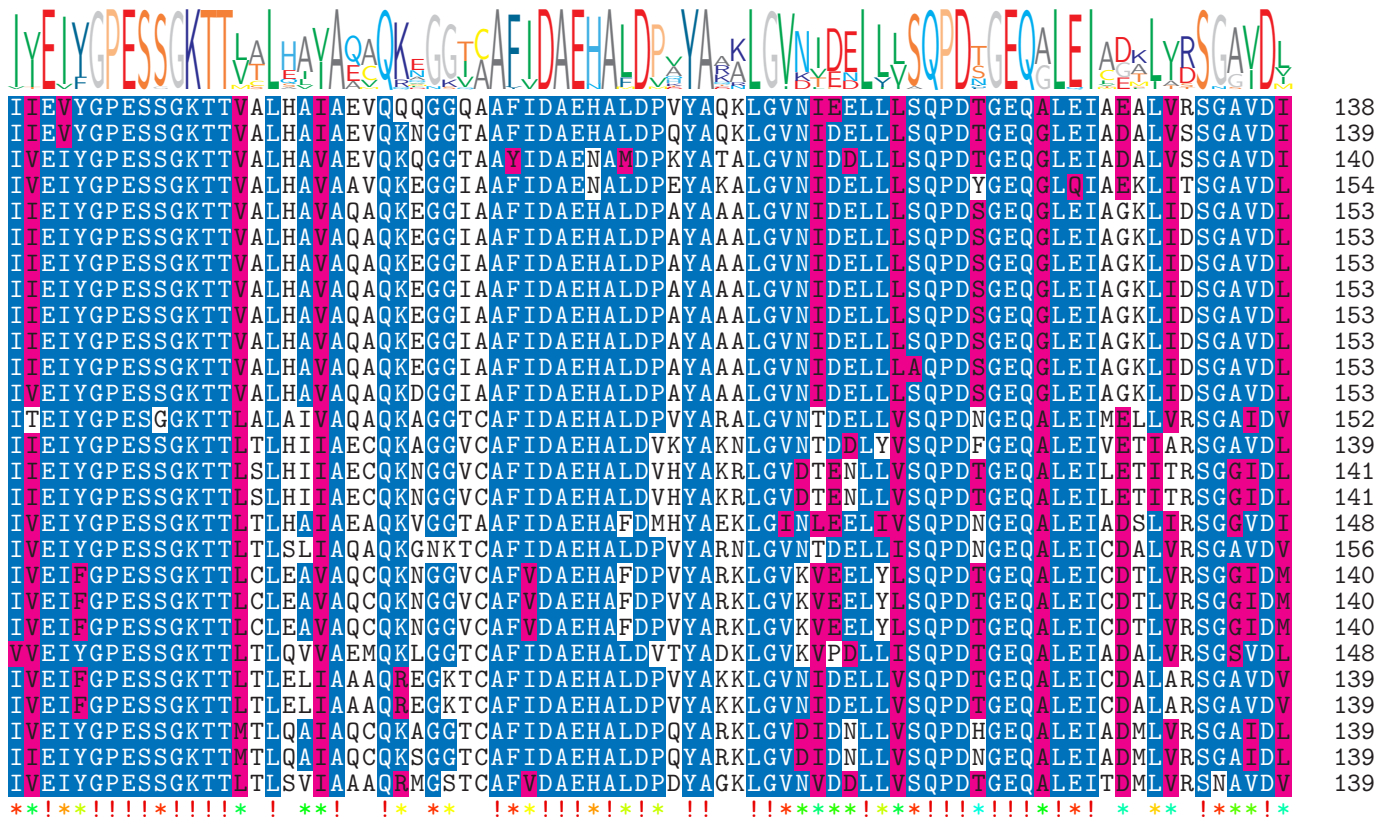


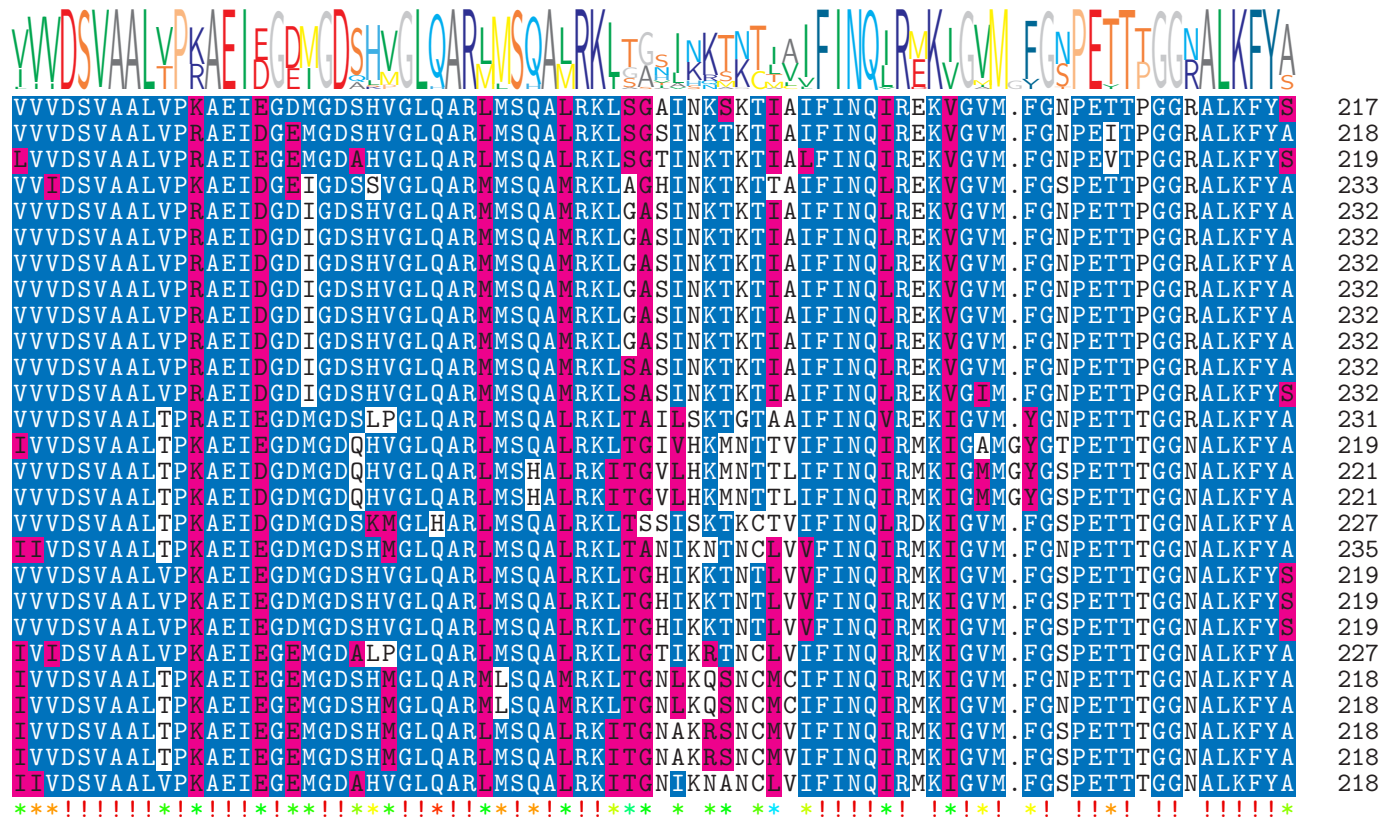
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NTDB id 228 SPD RS09265 WP 001085462.1	.MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR	73
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NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK.....KPKKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAK.....KLKKNEEITKKFGDERRKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDTALCAGGYPRGR	73
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NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDSLSTGSLGLDLALCIGGVPRGR	61
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consensus

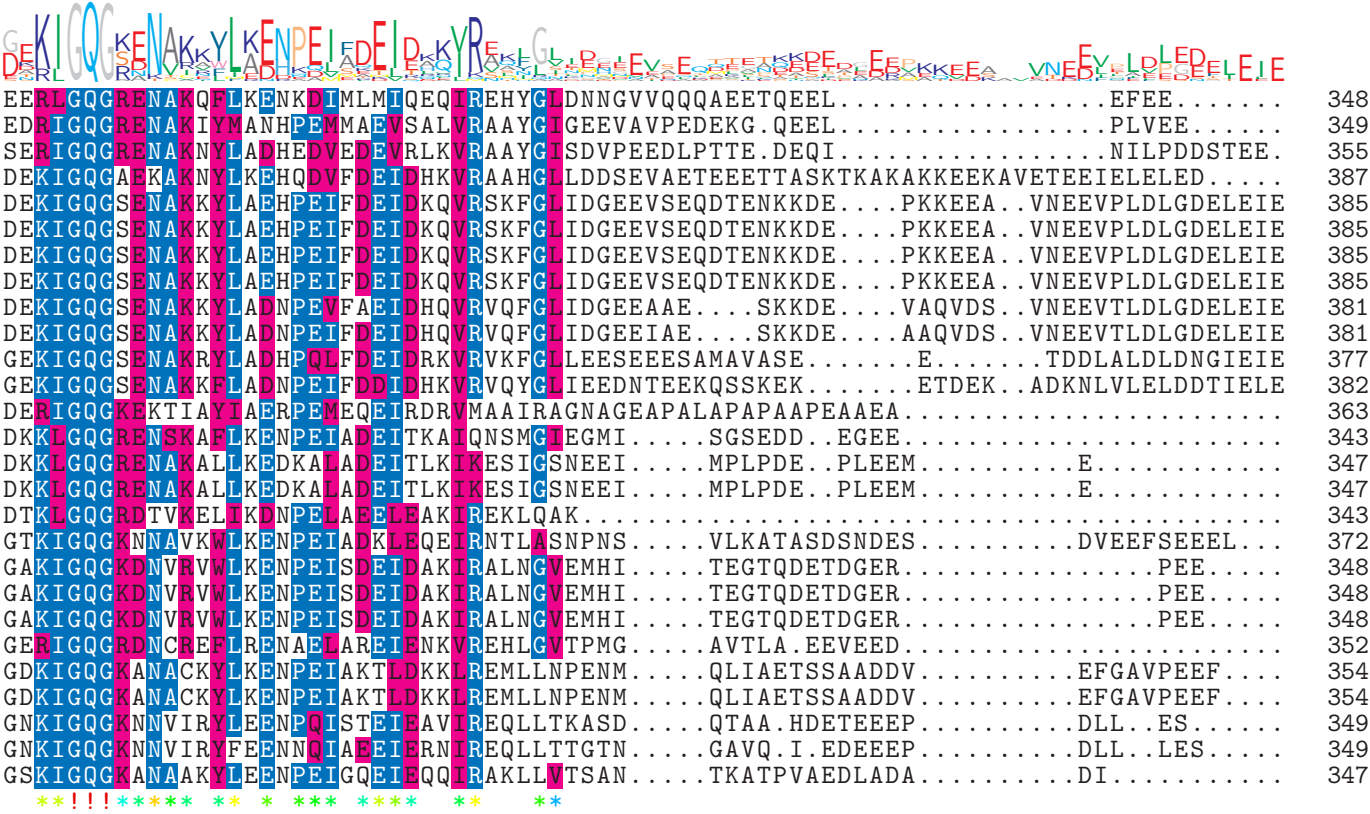


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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQ	ICKITKIKVVKNKVAPPFKVALVDIMFEGEGISSTGELL	NIAVEEGIKKSGAWFAYN	312		
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKE	TNMGKETKIKVVKNKVAPPFKAEAVVEIMYGEGISKT	GELLKIASDLDIKKAGAWYSYK	311		
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NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKD	TNMGKETKIKVVKNKVAPPFKBAFVEIMYGEGISKT	GELLKIASDLDIKKAGAWYSYK	311		
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKD	SSITGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRT	GELVKIASDLDIQKAGAWFSYN	311		
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKD	SNITGKETKIKVVKNKVAPPFKBAFVEITYGEGISRT	GELVKIASDLGIQKAGAWYSYN	311		
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRLDIRRIAA....L.KQNE	QHICNRAKIKVVKNKVAPPFRRQAEFDIMFEGEGIS	KEGELIDYGVKL	DIVDKSGAWLSYQ	296	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEVLGNETRIKVVKNKTAAPFKEANTQIMYGG	CFNRREGELID	LGVKHKMVEK	SGAWYSYN	293
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEG	DEITIGSETKIKVVKNKMAPPFRRQAEIFQILY	CKGTNQLGELVD	LAVQQD	IVQKAGAWYSYQ	293
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consensus	**!* **!* *	* * * * *	* * * * * ! * * ! ! ! * ! * ! *	* * * * * ! * ! * * * * * * * * * * * * * * ! ! * * * * !		

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consensus



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NTDB id 228	SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194	SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159	SP RS09750 WP 001085462.1	IEE	388
NTDB id 527	SMSK321 RS11065 WP 001085454.1	IEE	384
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NTDB id 408	SMU RS09530 WP 002262392.1	D..	383
NTDB id 1313	DR RS12030 WP 010888966.1	...	363
NTDB id 1245	Cj1673c YP 002345041.1	...	343
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NTDB id 1205	PSJM300 05545 AFN77183.1	...	347
consensus			

- non conserved
- similar
- ≥ 50% conserved