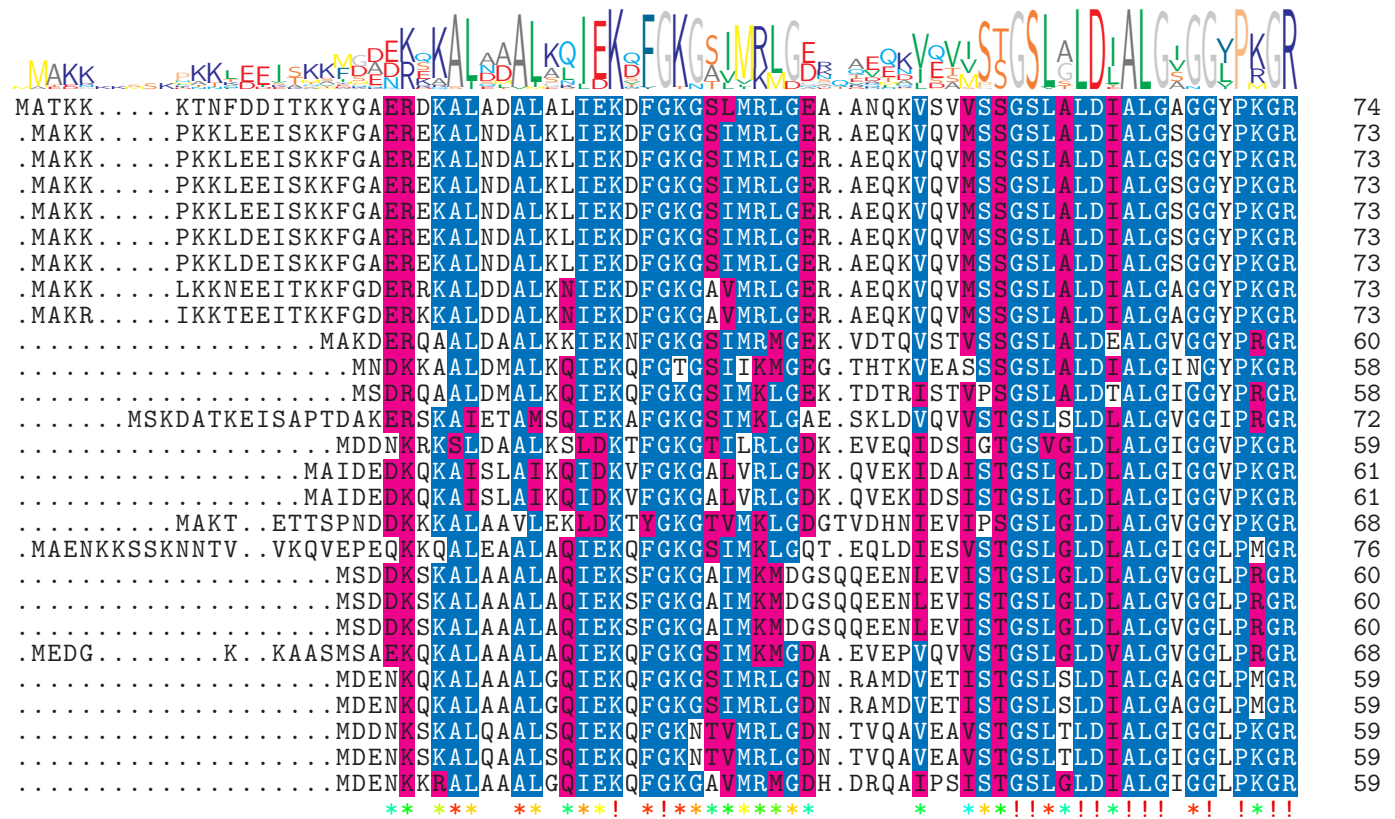


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NTDB id 1211 C694 RS00795 WP 000963128.1
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NTDB id 1130 NGFG RS03960 WP 003688695.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

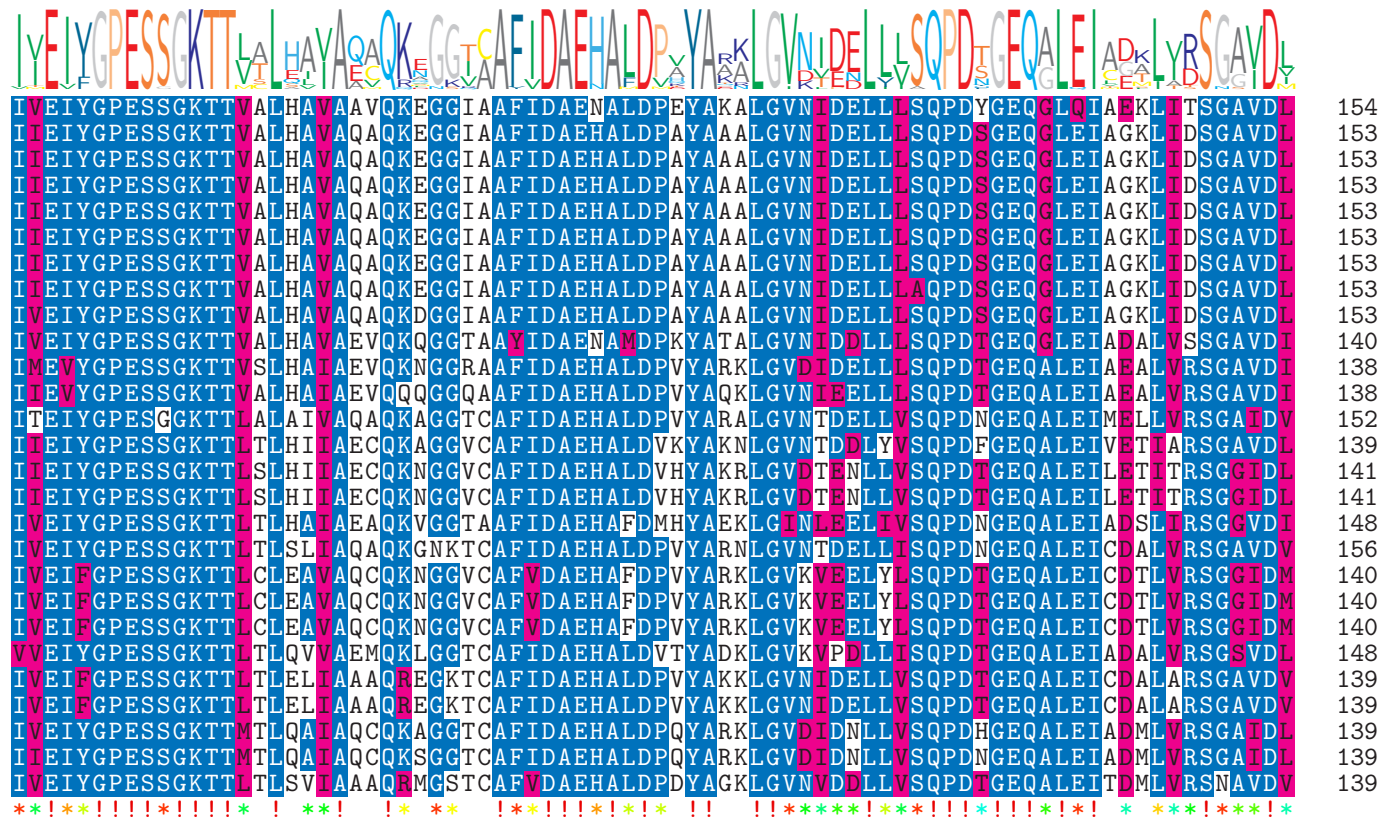
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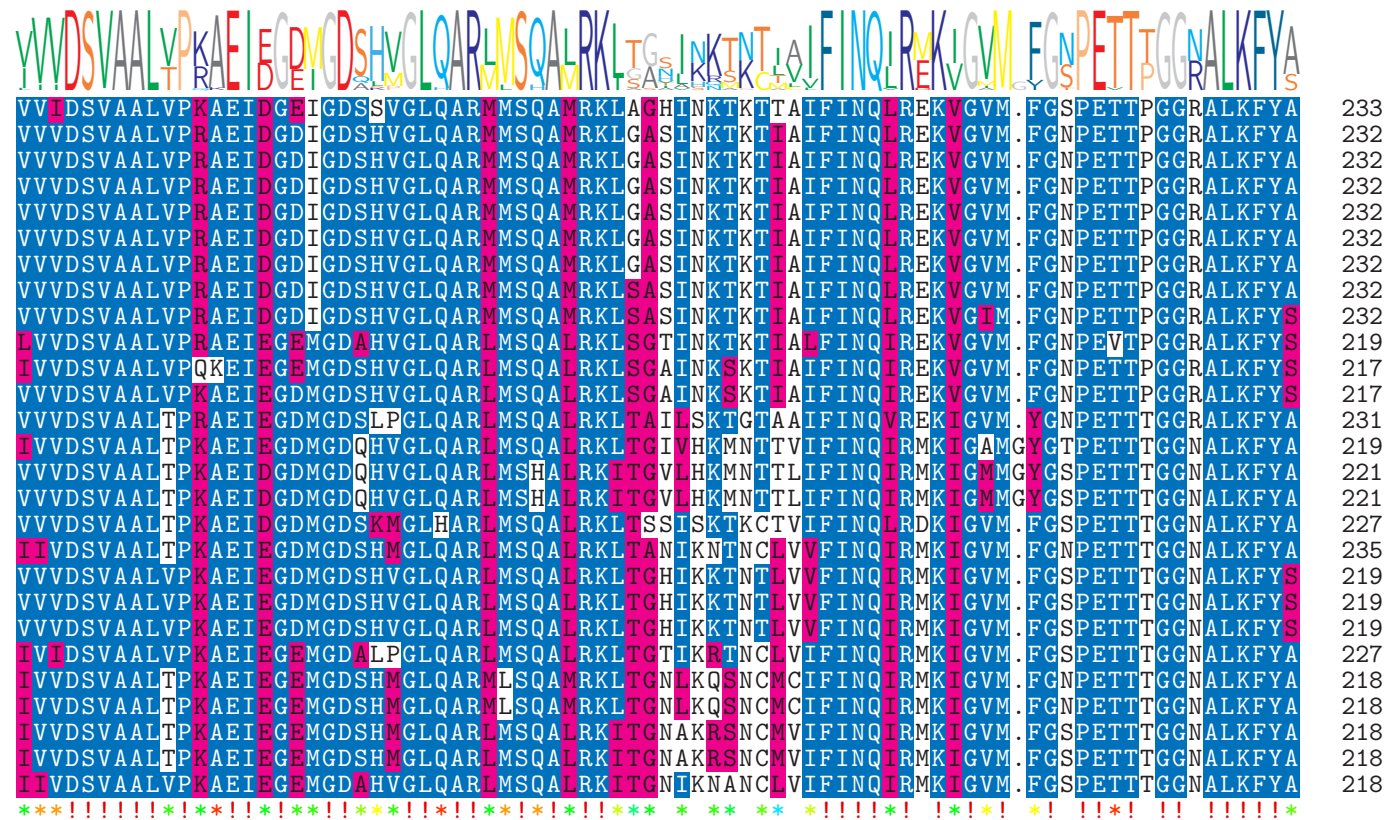
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NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus



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NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
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NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSIGKETKIKVVKNKVAPPFKEAEVEIMYEGEGISRTGELVKIASDLDIQKAGAWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIIMYEGEGISRTGELVKIASDLGIQKAGAWYSYN	311
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKEAEVDIMYGGGISRTGELVDMAVEKDIINKSGSWYSYG	294
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NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYEGEGISKEGEIIDLGTELDIVQKSGSWYSYE	292
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGDEIIGSETKVVVVKNKVAPPFREVQFDIMYEGEGISRMNELLILAEANGFIKKSGAWFSYD	310
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVVVVKNKMAPPFREAIFFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
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consensus	*!!**!* * ** *****!*****!!*!!*!!* * *****!*!*** ***** ** *** ! !*****!	

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRA	AHGL	LDDSEVAE	...	TEE	ETTAS	TKAKAKKEEK	AVETEE	IELELED	387			
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRS	KFGL	LIDGEEVSE	...	QDT	ENKK	DE	...	PKKEEA	VNEEVPLDLGD	380		
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NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRS	KFGL	LIDGEEVSE	...	QDT	ENKK	DE	...	PKKEEA	VNEEVPLDLGD	380		
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NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	DEIDHQVRV	QFGL	LIDGEEIAE	...	SKK	DE	...	AAQVDS	VNEEVTLDLGD	376			
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NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRV	QYGL	IEEDNTEE	...	KQS	SKEK	...	ETDEK	ADKNLVLELDD	377			
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NTDB id 115 BSU 16940 NP 389576.2	EERLGQGR	ENAKQFLKENKD	IMLMIQEQ	IRE	HYGL	...	DNNGVV	...	QQQAEETQ	EE	LEFE	...	348		
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQGG	KEKTIAYIAERP	EMEQUEIR	DRVMA	AIRAGNAGEAPALAPAPA	PEAAEA	...	...	...	...	...	363			
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGQGR	ENSKAFLENPEIA	DEITKAIQN	SMG	IEGMI	...	SGSEDD	...	EGEE	...	...	343			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGQGR	ENAKALLKEDKAL	ADEITLKI	KE	SIGSNEEI	...	MPLPDE	...	PLEEME	...	...	347			
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGQGR	ENAKALLKEDKAL	ADEITLKI	KE	SIGSNEEI	...	MPLPDE	...	PLEEME	...	...	347			
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGQGR	DTVKELIKDNPELA	EELAKIRE	KLQAK	...	...	...	...	...	...	...	343			
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGN	NAVKWLKENPEIA	DKLEQEI	RN	TLASNPN	...	VLKATASDSN	DES	DVEEFS	...	EEEL	...	372		
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQGG	KDNVRVWLKENPEIS	DEIDAKIRA	LNGVEMHI	...	TEGTQDET	DGER	...	P	...	EE	...	348		
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NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFLRENAELARE	EIENKVRE	HLGV	TPMG	...	AVTLA	EEVEED	...	...	...	352			
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGG	KANACKYILKENPEIA	AKTLDKKL	RE	MLLNPENM	...	QLIAETSSAA	DD	VEFGAVP	...	EEF	...	354		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGG	KANACKYILKENPEIA	AKTLDKKL	RE	MLLNPENM	...	QLIAETSSAA	DD	VEFGAVP	...	EEF	...	354		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGG	KNNVIRYFEENNQIA	EIEIERN	IRE	QLLTKASD	...	QTAA	HDETEE	EPDLL	...	E	...	S	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGG	KNNVIRYFEENNQIA	EIEIERN	IRE	QLLTTGTN	...	GAVQ	I	EDEE	EPDLL	...	L	...	ES	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGG	KANAACYLEENPEIG	EIEEQ	IRA	KLLV	TSAN	...	TKATPVAED	LADADI	...	...	...	347		
consensus	***!!!	*****	**	*****	*****	**	**	**	*****	*****	*****	*****			

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		ELELEE	
NTDB id 600 KW2 RS01765 WP 011675413.1			387
NTDB id 269 KZH43 RS08665 WP 001085462.1	ELEIEIEE		388
NTDB id 228 SPD RS09265 WP 001085462.1	ELEIEIEE		388
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
NTDB id 453 Spy49 1753c ACI62003.1	GIEIED..		378
NTDB id 408 SMU RS09530 WP 002262392.1	TIELED..		383
NTDB id 625 LCA RS02525 WP 011374196.1	.....		355
NTDB id 393068 FDZ14 RS19200 WP 013082635.1	.....		345
NTDB id 115 BSU 16940 NP 389576.2	.....		348
NTDB id 1313 DR RS12030 WP 010888966.1	.....		363
NTDB id 1245 Cj1673c YP 002345041.1	.....		343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....		347
NTDB id 1211 C694 RS00795 WP 000963128.1	.....		347
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....		343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.....		372
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....		348
NTDB id 1124 NGFG RS03960 WP 003688695.1			348
NTDB id 1123 OK783 RS03845 WP 003688695.1			348
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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			

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