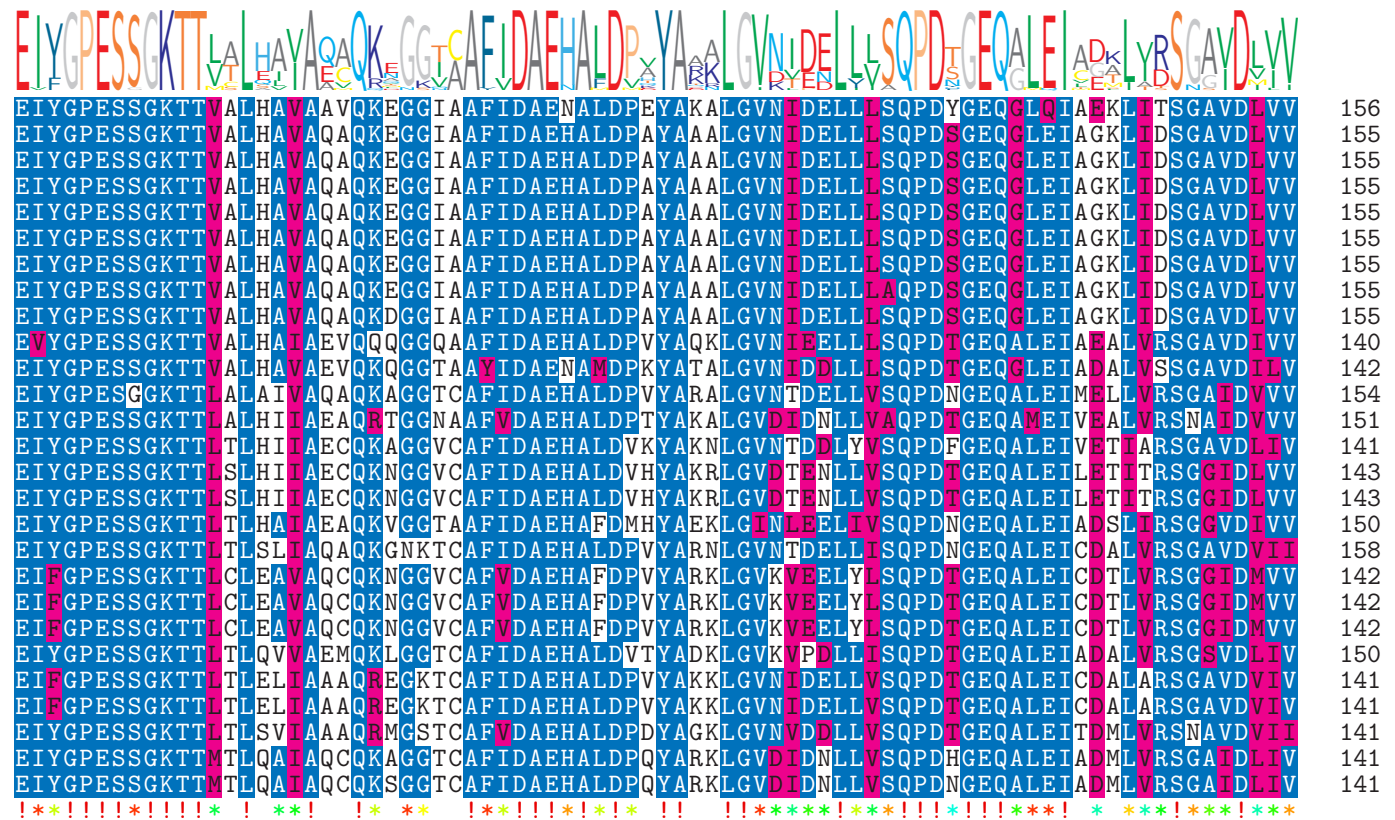
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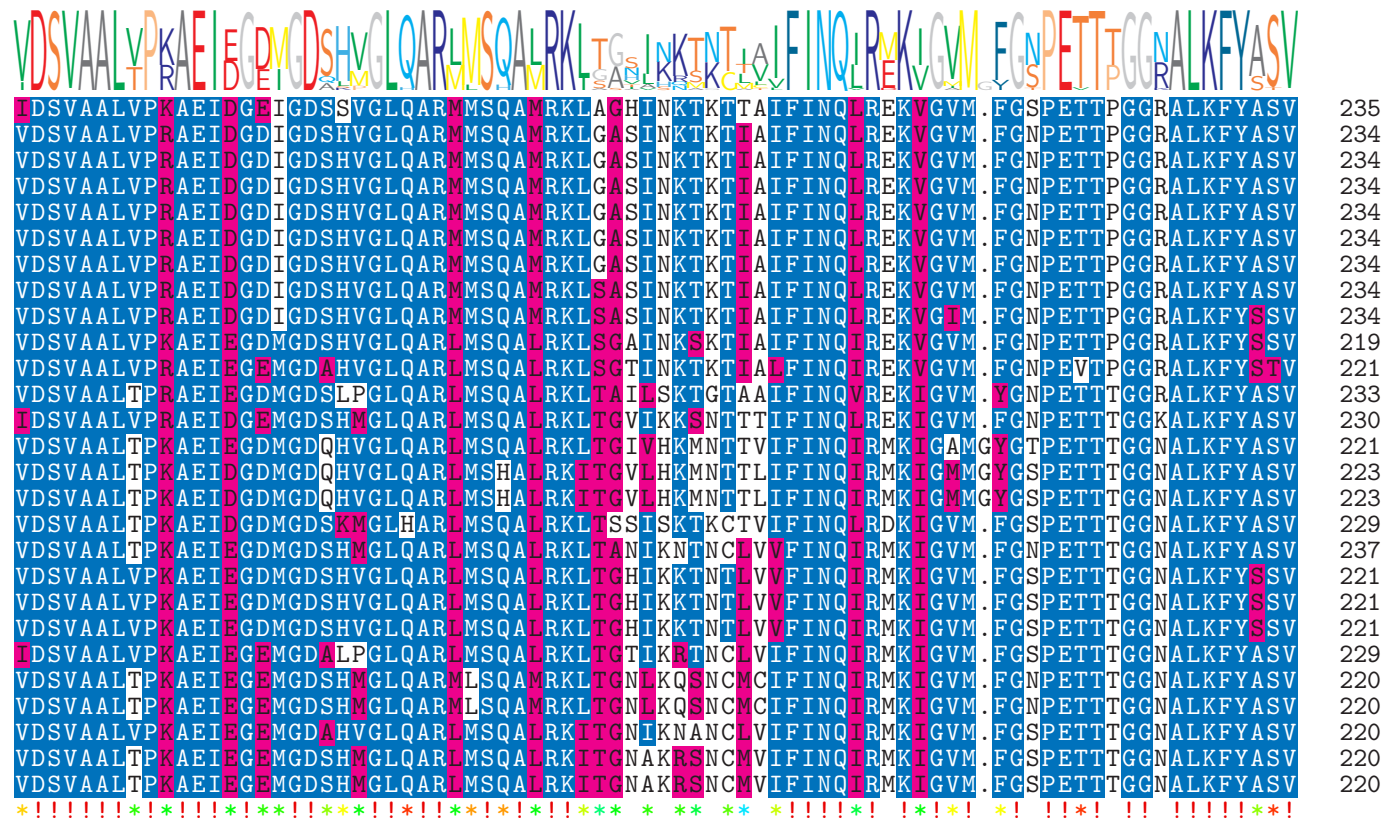
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consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus



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NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKVAPPF	KEAFVE	EIMY	GEGIS	KTGELL	KIAS	DLDI	IKKAG	AWYSY	KDE	313				
NTDB id 453 Spy49 1753c ACI62003.1	RLDVRG	TQIKGTG	.DQKDS	IGKETK	IKVVKNKVAPPF	KVAEVE	EIMY	GEGIS	RTGEL	VKIAS	DLDI	IKKAG	AWFSY	NGE	313				
NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVVKNKVAPPF	KEAFVE	EIIY	GEGIS	RTGEL	VKIAS	DLGI	IKKAG	AWYSY	NGE	313				
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NTDB id 1245 Cj1673c YP 002345041.1	RLDVRK	VAT....L	.KQNEEP	IGNRVK	IKVVKNKVAPPF	RQAEFD	DVMF	GEGLS	REGEL	IDYGV	KLD	IVDK	SGAWFSY	KDK	296				
NTDB id 1211 C694 RS00795 WP 000963128.1	RIDIRRI	AS....L	.KQNEQH	IGNRAKA	IKVVKNKVAPPF	REAEFD	DMFG	GEGISKE	GEI	IDYGV	KLD	IVDK	SGAWLSY	QDK	298				
NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRI	AA....L	.KQNEQH	IGNRAKA	IKVVKNKVAPPF	REAEFD	DMFG	GEGISKE	GEI	IDYGV	KLD	IVDK	SGAWLSY	QDK	298				
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRS	LSLSDTG	KIKDKSGEV	IGNR	TKV	IKVVKNKVAPPF	KS	AEFD	DIMY	GEGVSKV	GEILD	VATD	LDI	IKKSGS	WFSYQDT	309			
NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRR	CGV....V	.KDGDEI	IGSE	TKV	IKVVKNKVAPPF	REVQFD	DIMY	GEGIS	RMNELL	ILAE	ANGF	IKKSG	AWFSY	DGT	312			
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NTDB id 1124 NGFG RS03960 WP 003688695.1	RLDIRRT	TGS....I	.KKGEEV	LGNET	RVKVI	IKNVAPPFR	QAEFD	DILY	GEGISW	EGEL	IDIGV	KNDI	INKSG	AWYSY	NGA	296			
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRR	IGQ....V	.KEGDEI	VGSE	TKV	IKVVKNK	MAPPF	KEAI	FQ	I	LYGKGT	NQL	LGEL	VD	LAV	QQDIV	QKAG	AWYSYQGN	295
consensus	!***!*		*	*	*	*****!***!!*!!*!!*	*		*****!*	*****	*****	*		***	!	!*****!			

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NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKEEK	AVETEEIELELED		387
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGS	ENAKKYLAADNPEV	FAEIDHQVRVQFGL	IDGEEAAES....	KKDE....VAQVDS	.VNEEVTLDLGDE	LEIEIE	383
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NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGN	KDNRVWVLKENPEI	SDEIDAKIRALNG	VEMHITE.....	GT.....QDET	DGERPEE.....		348
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NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQGN	KDNRVWVLKENPEI	SDEIDAKIRALNG	VEMHITE.....	GT.....QDET	DGERPEE.....		348
NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGR	DNCREFLRENAEL	AREIENKVREHLG	VTPMGAV....	TLAEVE..ED.....			352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	KIGQGN	KANACKYLLKENPEI	AKTLDKKLREML	LNPNENMQL....	IAETSSAA..DD	VEFGAVPEEF		354
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NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQGN	KANAACKYLEENPEI	GQIEEQIRAKLL	VTSANTK....	ATPVAEDL..AD	ADI.....		347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGN	KNNVIRYLEENPQI	STEIEAVIREQL	LLTKASDQT....	AA.HDETE..EE	PDLL..ES.....		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGN	KNNVIRYFEENNQI	AEIERNIREQL	LLTTGTNGA....	VQ.I.EDE..EE	PDLL..LES.....		349
consensus	**! ! *	*****	**	*****	*****	**	*	

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NTDB	id	600	KW2	RS01765	WP	011675413.1	.	387
NTDB	id	269	KZH43	RS08665	WP	001085462.1	E	388
NTDB	id	228	SPD	RS09265	WP	001085462.1	E	388
NTDB	id	194	SPR	RS08825	WP	001085462.1	E	388
NTDB	id	159	SP	RS09750	WP	001085462.1	E	388
NTDB	id	499	SM12261	RS08315	WP	078228268.1	E	384
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	E	384
NTDB	id	453	Spy49	1753c	ACI62003.1	.	.	378
NTDB	id	408	SMU	RS09530	WP	002262392.1	.	383
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NTDB	id	625	LCA	RS02525	WP	011374196.1	.	355
NTDB	id	1313	DR	RS12030	WP	010888966.1	.	363
NTDB	id	43924	AWO	RS10080	WP	014356335.1	.	359
NTDB	id	1245	Cj1673c	YP	002345041.1	.	.	343
NTDB	id	1211	C694	RS00795	WP	000963128.1	.	347
NTDB	id	1214	NCTC11637	00359	SQJ03206.1	.	.	347
NTDB	id	1334	RA0C	RS04870	WP	004918236.1	.	343
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	.	372
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	.	348
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NTDB	id	1074	ABD1	RS10195	WP	000344167.1	.	349
consensus								

- ☐ non conserved
- ☒ similar
- ☒ $\geq 50\%$ conserved