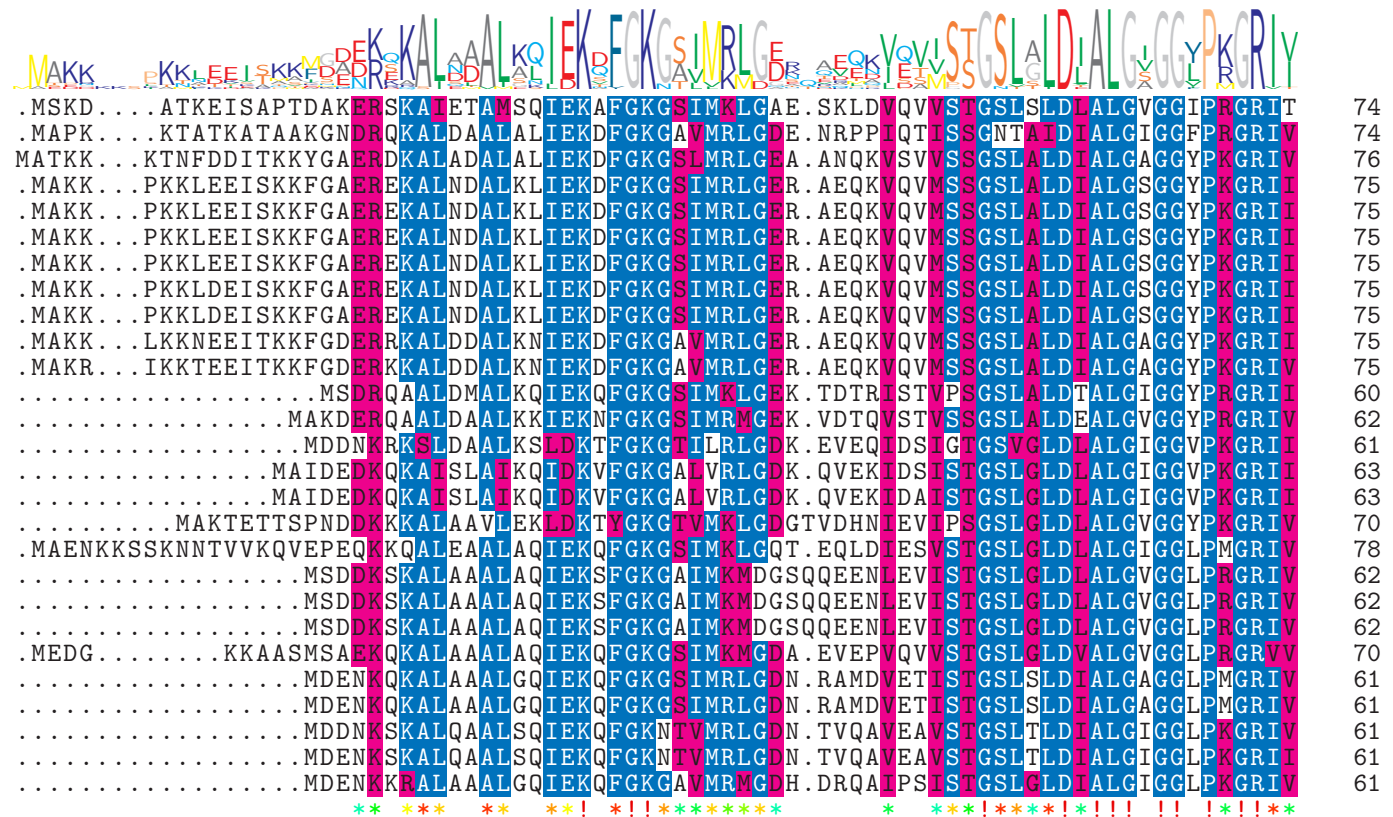


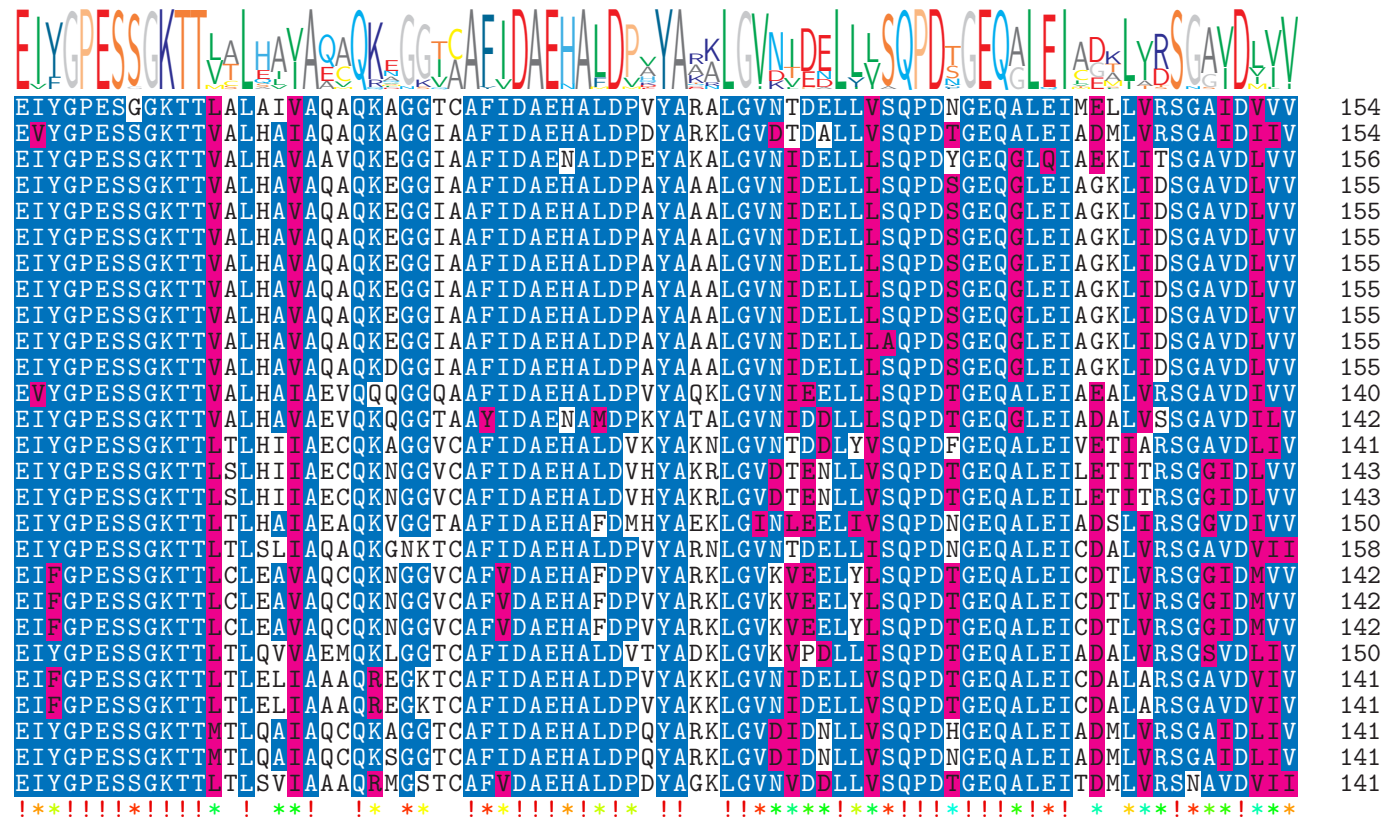
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NTDB id 453 Spy49 1753c ACI62003.1
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NTDB id 625 LCA RS02525 WP 011374196.1
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consensus

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VDSVAALT	TPRAEIE	EGDMG	DSL	VGLQAR	MSQAL	RKLT	TAI	LSKT	GTAA	IFINQ	VREK	IGVM	YGN	PETT	TGGR	ALKFY	ASV	233
IDSVAALT	TPKAEIE	EGDMG	DSL	VGLQAR	MSQAL	RKLT	TAI	LSKT	GTAA	IFINQ	VREK	IGVM	FGSP	PETT	TGGR	ALKFY	ASV	233
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logo

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NTDB id 225332 B7P23 RS03305 WP 003857444.1	RCDIRRIQTLKDGQ....DA	IGNRTRL	KVVKNKV	SPPFK	IAEFD	DIMYGE	GISRE	SSVID	LAVDNG	IVKKSG	SWFTY	E	308	
NTDB id 600 KW2 RS01765 WP 011675413.1	RLDVRGSTKIEEGS.GDNKTQ	IGKITKI	KVVKNKV	APPFKE	VALVD	DIMFG	GEGIS	STGEL	LNI	IAVEE	GIIKKS	GAWFAY	NDE	314
NTDB id 269 KZH43 RS08665 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETIK	KVVKNKV	APPFKE	AVVEI	IMYGE	GISKT	GEL	LKIAS	DLDI	IKKAG	AWSYK	DE	313
NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETIK	KVVKNKV	APPFKE	AVVEI	EIMYGE	GISKT	GEL	LKIAS	DLDI	IKKAG	AWSYK	DE	313
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETIK	KVVKNKV	APPFKE	AVVEI	EIMYGE	GISKT	GEL	LKIAS	DLDI	IKKAG	AWSYK	DE	313
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETIK	KVVKNKV	APPFKE	AVVEI	EIMYGE	GISKT	GEL	LKIAS	DLDI	IKKAG	AWSYK	DE	313
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRGSTQIKGTG.DQKDTN	VGKETIK	KVVKNKV	APPFKE	AFVEI	EIMYGE	GISKT	GEL	LKIAS	DLDI	IKKAG	AWSYK	DE	313
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NTDB id 1211 C694 RS00795 WP 000963128.1	RIDIRRIAS....L.KQNEQH	IGNRAKA	VVVKNKV	APPFRE	AEFD	DIMFG	GISKE	GEI	IDY	GVKLD	IVDKSG	AWLSY	QDK	298
NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRIAA....L.KQNEQH	IGNRAKA	VVVKNKV	APPFRE	AEFD	DIMFG	GISKE	GEI	IDY	GVKLD	IVDKSG	AWLSY	QDK	298
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRLSDTGKIKDKSGEV	IGNRTKV	VVVKNKV	APPFKS	AEFD	DIMYGE	GVS	KVGE	ILDV	ATDLD	IIQKSG	SWFSY	QDT	309
NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRRCGV....V.KDGEI	IGSETKV	VVVKNKV	APPFREV	QFD	DIMYGE	GISRM	NELL	ILAE	ANGFI	IKKSG	AWFSY	DGT	312
NTDB id 1130 NGFG RS03960 WP 003688695.1	RLDIRRTGS....I.KKGEV	LGNETRV	KVVIKNKV	APPFRR	QAEFD	DILYGE	GISWE	GEL	ID	IGVKN	DI	INKSG	AWSYNGA	296
NTDB id 1124 NGFG RS03960 WP 003688695.1	RLDIRRTGS....I.KKGEV	LGNETRV	KVVIKNKV	APPFRR	QAEFD	DILYGE	GISWE	GEL	ID	IGVKN	DI	INKSG	AWSYNGA	296
NTDB id 1123 OK783 RS03845 WP 003688695.1	RLDIRRTGS....I.KKGEV	LGNETRV	KVVIKNKV	APPFRR	QAEFD	DILYGE	GISWE	GEL	ID	IGVKN	DI	INKSG	AWSYNGA	296
NTDB id 1427 RS RS02760 WP 011000510.1	RLDIRRIGS....I.KKGEV	GNETRK	VVVKNKV	APPFRE	AI	FIDILY	GAGVS	REGE	IIDL	GV	EAKV	VEKSG	AWSYNGE	304
NTDB id 1165 A1552VC RS01565 WP 000344154.1	RLDIRRTGA....I.KEGEEV	VGNETRI	KVVKNK	IAAPFKE	ANTQ	IMYGG	GFNR	REGEL	IDL	GVKHK	MVEKSG	AWSYNGD		295
NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRRTGA....I.KEGEEV	VGNETRI	KVVKNK	IAAPFKE	ANTQ	IMYGG	GFNR	REGEL	IDL	GVKHK	MVEKSG	AWSYNGD		295
NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRRIGQ....V.KEGDEI	IGSETKV	VVVKNK	MAPPFRE	AI	FQILY	GKGVN	QLGEL	VDL	AVQQ	NI	VQKAG	AWSYQGN	295
NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRRIGQ....V.KEGDEI	IGSETKV	VVVKNK	MAPPFRE	AI	FQILY	GKGVN	QLGEL	VDL	AVQQ	NI	VQKAG	AWSYQGN	295
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consensus	!***!*	*	**	*****!***!!*****!*	*	*****!*	*****	*****	***	***	!	*****!		

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NTDB id 225332 B7P23 RS03305 WP 003857444.1	QLGGGKEKVRLSLKENPELTDELEDKIFKKLGVGKYAAASDELTDTPV...ELVPNV.....DFDDEADTEAD	373
NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGAEKAKNYLKEHQDVFEIDHKVRAAHGLDDSEVAETEEETTASKTAKAKKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
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NTDB id 1245 Cj1673c YP 002345041.1	KLGGGRENSKAFLENPEIADIEITKAIQNSMGIEGMISGSEDD..EGEE.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGRENAKALLKEDKALADEITLKIKEISGSNEEIMPLPDE..PLEEM.E.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KLGGGRENAKALLKEDKALADEITLKIKEISGSNEEIMPLPDE..PLEEM.E.....	347
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NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGRDNCREFLRENAELAREIENKVREHLGVTPMGAVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	KIGQGGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADV.EFGAVP.....EEF.....	354
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNGAVQ..I.EDEEEP.DLL..L.....ES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQGGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADA.DI.....	347
consensus	**!!!!***** ** ***** ***** ** *	

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NTDB id 269 KZH43 RS08665 WP 001085462.1	E..	388
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NTDB id 159 SP RS09750 WP 001085462.1	E..	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	E..	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	E..	384
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consensus

 non conserved
 similar
 ≥ 50% conserved