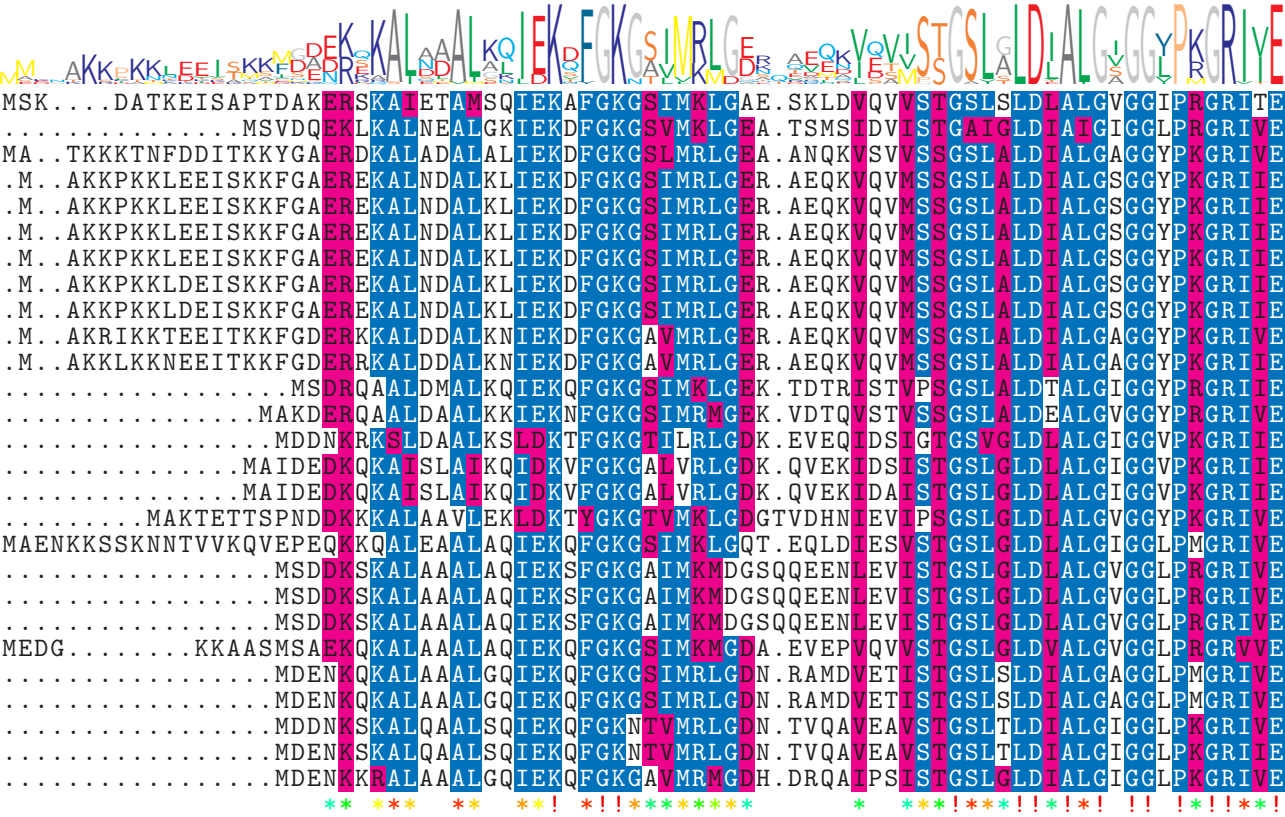


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NTDB id 1142 GTF74 RS11550 WP 000344154.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
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consensus



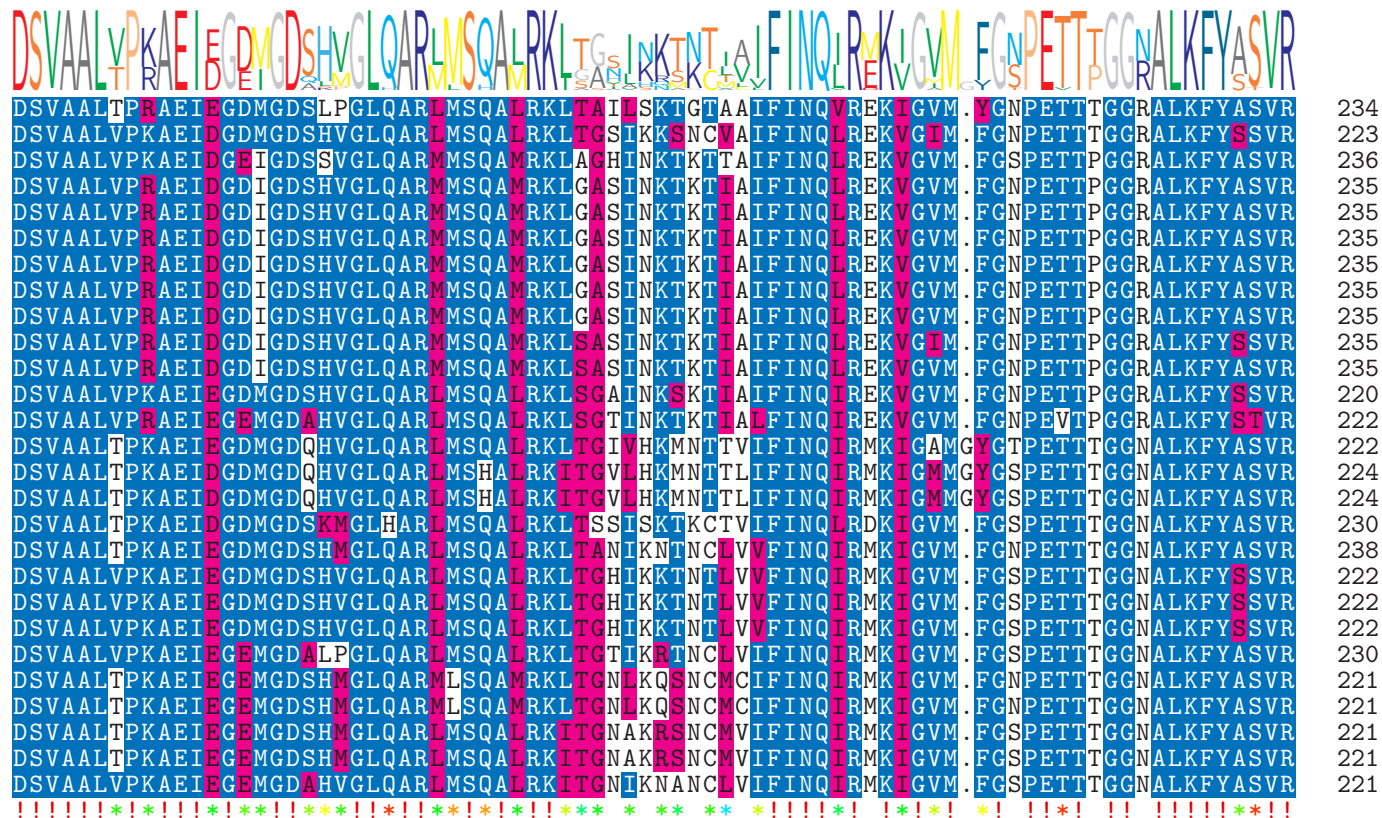
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NTDB id 600 KW2 RS01765 WP 011675413.1	IYGPESGKTTVALHAVA	157
NTDB id 269 KZH43 RS08665 WP 001085462.1	IYGPESGKTTVALHAVA	156
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consensus

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NTDB id 1313 DR RS12030 WP 010888966.1	LDVRRKIGQ...PTKVGND	AVANTV	KIKTVKNKVA	APPFKE	VELA	LVY	GK	GFD	QLS	DL	VGL	AADM	DI	IK	KAGS	FYSY	GDE	R	310
NTDB id 292332 CDIF27147 RS06605 WP 003428218.1	LDVRKIDTIKQGD...	KVIG	SRTR	VKVVK	NKV	VAPPF	KQ	AEF	D	IM	Y	G	E	G	I	S	K	I	298
NTDB id 600 KW2 RS01765 WP 011675413.1	LDVRGSTKIEEGS.GDNKTQ	IGKIT	KIKVV	KNK	VAPPF	KV	AL	V	D	I	M	F	G	E	G	I	S	T	315
NTDB id 269 KZH43 RS08665 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKET	KIKVV	KNK	VAPPF	K	AV	V	E	I	M	Y	G	E	G	I	S	K	314
NTDB id 228 SPD RS09265 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKET	KIKVV	KNK	VAPPF	K	AV	V	E	I	M	Y	G	E	G	I	S	K	314
NTDB id 194 SPR RS08825 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKET	KIKVV	KNK	VAPPF	K	AV	V	E	I	M	Y	G	E	G	I	S	K	314
NTDB id 159 SP RS09750 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKET	KIKVV	KNK	VAPPF	K	AV	V	E	I	M	Y	G	E	G	I	S	K	314
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LDVRGSTQIKGTG.DQKDTN	VGKET	KIKVV	KNK	VAPPF	K	AV	V	E	I	M	Y	G	E	G	I	S	K	314
NTDB id 499 SM12261 RS08315 WP 078228268.1	LDVRGSTQIKGTG.DQKDTN	VGKET	KIKVV	KNK	VAPPF	K	AV	V	E	I	M	Y	G	E	G	I	S	K	314
NTDB id 408 SMU RS09530 WP 002262392.1	LDVRGNTQIKGTG.EQKDSN	IGKET	KIKVV	KNK	VAPPF	K	AV	V	E	I	T	Y	G	E	G	I	S	R	314
NTDB id 453 Spy49 1753c ACI62003.1	LDVRGTTQIKGTG.DQKDS	SSIG	KET	KIKVV	KNK	VAPPF	K	VA	E	V	E	I	M	Y	G	E	G	I	314
NTDB id 115 BSU 16940 NP 389576.2	LEVRRRAEQLKQGN....	DVM	GN	KTK	KIKVV	KNK	VAPPF	R	T	A	E	V	D	I	M	Y	G	E	295
NTDB id 625 LCA RS02525 WP 011374196.1	LEVRRRAETIKNGT....	DM	GN	R	A	R	KIKVV	KNK	VAPPF	K	VA	E	V	D	I	M	Y	G	297
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NTDB id 1211 C694 RS00795 WP 000963128.1	IDIRRIAS....L.KQNE	QH	IGN	R	A	KIKVV	KNK	VAPPF	R	E	A	E	F	D	I	M	F	G	299
NTDB id 1214 NCTC11637 00359 SQJ03206.1	IDIRRIAA....L.KQNE	QH	IGN	R	A	KIKVV	KNK	VAPPF	R	E	A	E	F	D	I	M	F	G	299
NTDB id 1334 RA0C RS04870 WP 004918236.1	IDIRISLSDTGKIKDKS	GEV	IGN	R	T	KIKVV	KNK	VAPPF	R	K	S	A	E	F	D	I	M	Y	310
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NTDB id 1130 NGFG RS03960 WP 003688695.1	LDIRRTGS....I.KKG	EEV	LG	NET	R	V	KIK	KNK	VAPPF	R	Q	A	E	F	D	I	L	Y	297
NTDB id 1124 NGFG RS03960 WP 003688695.1	LDIRRTGS....I.KKG	EEV	LG	NET	R	V	KIK	KNK	VAPPF	R	Q	A	E	F	D	I	L	Y	297
NTDB id 1123 OK783 RS03845 WP 003688695.1	LDIRRTGS....I.KKG	EEV	LG	NET	R	V	KIK	KNK	VAPPF	R	Q	A	E	F	D	I	L	Y	297
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	LDIRRTGA....I.KEG	EEV	VG	NET	R	KIKVV	KNK	I	A	A	P	F	K	E	A	N	T	Q	296
NTDB id 1142 GTF74 RS11550 WP 000344154.1	LDIRRTGA....I.KEG	EEV	VG	NET	R	KIKVV	KNK	I	A	A	P	F	K	E	A	N	T	Q	296
NTDB id 1022 ACIAD RS06390 WP 004925639.1	LDIRRIGQ....V.KEG	DEI	IG	SET	KIKVV	KNK	M	A	P	P	F	R	E	A	I	F	Q	I	296
NTDB id 1074 ABD1 RS10195 WP 000344167.1	LDIRRIGQ....V.KEG	DEI	VG	SET	KIKVV	KNK	M	A	P	P	F	R	E	A	I	F	Q	I	296
NTDB id 1205 PSJM300 05545 AFN77183.1	LDIRRTGA....V.KEG	DEV	VG	SET	R	V	KIKVV	KNK	VAPPF	R	Q	A	E	F	Q	I	L	Y	296
consensus	***!*		*	*	*	*	*	*	!*	!*	!*	!*	!*	*	*	*	*	*	*

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NTDB id 194 SPR RS08825 WP 001085462.1	IGQGSENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE	388
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NTDB id 499 SM12261 RS08315 WP 078228268.1	IGQGSENAKKYLADNPEIFDEIDHQVVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	IGQGSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNEEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNGIEIED..	378
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NTDB id 1214 NCTC11637 00359 SJ03206.1	LGQGGRENAKALLKEDKALADEITLTKIKESIGSNEEIMPLPDE..PLEEM.E.....	347
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NTDB id 1130 NGFG RS03960 WP 003688695.1	IGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGER.....PEE.....	348
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NTDB id 1123 OK783 RS03845 WP 003688695.1	IGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGER.....PEE.....	348
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	IGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPNENMQLIAETSSAADV.EFGAV.....PEEF.....	354
NTDB id 1022 ACTAD RS06390 WP 004925639.1	IGQGGKNNVIRYLEENPQISTEIEAVIREQLLTAKASDQTA..HDETEEEP.DLL.....ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IGQGGKNNVIRYFEENPQIAEIEIERNIREQLLTGTNGAVQ.I.EDEEEP.DLL.....LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	IGQGGKANAKYLLKENPEIIGQIEIQQIRAKLLVTSANTKATPVAEDLADA.DI.....	347
consensus	*!!!!***** ** ***** ***** ** *	

- X non conserved
- X similar
- X $\geq 50\%$ conserved