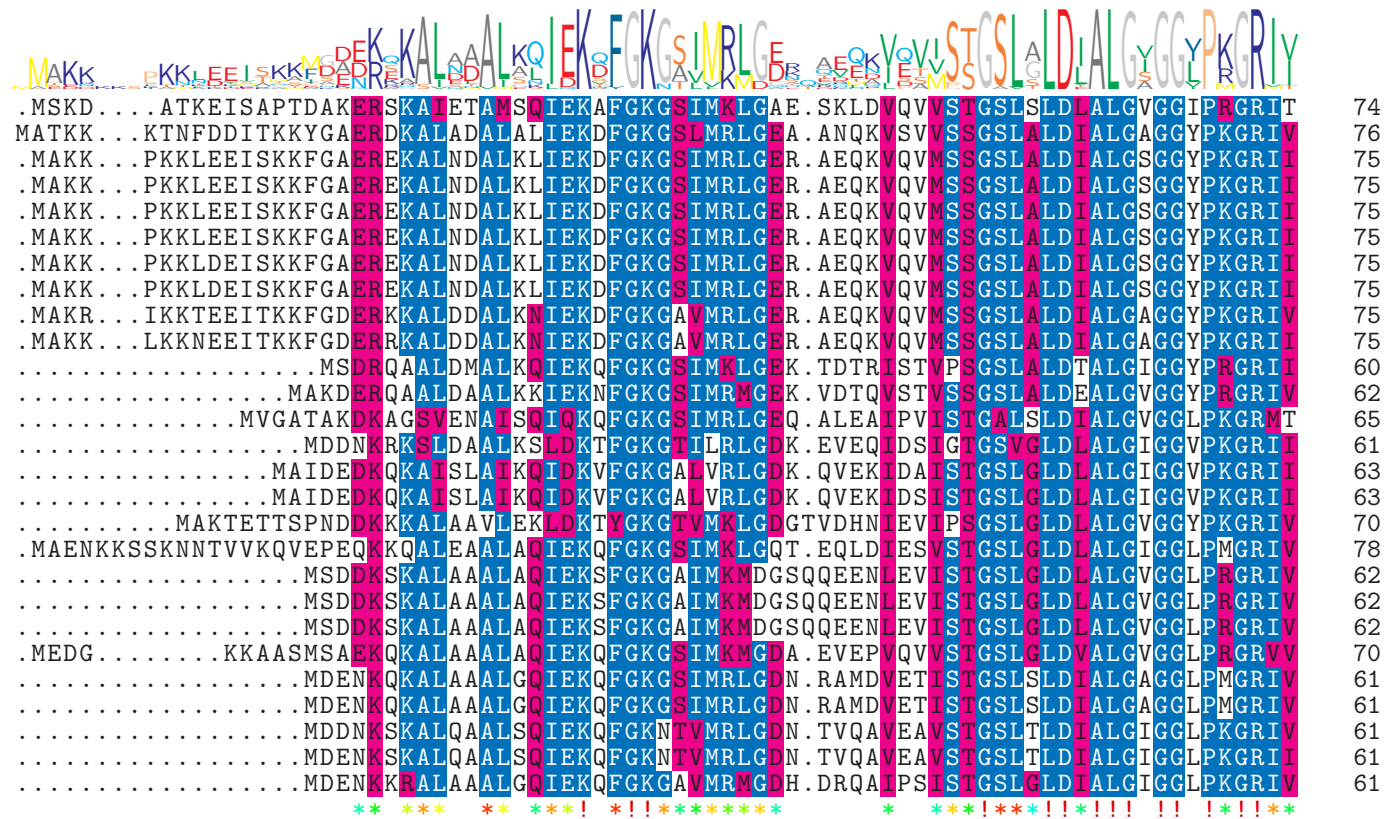


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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
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consensus

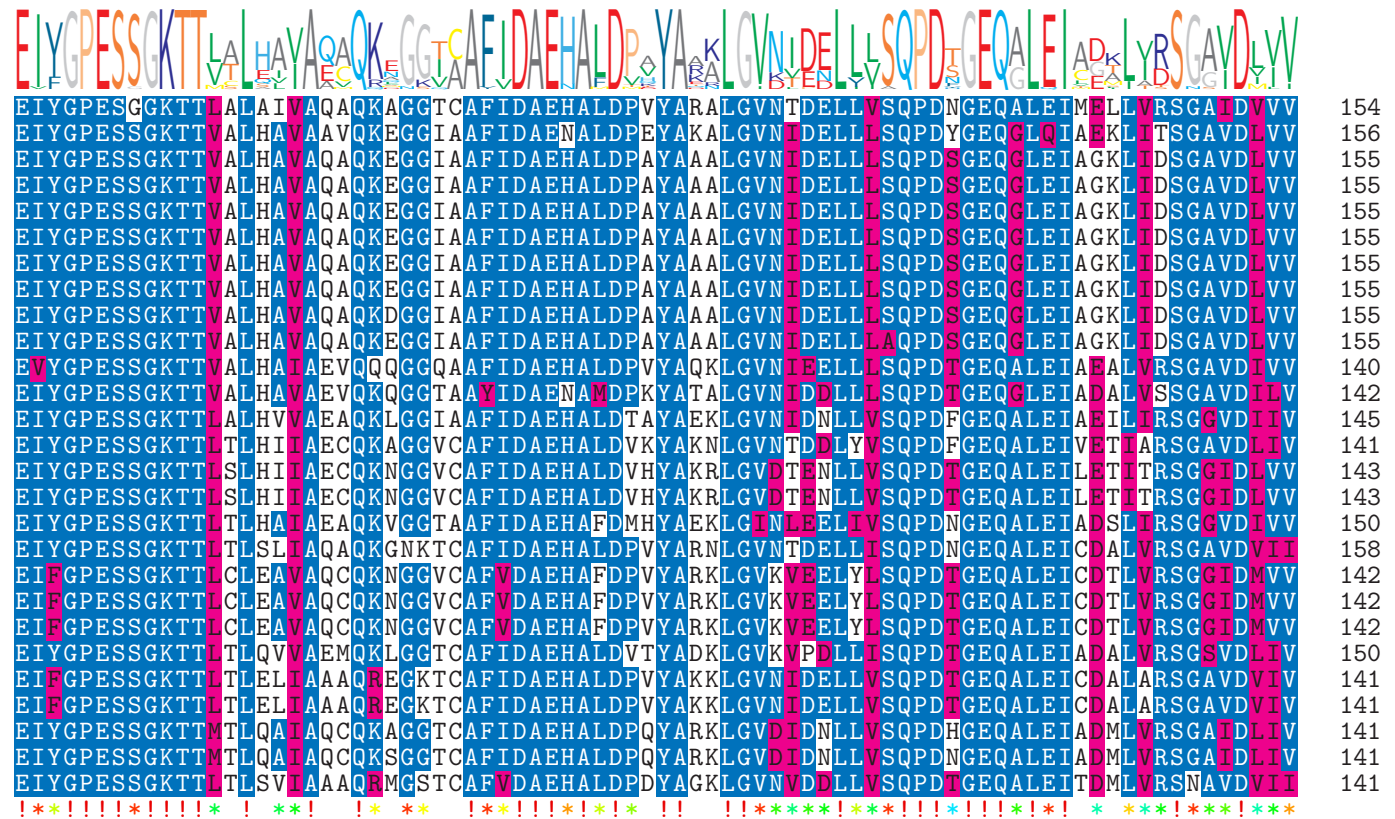
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consensus

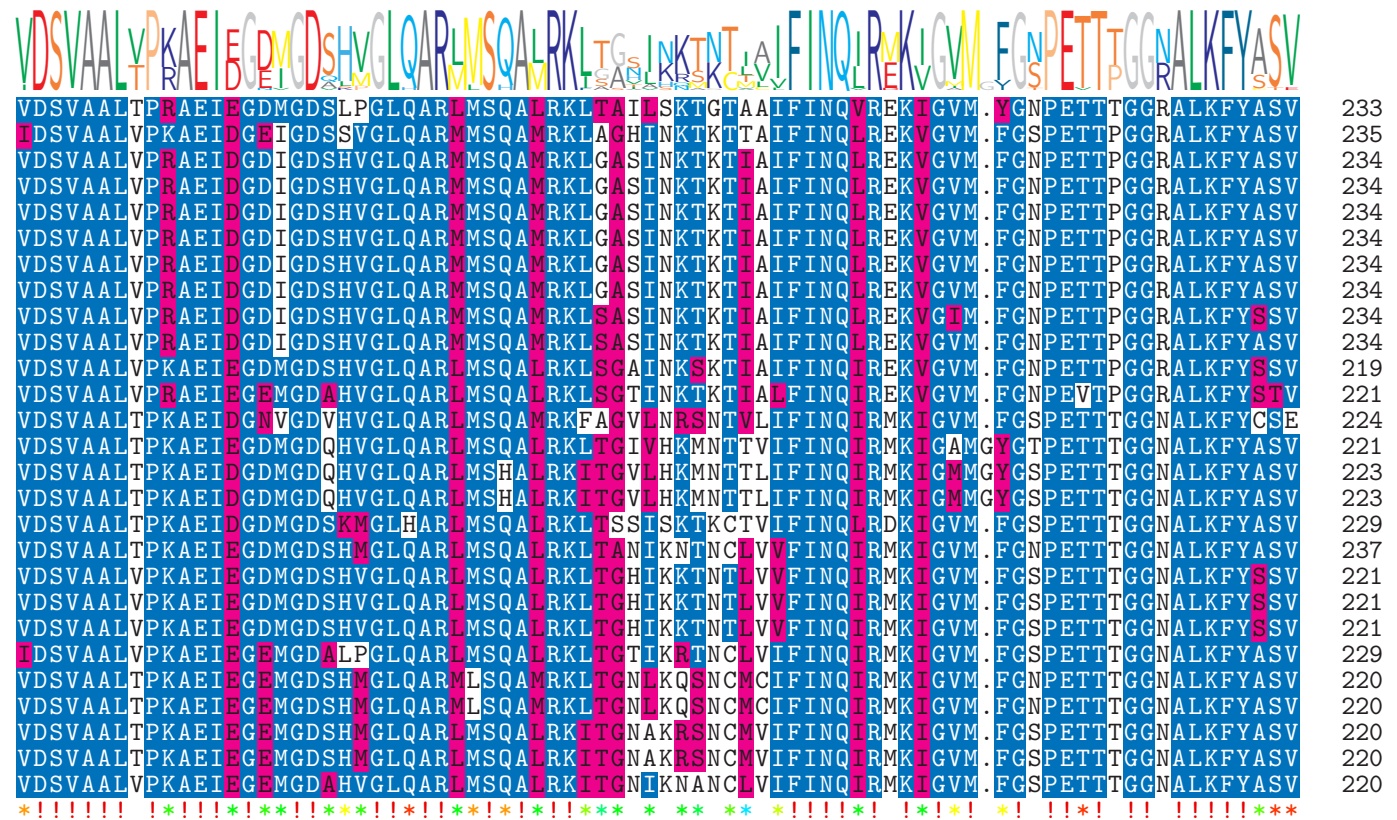
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consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	RLDVRGSTKIEEGS.GDNKTQ	IGKITK	IKVVKNKV	APPFKE	VALVD	IMF	GEGIS	ST	GEL	LN	IAVEE	GI	IKKSG	AWFAY	NDE	314	
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NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	APPFKE	AVVE	IMY	GEGIS	KT	GEL	LK	IASD	L	DI	IKKAG	AWYSY	KDE	313
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	APPFKE	AVVE	IMY	GEGIS	KT	GEL	LK	IASD	L	DI	IKKAG	AWYSY	KDE	313
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	APPFKE	AVVE	IMY	GEGIS	KT	GEL	LK	IASD	L	DI	IKKAG	AWYSY	KDE	313
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKV	APPFKE	AFVE	IMY	GEGIS	KT	GEL	LK	IASD	L	DI	IKKAG	AWYSY	KDE	313
NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKV	APPFKE	AFVE	IMY	GEGIS	KT	GEL	LK	IASD	L	DI	IKKAG	AWYSY	KDE	313
NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRGNTQIKGTG.EQKDSN	IGKETK	IKVVKNKV	APPFKE	AFVE	IIY	GEGIS	RT	GEL	VK	IASD	L	DI	IKKAG	AWYSY	NGE	313
NTDB id 453 Spy49 1753c AC162003.1	RLDVRGTTQIKGTG.DQKDSN	IGKETK	IKVVKNKV	APPFKE	AEVE	IMY	GEGIS	RT	GEL	VK	IASD	L	DI	IKKAG	AWFSY	NGE	313
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NTDB id 625 LCA RS02525 WP 011374196.1	RLEVRRAETIKNGT.....	DMIGN	RARIKVVKNKV	APPFKE	AEVD	IMY	GQGIS	RT	GEL	VD	MAVEK	DI	INKSG	SWSY	GSE	296	
NTDB id 23494 DP RS14965 WP 011190199.1	RLDIRRIGA....I.KDGQEIT	GNRTRV	KVVKNKV	APPFKE	IAEFD	IIY	GEGIS	KIGDM	FDL	AVGL	DI	IDKSG	SWSY	KNE	299		
NTDB id 1245 Cj1673c YP 002345041.1	RLDVRKIVAT....L.KQNEEP	IGNRVK	VVVKNKV	APPFQR	AEFD	VMF	GEGLS	REGEL	IDYGV	KLD	IVDK	SG	AWF	SYKDK	296		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	RLDIRRIAA....L.KQNEQH	IGNRAK	AKVVKNKV	APPFRE	AEFD	IMF	GEGIS	KEGE	I	IDYGV	KLD	IVDK	SG	AWLSY	QDK	298	
NTDB id 1211 C694 RS00795 WP 000963128.1	RLDIRRIAS....L.KQNEQH	IGNRAK	AKVVKNKV	APPFRE	AEFD	IMF	GEGIS	KEGE	I	IDYGV	KLD	IVDK	SG	AWLSY	QDK	298	
NTDB id 1334 RAOC RS04870 WP 004918236.1	RLDIRRSLSDTGKIKDKSGEV	IGNRTK	VVVKNKV	APPFKS	AEFD	IMY	GEGVSK	VGEILD	VATD	L	DI	IQKSG	SWFSY	QDT	309		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRRCGV....V.KDGDEI	IGSETK	VVVKNKV	APPFREV	QFD	IMY	GEGIS	RMNELL	ILAE	ANGFI	KKSG	AWFSY	DGT	312			
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NTDB id 1123 OK783 RS03845 WP 003688695.1	RLDIRRTGS....I.KKGEVL	GNETRV	KVIKNKV	APPFQ	AEFD	ILY	GEGIS	WEGEL	IDIGV	KNDI	INKSG	AWYSY	NGA	296			
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NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRRTGA....V.KEGDEV	VGSETR	VVVKNKV	APPFQ	AEFQ	ILY	GKGIY	RNGEI	IDL	GV	QQGL	LVEK	SG	AWY	AYKGS	295	
consensus	!***!*	*	**	*****!***!!*!!*!!*	*	*****!*	*****	*****	*	***	!	!*****!					

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NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGS	ENAKKYLAENPEVFAEIDHQVRVQFGLIDGEEAAES...KK	DE....VAQVDS..VNEEVTLDLGDELEIEIE	383
NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEEKQSSKE	ETDEK..ADKNLVLELDDTIELED.	383
NTDB id 453 Spy49 1753c ACI62003.1	KIGQGS	ENAKRYLADHPQLFDEIDRKVRVKFGLLEESSEESAMAVASE	E.....TDDLALDLNGIEIED.	378
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NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGR	DTVKELIKDNPELAEELEAKIREKLQAK.....		343
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NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGR	DNCREFLRENAELAREIENKVREHLGVTPMGAVTLA.EEVE	ED.....	352
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	KIGQGG	KANACKYLLKENPEIAKTLDDKKLREMLLNPENMQLIAETSSA	ADV.EFG.....AVPEEF.....	354
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NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQGG	KANAACKYLLKENPEIGQEIEQQIRAKLLVTSANTKATPVAED	LADA.DI.....	347
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NTDB id	228	SPD	RS09265	WP	001085462.1	E	388
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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	1334	RA0C	RS04870	WP	004918236.1	.	343
NTDB id	1389	A4U84	RS07560	WP	021112712.1	.	372
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NTDB id	1124	NGFG	RS03960	WP	003688695.1	.	348
NTDB id	1123	OK783	RS03845	WP	003688695.1	.	348
NTDB id	1427	RS	RS02760	WP	011000510.1	.	352
NTDB id	1165	A1552VC	RS01565	WP	000344154.1	.	354
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							

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