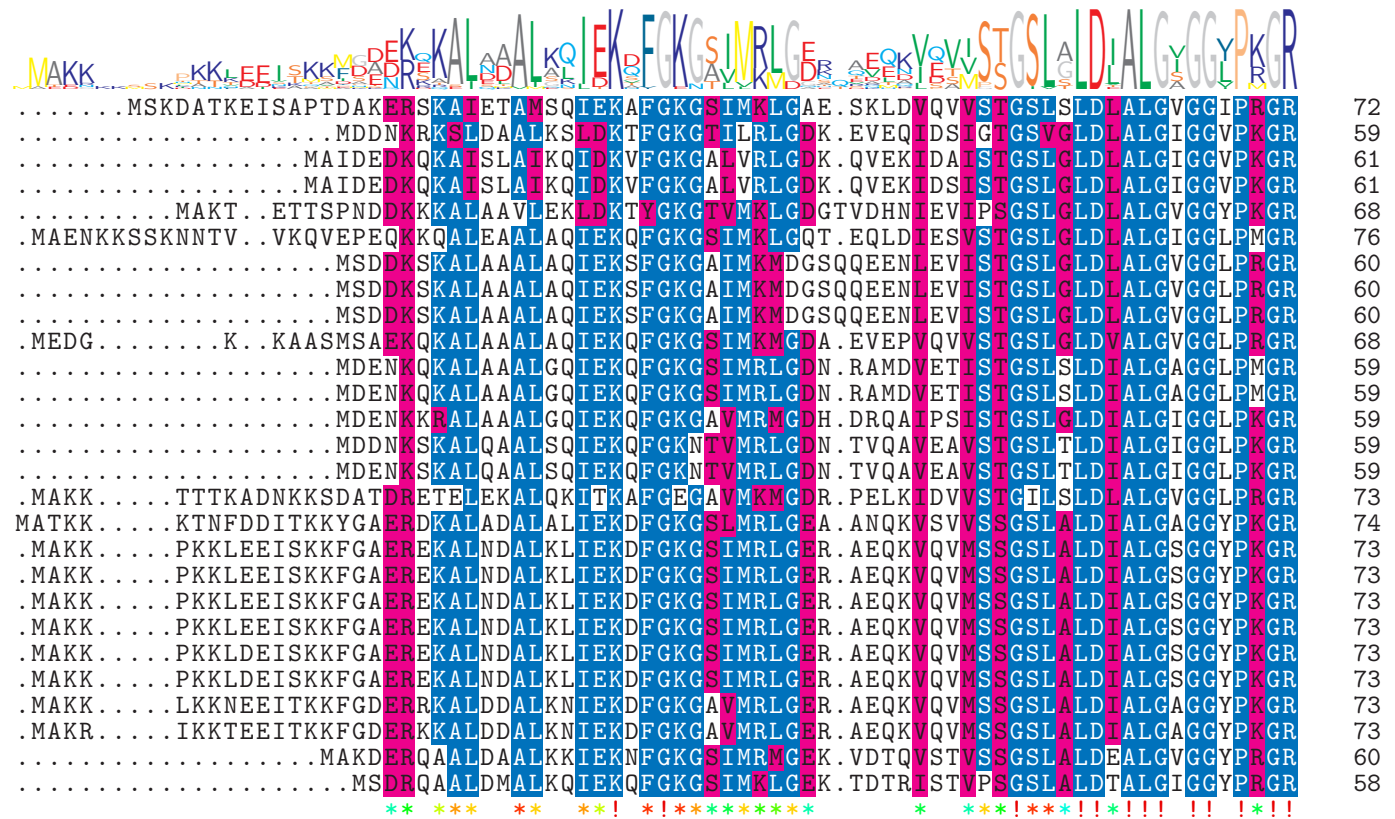


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consensus

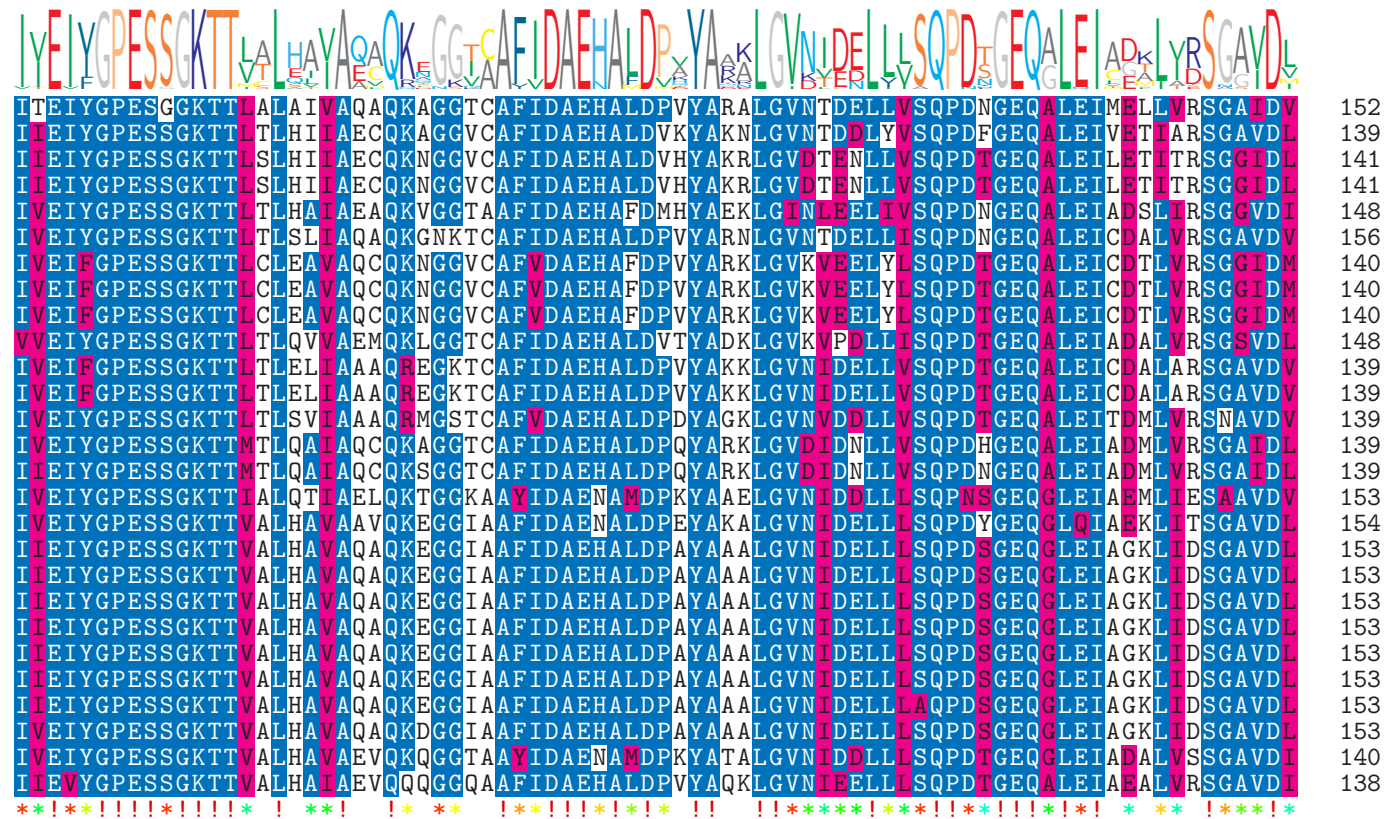
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NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 115 BSU 16940 NP 389576.2
consensus

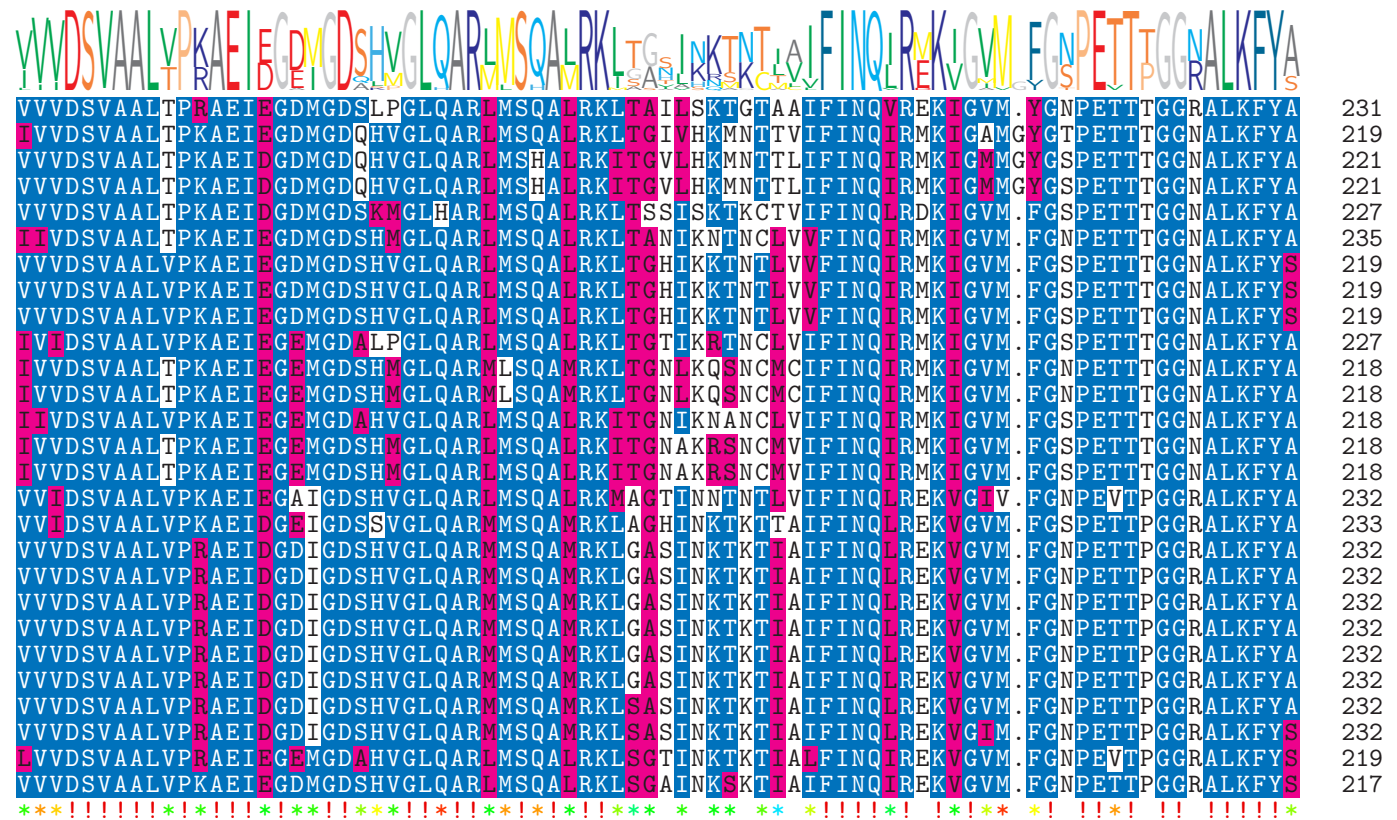
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NTDB id 115 BSU 16940 NP 389576.2
consensus

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NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ...PTKVGND	AVANTV	KIKTVKNKVA	APFKE	VELA	LVY	GK	GFD	QLS	DLV	GLAA...	DMD	I	I	K	K	A	G	S	F	303
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT...L.KQN	EEP	IGNRV	KVKVKNKV	APPFR	QAEF	D	V	M	F	G	E	G	L	S	R	E	G	E	L	290
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA...L.KQNE	QHI	GNRA	KAKVVK	NKVAPP	FR	E	A	E	F	D	I	M	F	G	E	G	I	S	K	292
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS...L.KQNE	EQH	GNRA	KAKVVK	NKVAPP	FR	E	A	E	F	D	I	M	F	G	E	G	I	S	K	292
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKS	GEV	IGNR	TKVKVVK	NKVAPP	PF	K	S	A	E	F	D	I	M	Y	G	E	G	V	S	303
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV...V.KDG	DEI	IGSE	TKVKVVK	NKVAPP	FR	E	V	Q	F	D	I	M	Y	G	E	G	I	S	R	306
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEV	LGNE	TRVKV	IKNKVAPP	FR	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	290
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEV	LGNE	TRVKV	IKNKVAPP	FR	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	290
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NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS...I.KKG	DEV	VGNE	TKVKVVK	NKVAPP	FR	E	A	I	F	D	I	L	Y	G	A	G	V	S	R	298
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA...I.KEG	EEV	VGNE	TRIKVVK	NK	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	289
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA...I.KEG	EEV	VGNE	TRIKVVK	NK	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	289
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA...V.KEG	DEV	VGSE	TRVKVVK	NKVAPP	FR	Q	A	E	F	Q	I	L	Y	G	K	G	I	Y	R	289
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ...V.KEG	DEI	IGSE	TKVKVVK	NKMAPP	PF	R	E	A	I	F	Q	I	L	Y	G	K	G	V	N	289
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NTDB id 395385 GFB59 RS12770 WP 005688163.1	SVRIEVRKGGQVKD	GK....NV	VGFA	SKL	KV	T	K	N	K	V	A	P	P	F	K	T	V	E	T	T	307
NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS	.GDNKTQ	IGKI	TKIKVVK	NKVAPP	FK	V	A	L	V	D	I	M	F	G	E	G	I	S	T	308
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG	.DQKETN	VGKE	TKIKVVK	NKVAPP	PF	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	307
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG	.DQKETN	VGKE	TKIKVVK	NKVAPP	PF	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	307
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG	.DQKETN	VGKE	TKIKVVK	NKVAPP	PF	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	307
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG	.DQKETN	VGKE	TKIKVVK	NKVAPP	PF	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	307
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG	.DQKDTN	VGKE	TKIKVVK	NKVAPP	PF	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	307
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG	.DQKDTN	VGKE	TKIKVVK	NKVAPP	PF	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	307
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG	.DQKDS	IGKE	TKIKVVK	NKVAPP	PF	K	V	A	E	V	E	I	M	Y	G	E	G	I	S	307
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NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRR	AETIKNGT....DM	IGNR	ARI	KVVK	NKVAPP	PF	K	V	A	E	V	D	I	M	Y	G	G	I	S	290
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRR	AEQLKQGN....DV	MGNK	TKIKVVK	NKVAPP	FR	T	A	E	V	D	I	M	Y	G	E	G	I	S	K	288
consensus	*!!**!*		*	**	*****!!*!!*!!*!!*	*		*****!!*!!**	*****	*		***	!	!!*							

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NTDB id 1313 DR RS12030 WP 010888966.1	YSYGDERIGQGKEKTIAYIAERP	MEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAAEA.....	363
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NTDB id 1211 C694 RS00795 WP 000963128.1	LSYQDKKLGGGRENAKALLKEDK	ALADEITLKIKESIGSNEEI.....MPLPDEP..LEEME.....	347
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NTDB id 1205 PSJM300 05545 AFN77183.1	YAYKGSKIGQGKANAAKYLEEN	PEIGQEIEQQIRAKLLVTSAN.....TKATPVAED	347
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NTDB id 499 SM12261 RS08315 WP 078228268.1	YSYKDEKIGQGS	ENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE...	376
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NTDB id 625 LCA RS02525 WP 011374196.1	YSYGSERIGQGREN	AKNYLADHEDVEDEVRLKVRAAYGISDVPEED	355
NTDB id 115 BSU 16940 NP 389576.2	YSYEEEE	RLGQGRENAKQFLKENKDIMLMIQEQIREHYGLD	348
consensus	***!!	***!!!***** ** * *** ***** ** **	

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NTDB id 269 KZH43 RS08665 WP 001085462.1	ELEIEIEE..		388
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NTDB id 194 SPR RS08825 WP 001085462.1	ELEIEIEE..		388
NTDB id 159 SP RS09750 WP 001085462.1	ELEIEIEE..		388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	ELEIEIEE..		384
NTDB id 499 SM12261 RS08315 WP 078228268.1	ELEIEIEE..		384
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NTDB id 408 SMU RS09530 WP 002262392.1	TIELED....		383
NTDB id 625 LCA RS02525 WP 011374196.1			355
NTDB id 115 BSU 16940 NP 389576.2			348
consensus			

- X non conserved
- X similar
- X ≥ 50% conserved