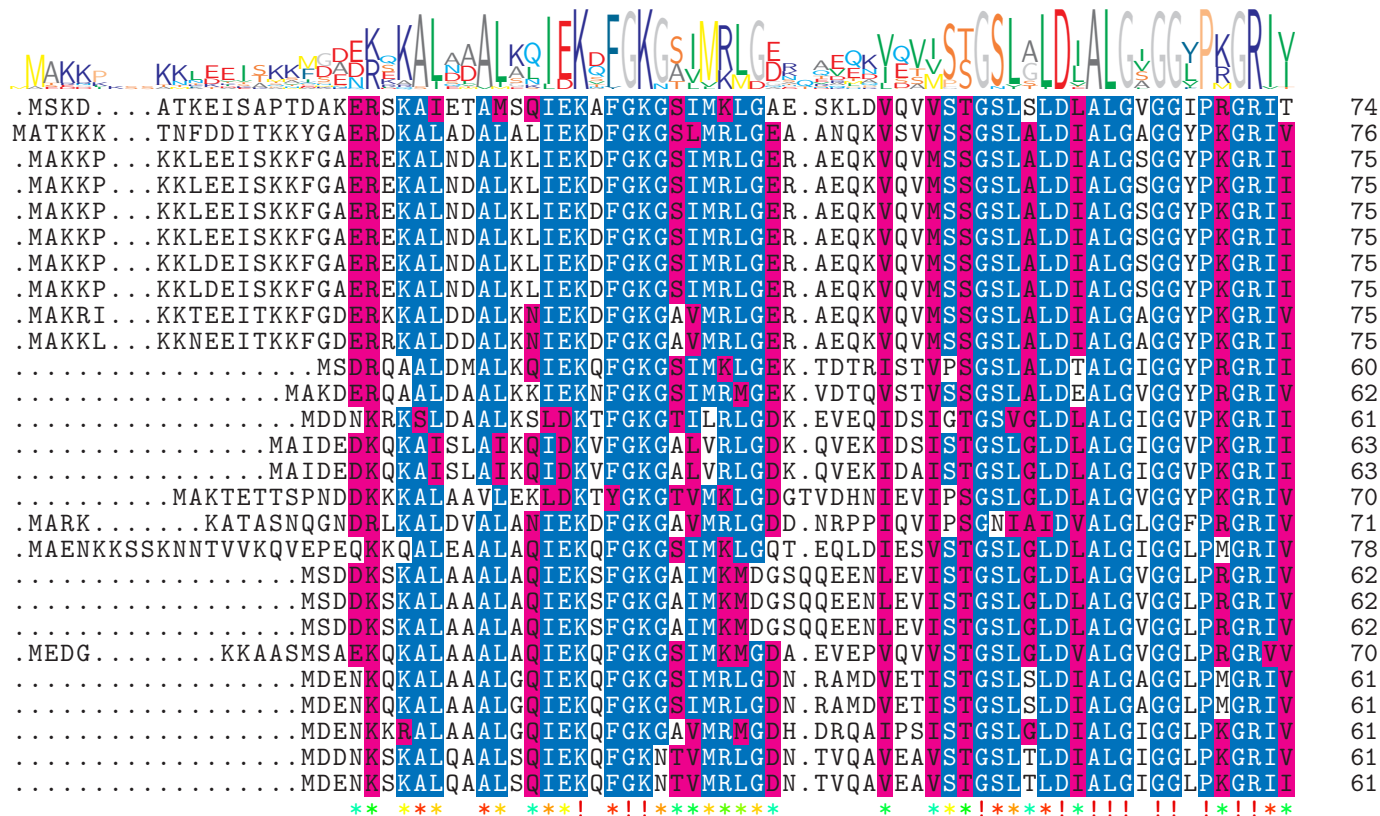


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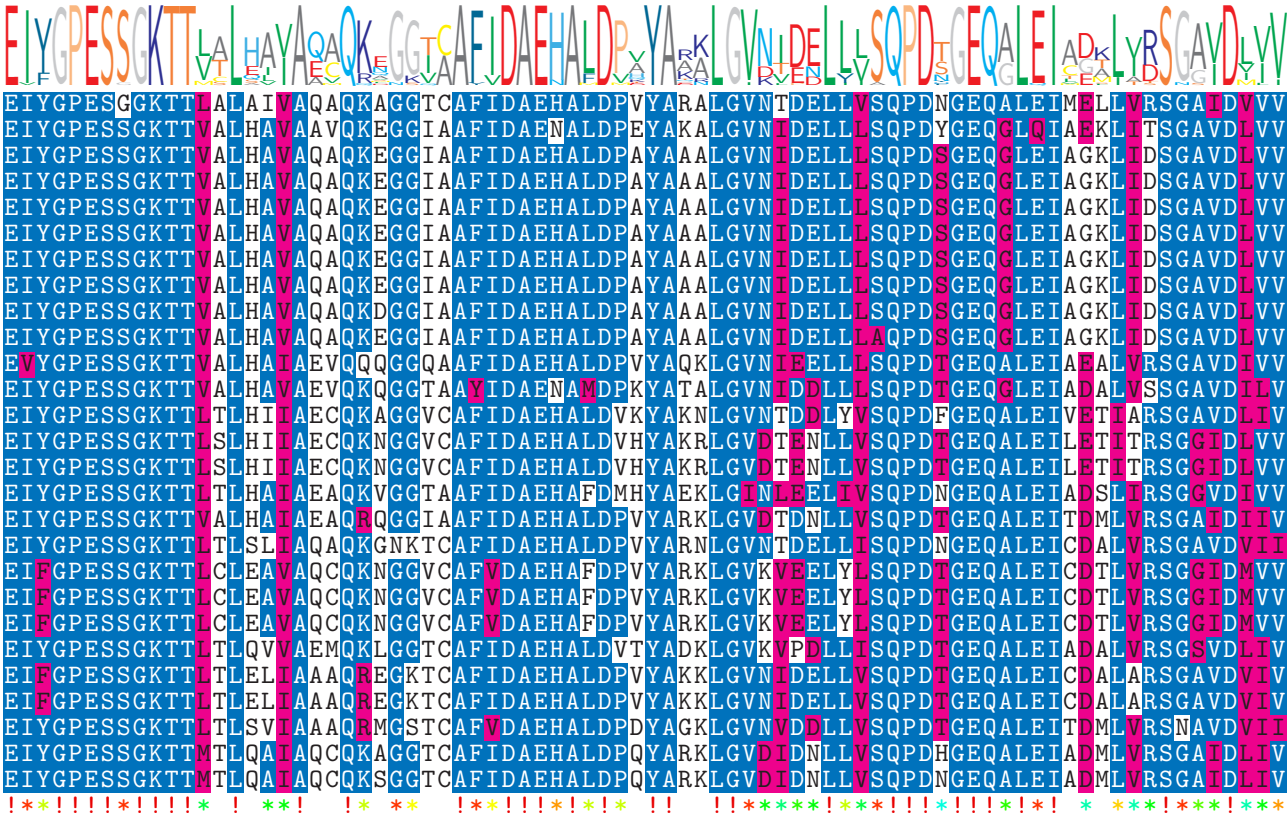
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NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
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NTDB id 1142 GTF74 RS11550 WP 000344154.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
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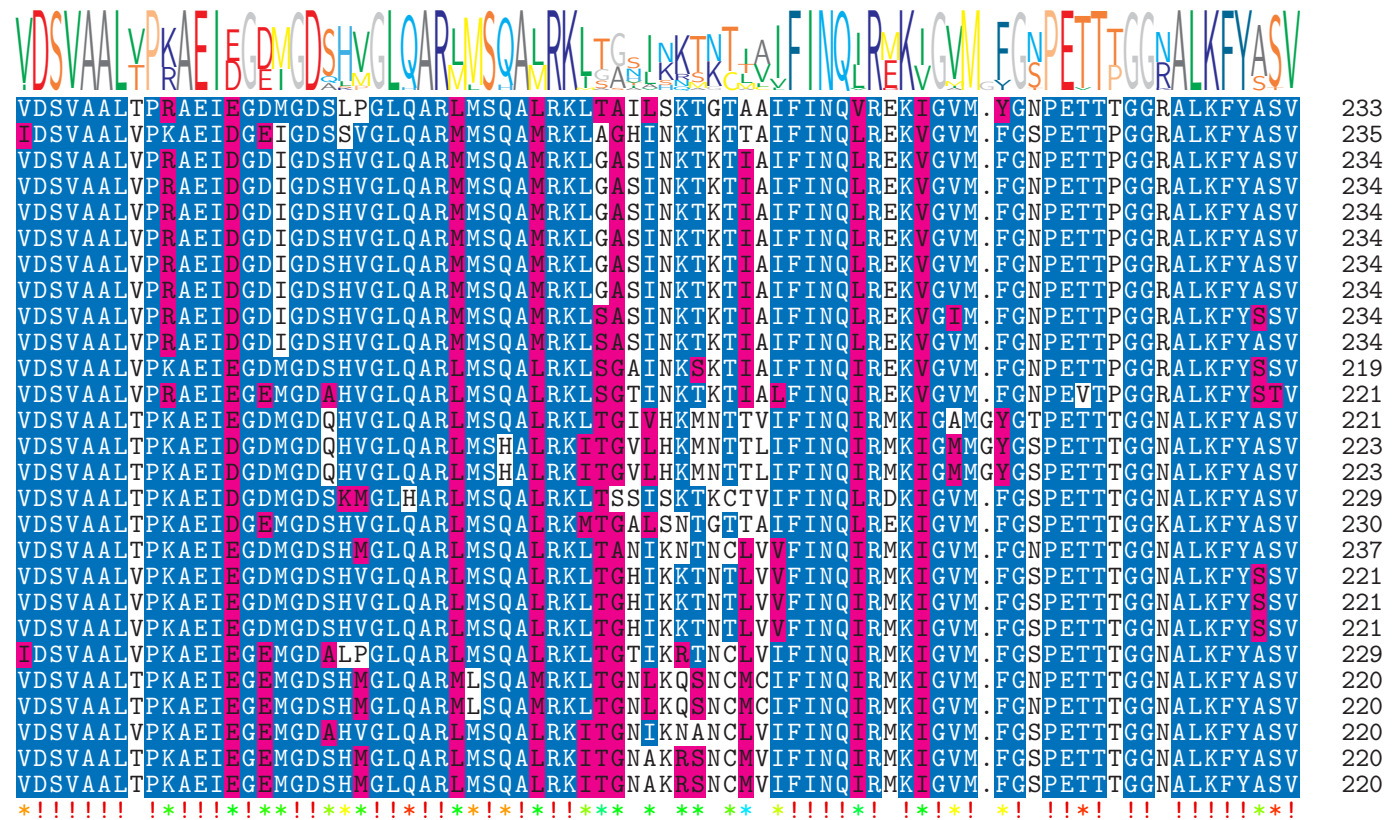
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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NTDB id 269 KZH43 RS08665 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	APPFKE	AVVEIMY	GEGIS	KTGEL	LKIASDL	DI	IKKAG	AWYSY	KDE	313														
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NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	APPFKE	AVVEIMY	GEGIS	KTGEL	LKIASDL	DI	IKKAG	AWYSY	KDE	313														
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	APPFKE	AVVEIMY	GEGIS	KTGEL	LKIASDL	DI	IKKAG	AWYSY	KDE	313														
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKV	APPFKE	AFVEIMY	GEGIS	KTGEL	LKIASDL	DI	IKKAG	AWYSY	KDE	313														
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NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRGNTQIKGTG.EQKDSN	IGKETK	IKVVKNKV	APPFKE	AFVEI	IYGE	GISRT	GEL	VKIASDL	GI	QKAG	AWYSY	NGE	313													
NTDB id 453 Spy49 1753c AC162003.1	RLDVRGTTQIKGTG.DQKDS	IGKETK	IKVVKNKV	APPFKE	AEVEIMY	GEGIS	R	TGEL	VKIASDL	DI	QKAG	AWF	SYNGE	313													
NTDB id 115 BSU 16940 NP 389576.2	RLEVRRAEQLKQGN.....	DVMGN	KT	IKVVKNKV	APPFRT	AEVDIMY	GEGIS	KEGEI	IDL	GT	EL	DIV	QKSGS	WYSYEEE	294												
NTDB id 625 LCA RS02525 WP 011374196.1	RLEVRRAETIKNGT.....	DMIGN	RARI	IKVVKNKV	APPFKE	AEVDIMY	G	GISRT	GEL	VDM	AVEK	DI	IN	KSGS	WYSY	GSE	296										
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NTDB id 1211 C694 RS00795 WP 000963128.1	RIDIRRIAS....L.KQNEQH	IGNRA	KA	IKVVKNKV	APPF	REAEFD	IM	FGE	GIS	KEGEI	IDY	GV	KLD	IV	DKSGA	WLSY	QDK	298									
NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRIAA....L.KQNEQH	IGNRA	KA	IKVVKNKV	APPF	REAEFD	IM	FGE	GIS	KEGEI	IDY	GV	KLD	IV	DKSGA	WLSY	QDK	298									
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRLSDTGKIKDKSGEV	IGNRT	KV	IKVVKNKV	APPF	SAEFDIMY	GEG	VSK	VGEIL	DV	ATD	L	DI	I	QKSGS	WFSY	QDT	309									
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRRCGV....V.KDGDEI	IGSET	KV	IKVVKNKV	APPF	REVQFDIMY	GEGIS	RMNELL	ILAE	ANG	F	IKKSGA	WFSY	DGT	312												
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	RLDIRRTGA....I.KEGEV	VGNET	R	IKVVKNK	IA	APFKE	ANTQIMY	G	GFN	REGEL	IDL	G	V	KHK	M	VEKSGA	WYSY	NGD	295								
NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRRTGA....I.KEGEV	VGNET	R	IKVVKNK	IA	APFKE	ANTQIMY	G	GFN	REGEL	IDL	G	V	KHK	M	VEKSGA	WYSY	NGD	295								
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRRIGQ....V.KEGDEI	IGSET	KV	IKVVKNK	M	APPF	REAI	FQILY	GKGV	N	QL	GEL	V	D	L	A	V	Q	Q	N	I	V	QKAG	AWYSY	QGN	295	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRRIGQ....V.KEGDEI	VGSE	TR	V	IKVVKNK	M	APPF	REAI	FQILY	GKGV	N	QL	GEL	V	D	L	A	V	Q	Q	N	I	V	QKAG	AWYSY	QGN	295
consensus	!***!*	*	**	*****!***!!*****!*	*	*****!*!***	*****	*	***	!	!*****!																

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NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGAEKAKNYLKEHQDVFDKDHKVRAAHGLLDDSEVAETEEETTASKTAKAKKEEKAVETEEIELELED.....	387
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQKKNNNAVKWLKENPEIADKLEQEIRNTLASNPNSVLKATASDSNDESVDVE.....EFSEEL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQKKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGT.....QDETGD.....ERP...EE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQKKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGT.....QDETGD.....ERP...EE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQKKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGT.....QDETGD.....ERP...EE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGRDNCREFLRENAELAREIENKVREHLGVTPMGAV.TLAEVEVED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	KIGQKKANACKYLLKENPEIAKTLDDKLLREMLLNPNENMLIAETSSAADVVEFG.....AVPEEF.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	KIGQKKANACKYLLKENPEIAKTLDDKLLREMLLNPNENMLIAETSSAADVVEFG.....AVPEEF.....	354
NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQKKANAAYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADADI.....	347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQKKNNVIRYLEENPQISTEIEAVIREQLLTKASDQTAA.HDETEEPDLL.....ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQKKNNVIRYFEENNQIAEEIERNIREQLLTGTNGAVQ.I.EDEEFPDLL.....LES.....	349
consensus	**!!!!***** ** ***** ***** ** ** *	

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NTDB id 1313 DR RS12030 WP 010888966.1	.	363
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NTDB id 269 KZH43 RS08665 WP 001085462.1	E	388
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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 408 SMU RS09530 WP 002262392.1	.	383
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	.	349

consensus

 non conserved
 similar
 ≥ 50% conserved