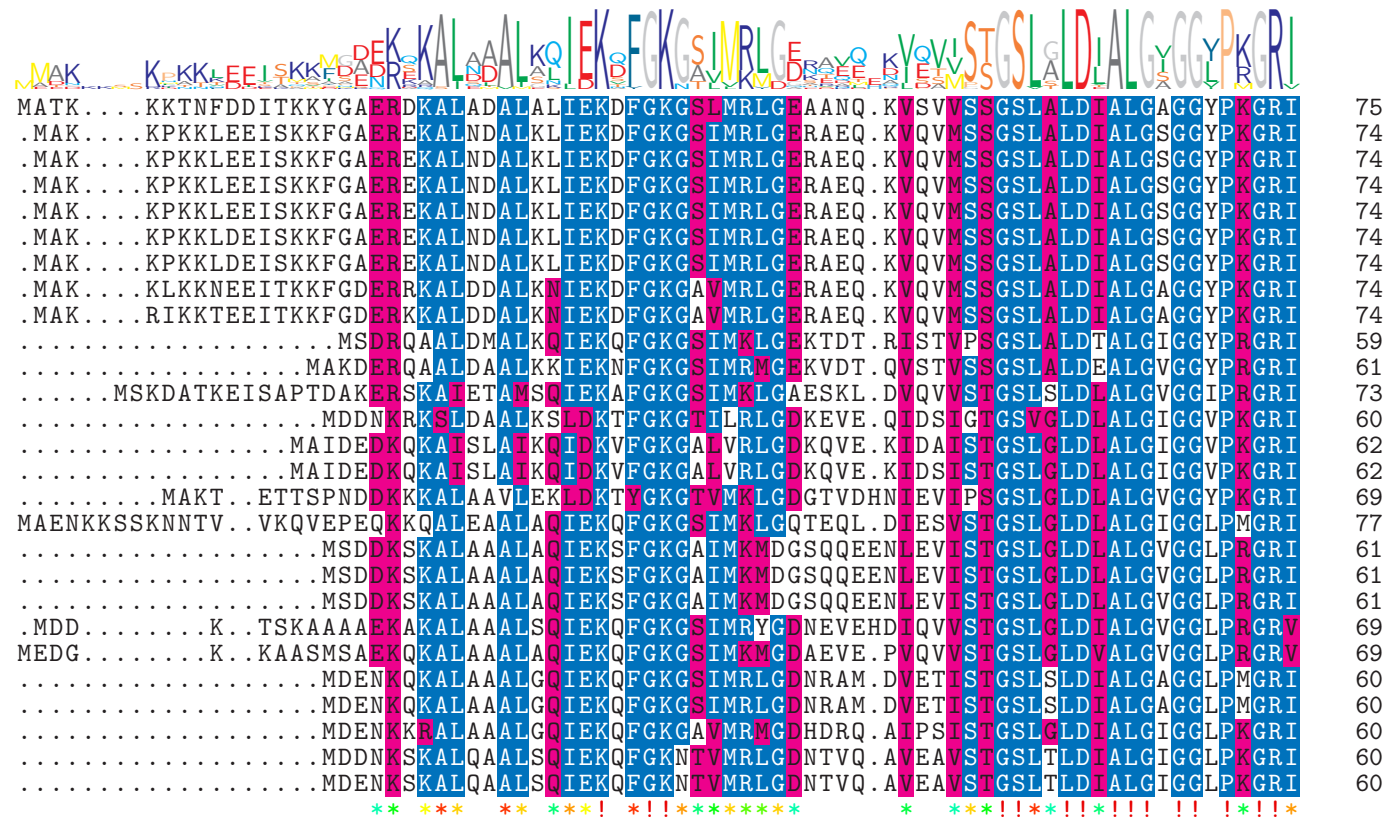


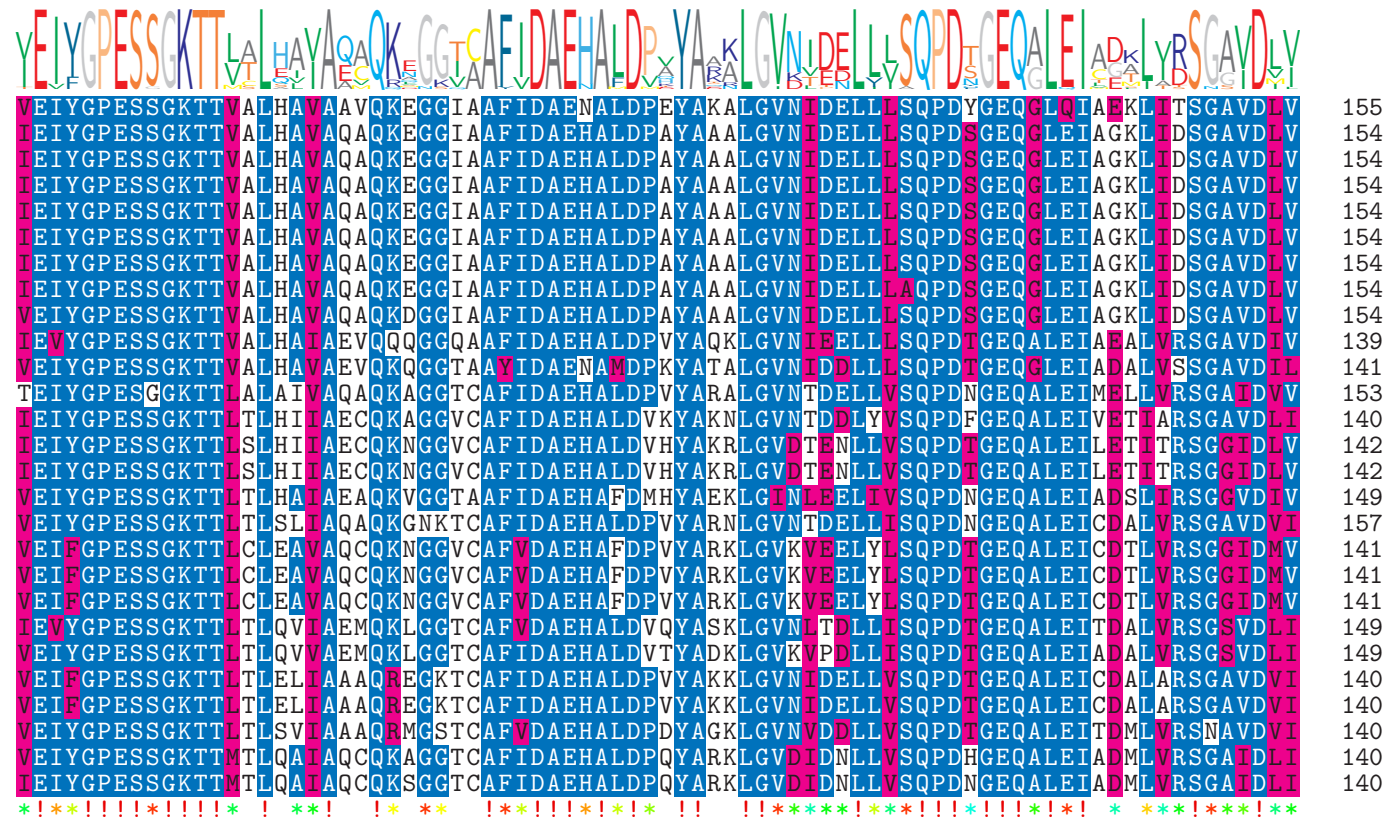
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NTDB id 1389 A4U84 RS07560 WP 021112712.1
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consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus

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NTDB id 1334 RAOC RS04870 WP 004918236.1	VR	I	D	I	R	R	S	L	S	D	T	G	K	I	K	D	K	S	G	E	V	I	G	N	R	T	K	V	K	V	V	K	N	K	V	A	P	P	F	K	S	A	E	F	D	I	M	Y	G	E	G	V	S	K	V	G	E	I	L	D	V	A	T	D	L	D	I	I	Q	K	S	G	S	W	F	S	Y	Q	D	308							
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NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAE..	TEEET	ASKTKAKAKKEEKAVETEEIELELED....	387
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NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSE..	QDTENKKDE....	PKKEEA..VNEEVPLDLGDELEI	384
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSE..	QDTENKKDE....	PKKEEA..VNEEVPLDLGDELEI	384
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSE..	QDTENKKDE....	PKKEEA..VNEEVPLDLGDELEI	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAE.....	SKKDE....	VAQVDS..VNEEVTLDLGDELEI	380
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAE.....	SKKDE....	AAQVDS..VNEEVTLDLGDELEI	380
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEES..	AMAVASE.....	E.....TDDLALDLNGIEI	376
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEE..	KQSSKEK.....	ETDEK..ADKNLVLELDDTIEL	381
NTDB id 115 BSU 16940 NP 389576.2	ERLGGG	RENAKQFLKENKDIMLM	IQEQIREHYGL	DNNGVVQQ..	QAEETQEEL	EFEE.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDL..	PTTEDE.QI.NILPDDST.....	EE.....	355
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQG	KEKTIAYTAERP	EMEQEIRDRVMAA	IRAGNAGEAPALAP	PAPAAPEAA.EA.....		363
NTDB id 1245 Cj1673c YP 002345041.1	KKLGGG	RENSKAFLKENPEIA	DEITKAIQNSMG	TEGMIS..	GSE....DDEGE.E.....		343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKLGGG	RENAKALLKEDKAL	ADEITLKIKESIGS	NEEIM..	PLP...DEPLE.EME.....		347
NTDB id 1211 C694 RS00795 WP 000963128.1	KKLGGG	RENAKALLKEDKAL	ADEITLKIKESIGS	NEEIM..	PLP...DEPLE.EME.....		347
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKLGGG	RDTVKELIKDNPELA	ELEAKIREKLQAK.....				343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQG	KNNAVKWLKENPEIA	DKLEQEI	RNTLASNPNSV..	LKATASDSNDES	DVEEF.....SEEL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHIT..E.....	GTQDE.TDGER.....	PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHIT..E.....	GTQDE.TDGER.....	PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHIT..E.....	GTQDE.TDGER.....	PEE.....	348
NTDB id 260208 CXD83 RS06770 WP 003812760.1	NRIGQG	KDNVREYLKEHKEM	AIIEIENKVREN	QIVSRAA..	T.FPASEAEDGE.....		353
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQG	RDNCRFLRENAEL	AREIENKVREHLG	VTPMGA..	V.TLAEVEED.....		352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KANACKYLLKENPEIA	KTLDKKLREMLLN	PENMQ..	LIAETSSAADDV	EFGAV.....PEEF.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KANACKYLLKENPEIA	KTLDKKLREMLLN	PENMQ..	LIAETSSAADDV	EFGAV.....PEEF.....	354
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANAAYLEENPEIG	QIEQQIRAKLL	VSANT..	KATPVAEDLADA	DI.....	347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNNVIRYLEENPQIS	TEIEAVIREQLLT	KASDQ..	TAA.HDETEEEP	DLL.....ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNNVIRYFEENNQIA	EIEIRNIREQLLT	TGTNG..	AVQ.I.EDEEP	DLL.....LES.....	349
consensus	**!!!***** ** * **** ***** ** *						*

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NTDB id 600 KW2 RS01765 WP 011675413.1		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	EIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	EIEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIEE	384
NTDB id 453 Spy49 1753c ACI62003.1	ED..	378
NTDB id 408 SMU RS09530 WP 002262392.1	ED..	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 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
NTDB id 260208 CXD83 RS06770 WP 003812760.1	....	353
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 1205 PSJM300 05545 AFN77183.1	....	347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	....	349

consensus

 non conserved
 similar
 ≥ 50% conserved