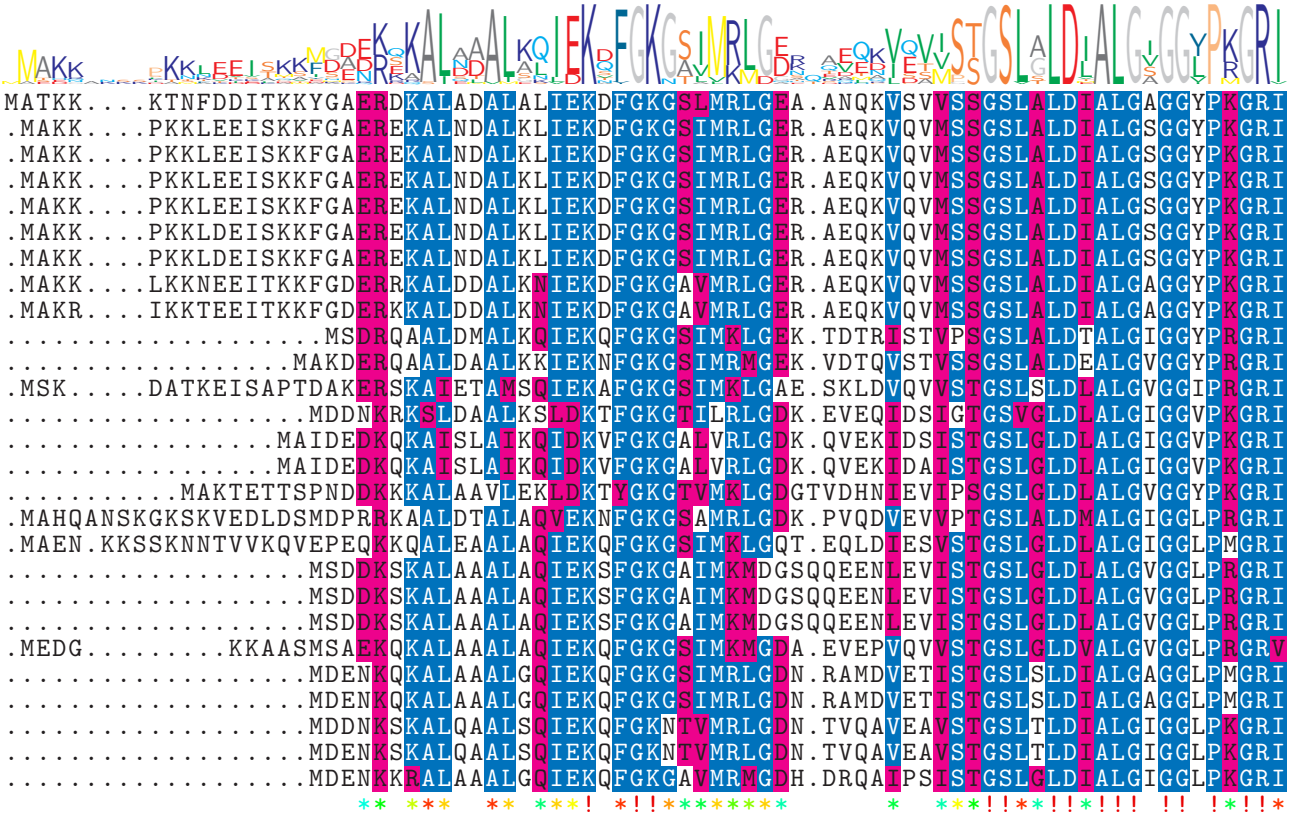
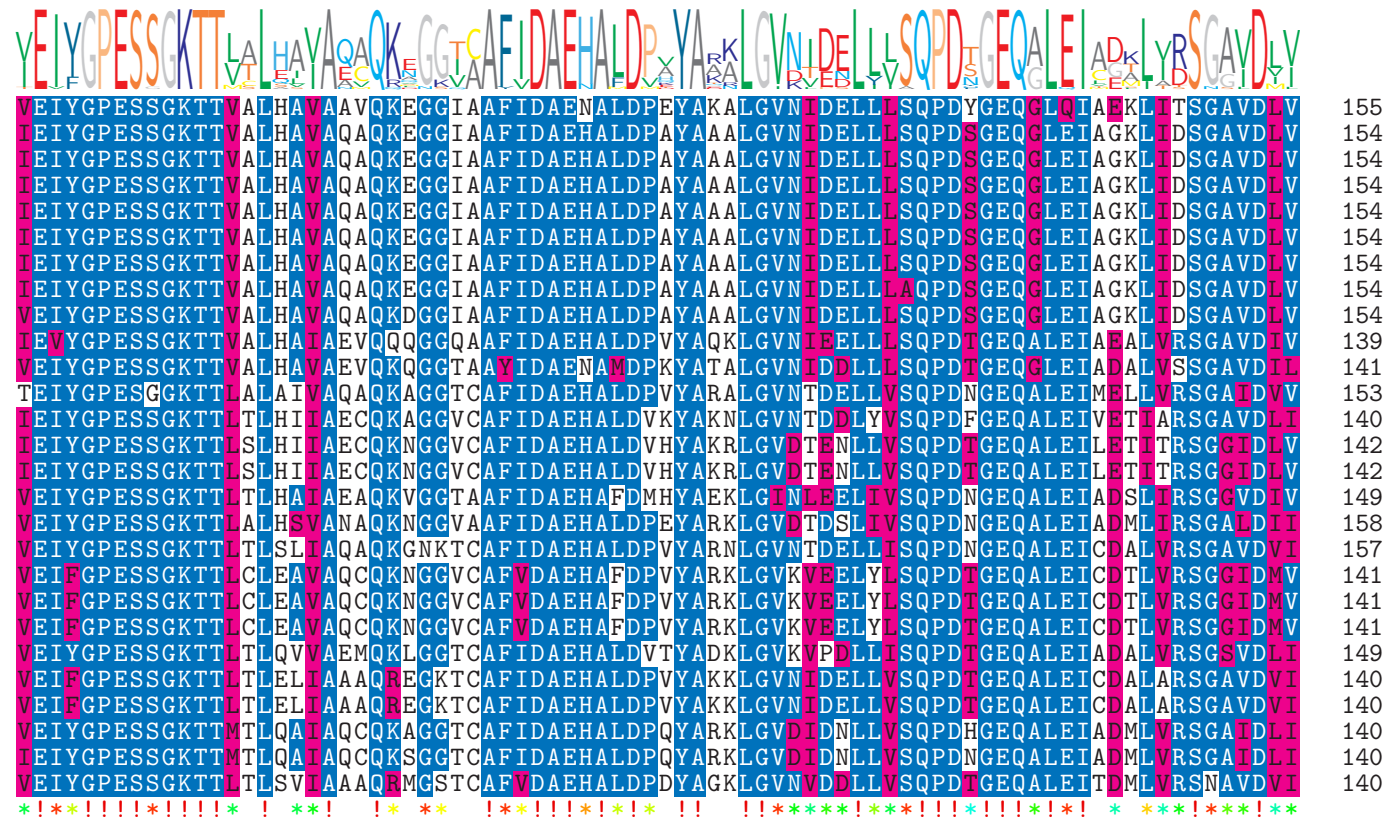


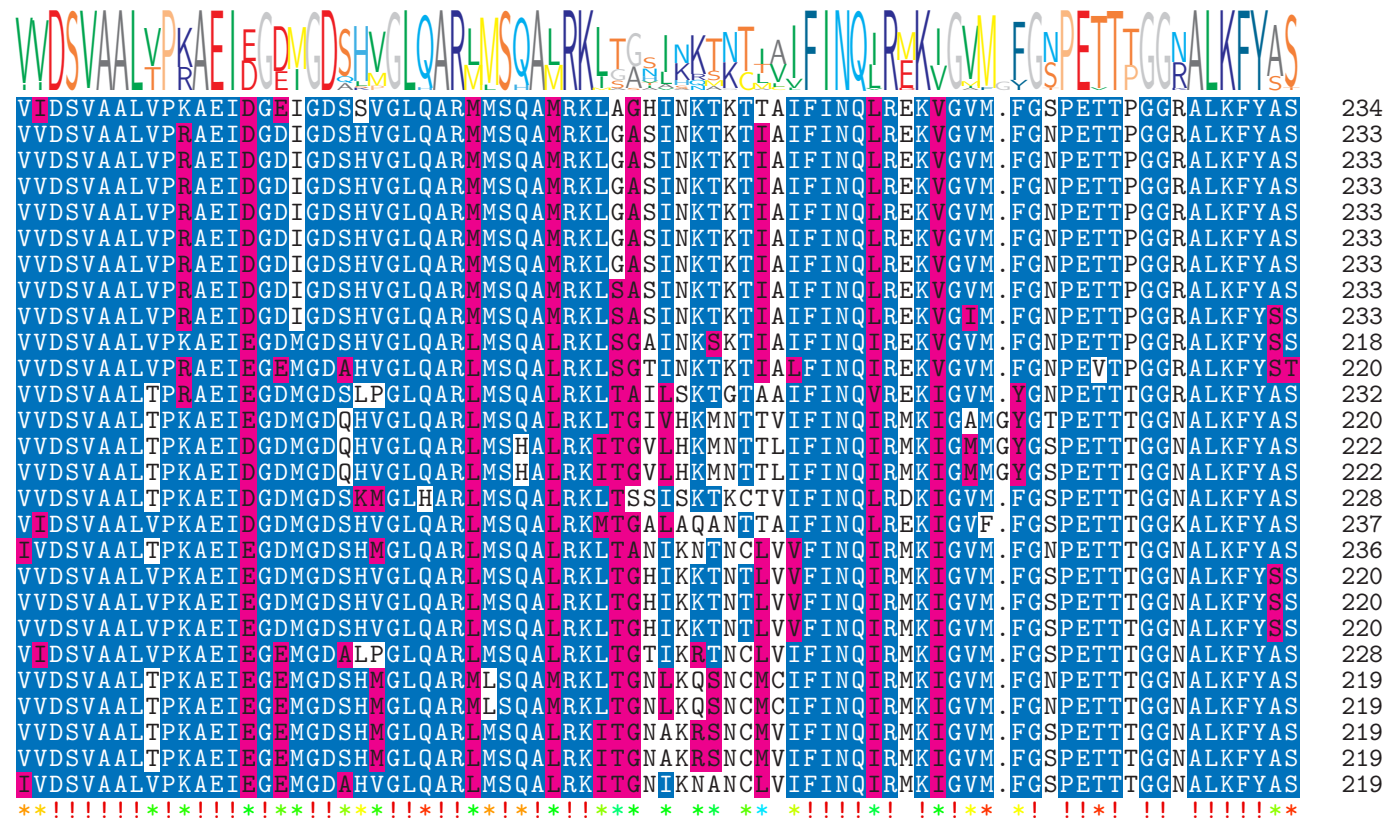
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NTDB id 97044 R8377 RS04550 WP 317642310.1
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consensus



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NTDB id 1123 OK783 RS03845 WP 003688695.1	VR	L	D	I	R	R	T	G	S	.	.	.	.	.	.	.	.	.	.	I	.	K	K	G	.	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	Y	S	Y	N	G	295
NTDB id 1427 RS RS02760 WP 011000510.1	VR	L	D	I	R	R	I	G	S	.	.	.	.	.	.	.	.	.	.	I	.	K	K	G	.	D	E	V	V	G	N	E	T	K	V	K	V	V	K	N	K	V	A	P	P	F	R	E	A	I	F	D	I	L	Y	G	A	G	V	S	R	E	G	E	I	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	Y	S	Y	N	G	303
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NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	DD	E....PKKEEA..VNEEVPLDLGDEL		382
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	DD	E....PKKEEA..VNEEVPLDLGDEL		382
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	DD	E....PKKEEA..VNEEVPLDLGDEL		382
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	DD	E....PKKEEA..VNEEVPLDLGDEL		382
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLAADNPEIF	DEIDHQVRVQFGL	IDGEEIAES	...	KKD....E....AAQVDS..VNEEVTLDLGDEL		378
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLAADNPEVFAE	IDHQVRVQFGL	IDGEEAAES	...	KKD....E....VAQVDS..VNEEVTLDLGDEL		378
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEESAMAVASE	.....	E.....TDDLALDLNGI		374
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSEK	.....	ETDEK..ADKNLVLELDDTI		379
NTDB id 115 BSU 16940 NP 389576.2	ERLGGG	RENAKQFLKENKD	IMLMIQEQIREHYGL	DNNGVVQQAEETQEE		L.EFE.E.....		348
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NTDB id 1211 C694 RS00795 WP 000963128.1	KKLGGG	RENAKALLKEDKAL	ADEITLKIKESIGS	NEEIMPLPDEPLEEME				347
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NTDB id 1334 RAOC RS04870 WP 004918236.1	TKLGGG	RDTVKELIKDNPEL	AEELEAKIREKLQAK					343
NTDB id 97044 R8377 RS04550 WP 317642310.1	DQLGGG	RENVRQFLKDNPG	LITQEVEDKVKVAFGL	KAATSNGEGETESEAD	KSADADKAAPTASGKGQP	...VAAAQAS..		387
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NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNGV	EMHITEGTQDET	DGER.....PEE			348
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNGV	EMHITEGTQDET	DGER.....PEE	.....		348
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNGV	EMHITEGTQDET	DGER.....PEE	.....		348
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQG	RDNCREFLRENAEL	AREIENKVRHLGV	TPMGAVTLA.EEVEED	.....	.....		352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KANACKYLLKENPEI	AKTLDKKLREMLLN	PNENMQLIAETSSA	ADDV..EFGAV.PEEF	.....		354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KANACKYLLKENPEI	AKTLDKKLREMLLN	PNENMQLIAETSSA	ADDV..EFGAV.PEEF	.....		354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNNVIRYLEENPQI	STEIEAVIREQLLTK	ASDQTAA.HDETEEP	..DLL...ES	.....		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNNVIRYFEENNQI	AEIERNIREQLLTT	GTNGAVQ.I.EDEEEP	..DLL...LES	.....		349
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANAAKYLEENPEI	GQIEIEQQIRAKLL	VTSANTKATPVAED	LADA..DI			347
consensus	**!!!*****	**	*****	*****	**	**	*	

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	E	I	E	L	E	E	
NTDB id 600 KW2 RS01765 WP 011675413.1							387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEIEE						388
NTDB id 228 SPD RS09265 WP 001085462.1	EIEIEE						388
NTDB id 194 SPR RS08825 WP 001085462.1	EIEIEE						388
NTDB id 159 SP RS09750 WP 001085462.1	EIEIEE						388
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIEIEE						384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIEIEE						384
NTDB id 453 Spy49 1753c ACI62003.1	EIED..						378
NTDB id 408 SMU RS09530 WP 002262392.1	ELED..						383
NTDB id 115 BSU 16940 NP 389576.2	.....						348
NTDB id 625 LCA RS02525 WP 011374196.1	.....						355
NTDB id 1313 DR RS12030 WP 010888966.1	.....						363
NTDB id 1245 Cj1673c YP 002345041.1	.....						343
NTDB id 1211 C694 RS00795 WP 000963128.1	.....						347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....						347
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....						343
NTDB id 97044 R8377 RS04550 WP 317642310.1	.....						387
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
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 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							

-  non conserved
-  similar
-  ≥ 50% conserved