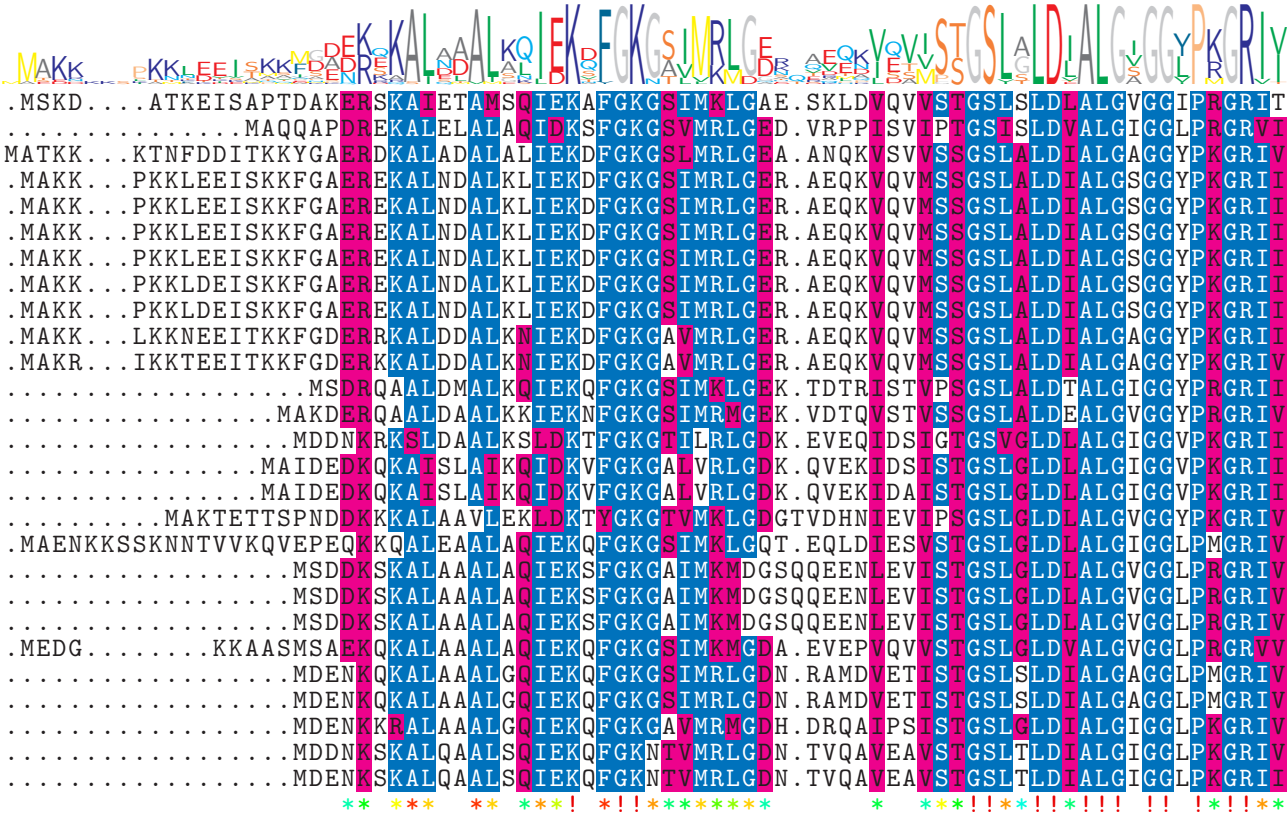


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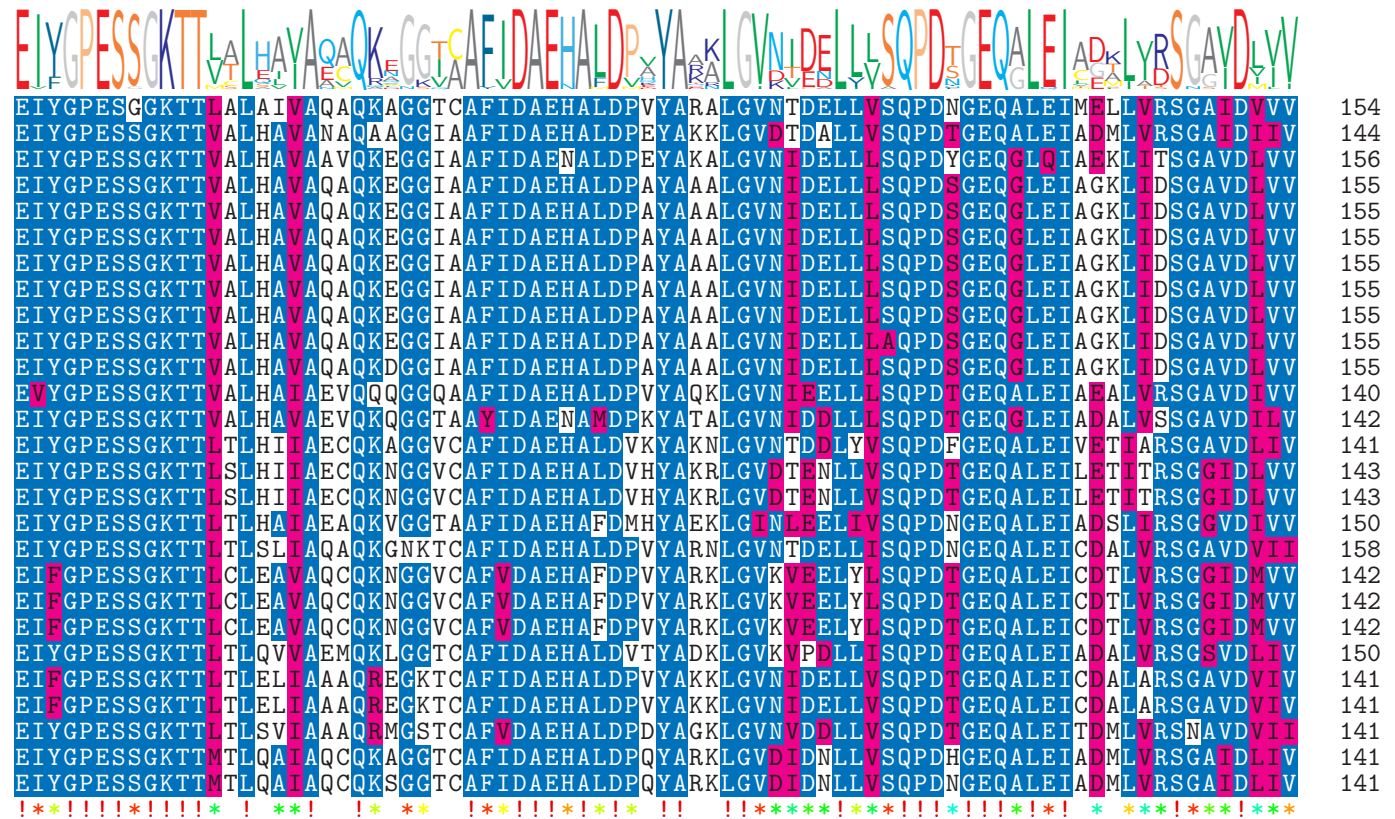


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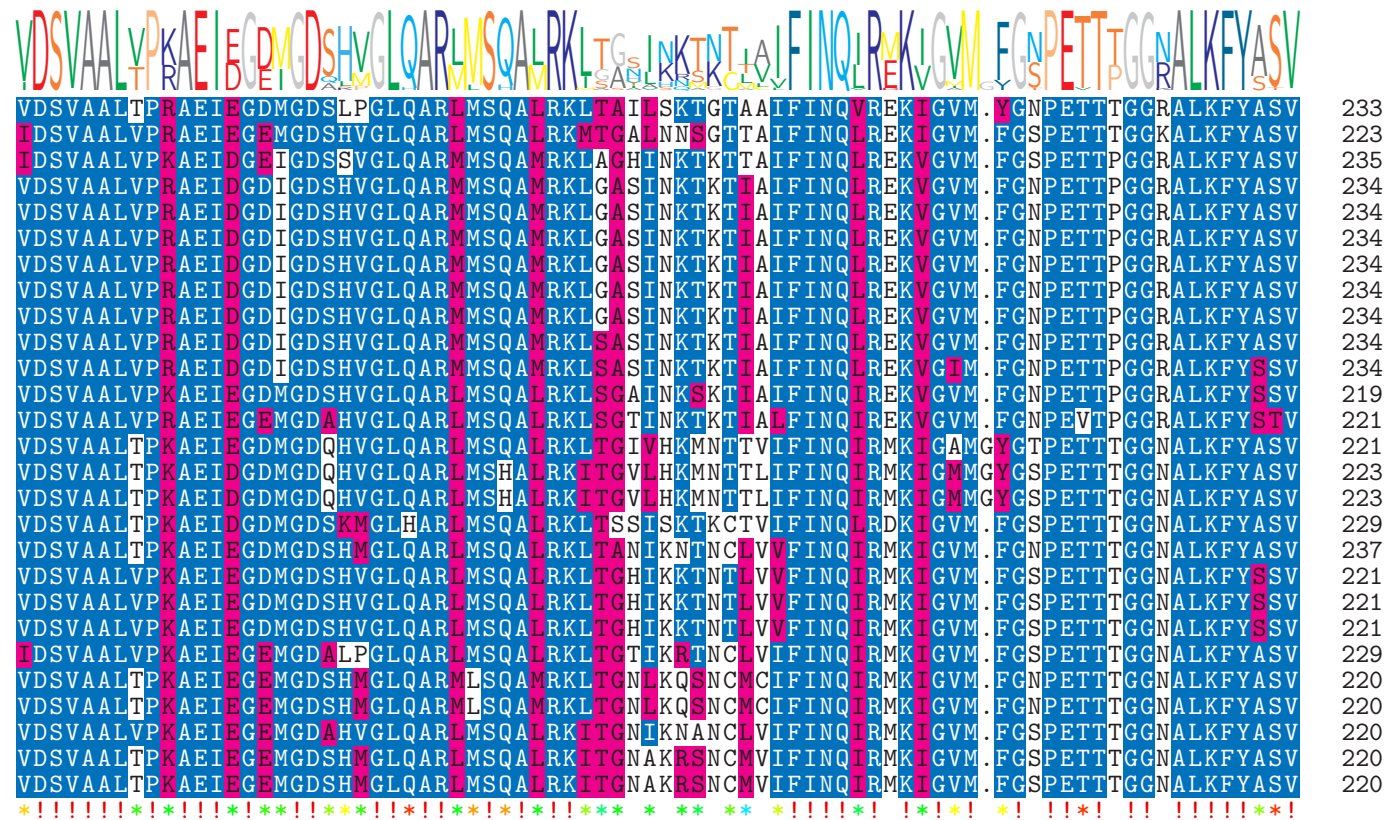
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consensus

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NTDB id 78842 NTM RS23930 WP 163768446.1	RLDVRRIETLKDGT....DA	VGNRT	RVKVVKNKV	SPPFK	QAEF	DILYGR	GISREG	SLID	MGVE	QGGF	IRKSG	SWFT	YDGE	298		
NTDB id 600 KW2 RS01765 WP 011675413.1	RLDVRGSTKIEEGS.GDNKT	QIGKIT	IKVVKNKV	APPFK	VALVD	IMFG	EGISST	GELN	IAVEE	GI	IKKSG	AWFAY	NDE	314		
NTDB id 269 KZH43 RS08665 WP 001085462.1	RLDVRGNTQIKGTG.DQK	ETNVG	KETKIKVVKNKV	APPFK	EA	AVVE	IMYGE	GISK	TGELL	KIAS	DL	DI	IKKAGAWYSYKDE	313		
NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRGNTQIKGTG.DQK	ETNVG	KETKIKVVKNKV	APPFK	EA	AVVE	IMYGE	GISK	TGELL	KIAS	DL	DI	IKKAGAWYSYKDE	313		
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRGNTQIKGTG.DQK	ETNVG	KETKIKVVKNKV	APPFK	EA	AVVE	IMYGE	GISK	TGELL	KIAS	DL	DI	IKKAGAWYSYKDE	313		
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRGNTQIKGTG.DQK	ETNVG	KETKIKVVKNKV	APPFK	EA	AVVE	IMYGE	GISK	TGELL	KIAS	DL	DI	IKKAGAWYSYKDE	313		
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRGSTQIKGTG.DQK	DTNVG	KETKIKVVKNKV	APPFK	EA	FVE	IMYGE	GISK	TGELL	KIAS	DL	DI	IKKAGAWYSYKDE	313		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRGSTQIKGTG.DQK	DTNVG	KETKIKVVKNKV	APPFK	EA	FVE	IMYGE	GISK	TGELL	KIAS	DL	DI	IKKAGAWYSYKDE	313		
NTDB id 453 Spy49 1753c ACI62003.1	RLDVRGTTQIKGTG.DQK	DSSIG	KETKIKVVKNKV	APPFK	V	AEVE	IMYGE	GISR	TGELV	KIAS	DL	DI	IKKAGAWFSYNGE	313		
NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRGNTQIKGTG.EQK	DSNIG	KETKIKVVKNKV	APPFK	EA	FVE	IIYGE	GISR	TGELV	KIAS	DL	GI	IKKAGAWFSYNGE	313		
NTDB id 115 BSU 16940 NP 389576.2	RLEVRRAEQLKQGN.....D	VMGN	KT	IKVVKNKV	APPFR	T	AEVD	IMYGE	GISKE	GE	II	DLG	TELDIVQKSGSWYSYEEE	294		
NTDB id 625 LCA RS02525 WP 011374196.1	RLEVRRAETIKNGT.....D	MIGN	RA	IKVVKNKV	APPFK	V	AEVD	IMYGG	QGISR	TGELV	D	MAVEK	DIINKSGSWYSYGSE	296		
NTDB id 1245 Cj1673c YP 002345041.1	RLDVRKVAT....L.KQNE	EP	IGNRV	KVVKNKV	APPFR	Q	AEFD	DMF	GEGLS	R	EGELID	YGV	KLDIVDKSGAWFSYKDK	296		
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRIAA....L.KQNE	QH	IGNRA	KVVKNKV	APPFR	E	AEFD	DMF	GEGIS	KEGE	II	DYGV	KLDIVDKSGAWLSYQDK	298		
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRSLSDTGKIKDKSGE	VIGN	RTK	VVVKNKV	APPFK	S	AEFD	IMYGE	G	VSKV	GEILD	VAT	DLDIQKSGSWFSYQDT	309		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRRCGV....V.KDG	DEI	IGSE	TKVVKNKV	APPFR	E	REV	QFD	IMYGE	GISR	MNELL	ILAE	ANGFIKKSGAWFSYDGT	312		
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NTDB id 1123 OK783 RS03845 WP 003688695.1	RLDIRRTGS....I.KKG	EEVL	GNETR	VKV	IKNV	APPFR	Q	AEFD	DILYGE	GISW	EGELID	IGV	KNDIINKSGAWSYNGA	296		
NTDB id 1427 RS RS02760 WP 011000510.1	RLDIRRIGS....I.KKG	DEV	VGN	ETK	VVVKNKV	APPFR	E	AI	F	DILY	GAGV	SREGE	IIDLGVEAKVVEKSGAWSYNGE	304		
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRRIGQ....V.KEG	DEI	VGS	ETK	VVVKNK	M	APPFK	E	AI	F	Q	I	LYGK	G	TNQLGELVDLAVQQDIVQKAGAWYSYQGN	295
consensus	!***!*	*	**	*****!***!!*****!* *	*****!*!*****	*****	***	***	!****	***	***	!****	***			

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NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED.	383	
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGGKNN	VIRYFEENNQIAEEIERNIREQLLTGTNGAVQ.I.EDEEEP.DLL..L.....ES.....	349	
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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
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NTDB id	408	SMU	RS09530	WP	002262392.1	.	383
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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	1205	PSJM300	05545	AFN77183.1	.		347
NTDB id	1022	ACIAD	RS06390	WP	004925639.1	.	349
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consensus							

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