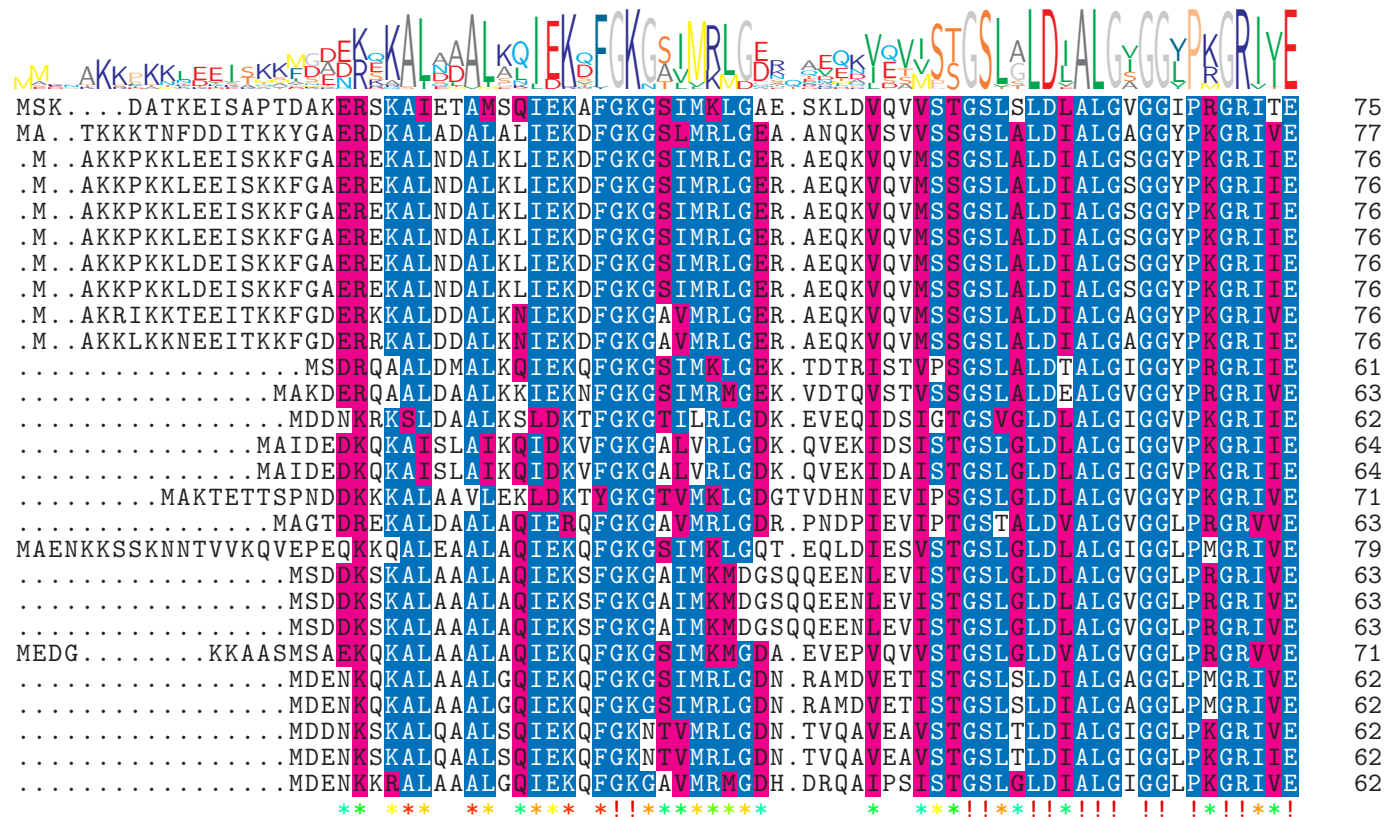


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NTDB id 194 SPR RS08825 WP 001085462.1
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NTDB id 527 SMSK321 RS11065 WP 001085454.1
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NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1211 C694 RS00795 WP 000963128.1
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NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1034101 AB8064 RS26625 WP 130881848.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

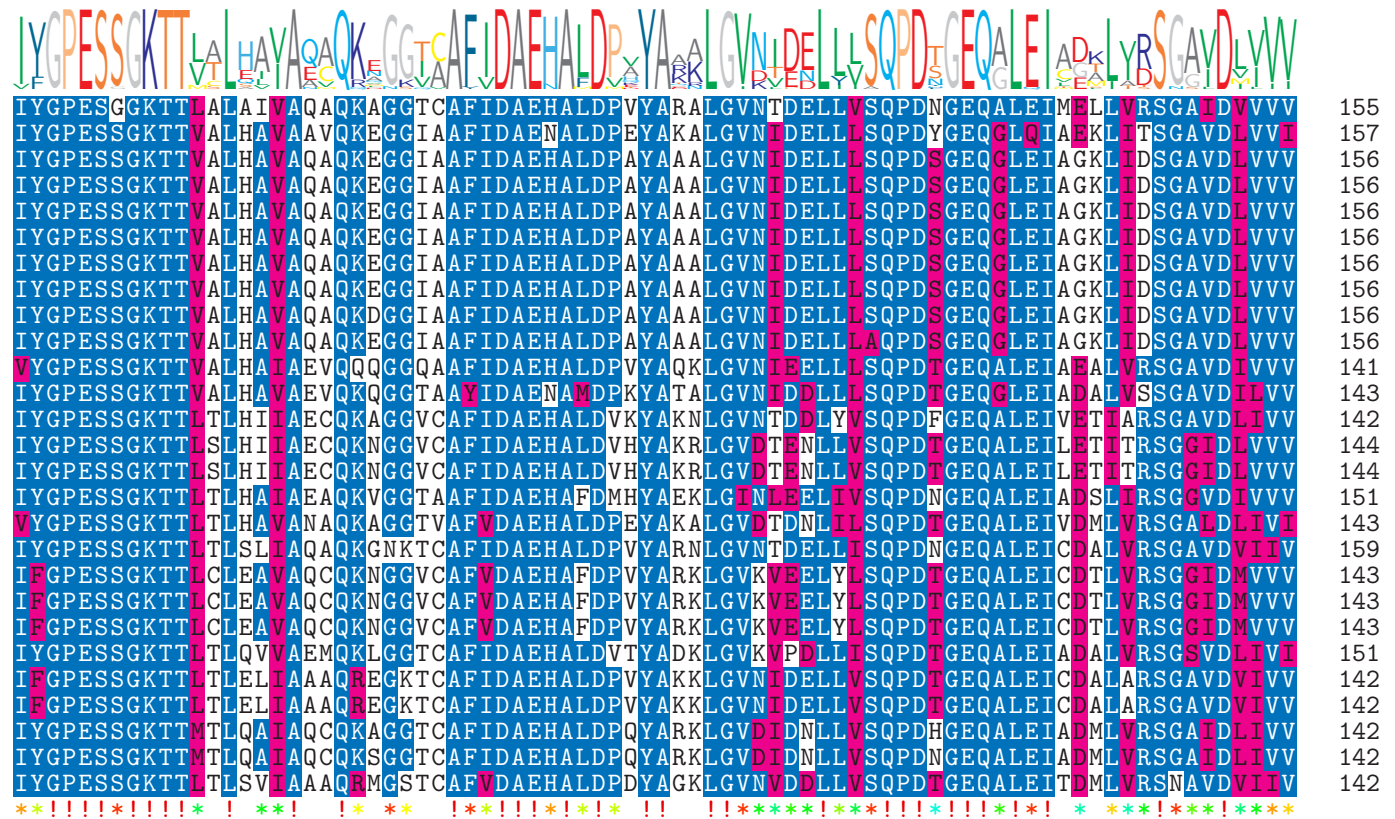
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NTDB id 499 SM12261 RS08315 WP 078228268.1
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NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 1313 DR RS12030 WP 010888966.1	LDVRKIGQ...PTKVGND	AVANTVKIKTVKNKVAAPFKEVELALVYGKGF	QLSDLVGLAADM	DI	IKKAGSFYSYGDER	310	
NTDB id 600 KW2 RS01765 WP 011675413.1	LDVRGSTKIEEGS.GDNKTQ	IGKITKIKVVKNKVAPPFKVALVDIMFGEGISST	GELNIAVEEGI	IKKSGAWFAYNDEK		315	
NTDB id 269 KZH43 RS08665 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKT	GELLKIASDL	DI	IKKAGAWYSYKDEK	314	
NTDB id 228 SPD RS09265 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKT	GELLKIASDL	DI	IKKAGAWYSYKDEK	314	
NTDB id 194 SPR RS08825 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKT	GELLKIASDL	DI	IKKAGAWYSYKDEK	314	
NTDB id 159 SP RS09750 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKT	GELLKIASDL	DI	IKKAGAWYSYKDEK	314	
NTDB id 499 SM12261 RS08315 WP 078228268.1	LDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKT	GELLKIASDL	DI	IKKAGAWYSYKDEK	314	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKT	GELLKIASDL	DI	IKKAGAWYSYKDEK	314	
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NTDB id 453 Spy49 1753c ACI62003.1	LDVRGTTQIKGTG.DQKDSN	IGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRT	GELVKIASDL	DI	IKKAGAWFSYNGEK	314	
NTDB id 115 BSU 16940 NP 389576.2	LEVRRAEQLKQGN.....	DVMGNKTKIKVVKNKVAPPFRTAEVDIMYGEGISKE	GEIIDLGT	ELDIVQKSGSWSYEEER		295	
NTDB id 625 LCA RS02525 WP 011374196.1	LEVRRAETIKNGT.....	DMIGNRARIKVVKNKVAPPFKVAEVDIMYGGGISRT	GELVDMAVEK	DI	INKSGSWSYGSER	297	
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NTDB id 1211 C694 RS00795 WP 000963128.1	IDIRRIAS....L.KQNE	QHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKE	GEIIDYGVKL	DIVDKSGAWLSYQDKK		299	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	IDIRRIAA....L.KQNE	QHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKE	GEIIDYGVKL	DIVDKSGAWLSYQDKK		299	
NTDB id 1334 RAOC RS04870 WP 004918236.1	IDIRRLSDTGKIKDKSGEV	IGNRTKVVKNKVAPPFKSAEFDIMYGEVSKV	GEILDVATDL	DI	IQKSGSWFSYQDTK	310	
NTDB id 1034101 AB8064 RS26625 WP 130881848.1	LDIRRIET....L.KDGTEA	VGNRTRVKVVKNKVAPPFKQAEFDILYGGGIS	REGGLIDMGVEHGF	VRKAGAWTYEGDQ		297	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	LDIRRCGV....V.KDGDEI	IGSETKVVKNKVAPPFREVQFDIMYGEGISRM	NELLILAEANGF	IKKSGAWFSYDGT		313	
NTDB id 1130 NGFG RS03960 WP 003688695.1	LDIRRTGS....I.KKGEEV	LGNETRVKVIKNKVAPPFRQAEFDILYGEGISW	EGELIDIGVKNDI	INKSGAWSYNGAK		297	
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	LDIRRTGA....I.KEGEEV	VGNETRIKVVKNKIAAPFKEANTQIMYGGGFN	REGELIDLGVKHK	MVEKSGAWSYNGDK		296	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	LDIRRTGA....I.KEGEEV	VGNETRIKVVKNKIAAPFKEANTQIMYGGGFN	REGELIDLGVKHK	MVEKSGAWSYNGDK		296	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	LDIRRIQ....V.KEGDEI	IGSETKVVKNKMAPPFREAIIFQILYKGKYN	QLGELVDLAVQQ	NIVQKAGAWSYQGNK		296	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	LDIRRIQ....V.KEGDEI	IGSETKVVKNKMAPPFREAIIFQILYKGKYN	QLGELVDLAVQQ	NIVQKAGAWSYQGNK		296	
NTDB id 1205 PSJM300 05545 AFN77183.1	LDIRRTGA....V.KEGDEV	VGSETRNVKVVKNKVAPPFRQAEFQILYKGK	YINGEIIDLGV	QQGLVEKSGAWAYAYKGSK		296	
consensus	***!*	*	**	*****!*****!*****!*****!*	*	*****!*****!*****!*****!*	*

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NTDB id 1313 DR RS12030 WP 010888966.1	IGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPA.....APEAAEA.....	363
NTDB id 600 KW2 RS01765 WP 011675413.1	IGQGAEKAKNYLKEHQDVFEIDHKVRAAHGLDDSEVAETEEETTASKTAKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IGQGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIEE	388
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NTDB id 1334 RAOC RS04870 WP 004918236.1	LGQGRDITVKELIKDNPELAEELEAKIREKLQAK.....	343
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	IGQGGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADV.EFGAV.....PEEF.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	IGQGGKANACKYLKENPEIAKTLDKKLREMLLNPENMQLIAETSSAADV.EFGAV.....PEEF.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	IGQGGKNNVIRYLEENPQISTEIEAVIREQLLTKASDQTAH.DETEEEP.DLL.....ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IGQGGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNGAVQ.I.EDEEEEP.DLL.....LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	IGQGGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADA.DI.....	347

consensus

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NTDB id 1313 DR RS12030 WP 010888966.1		363
NTDB id 600 KW2 RS01765 WP 011675413.1		387
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NTDB id 1074 ABD1 RS10195 WP 000344167.1		349
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consensus

-  non conserved
-  similar
-  ≥ 50% conserved