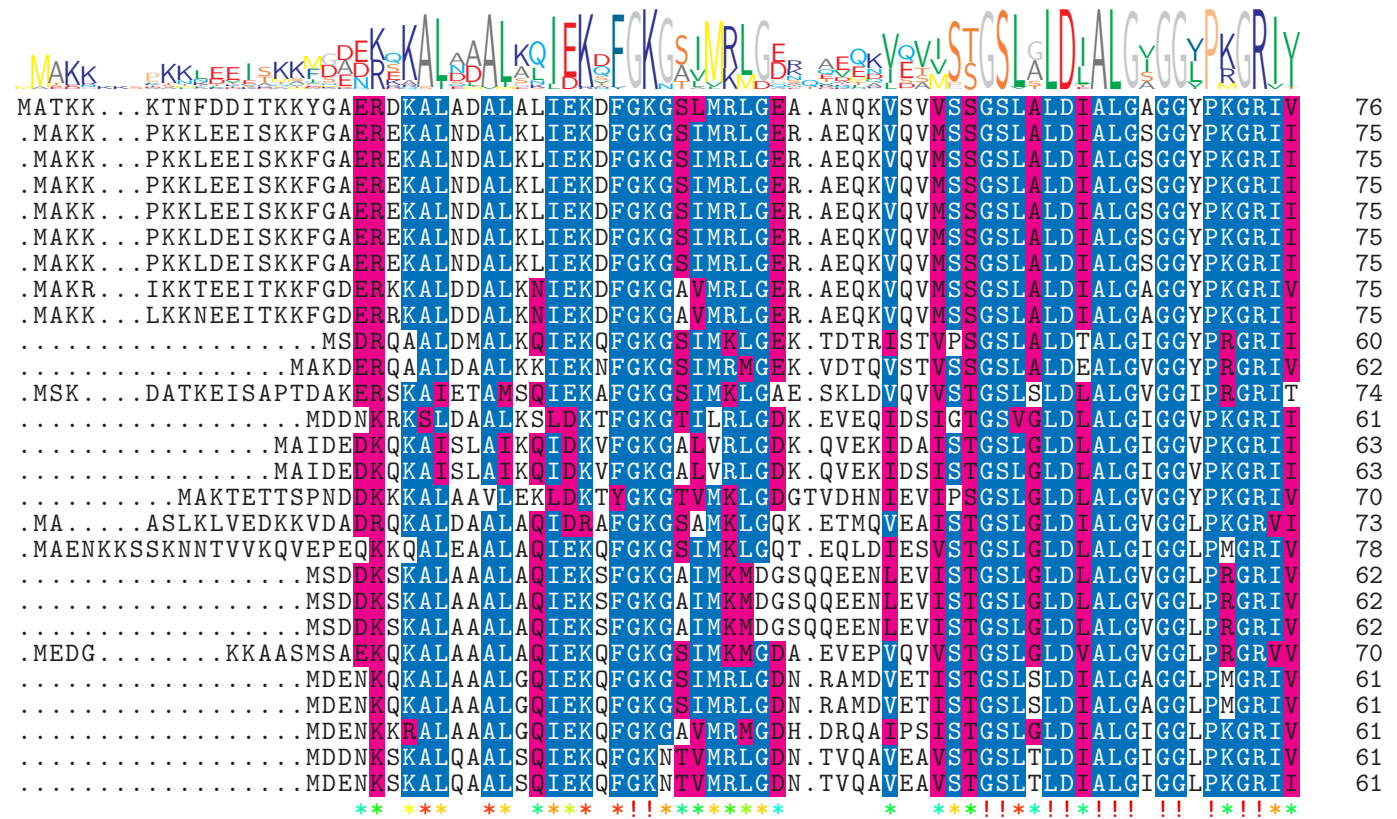


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consensus

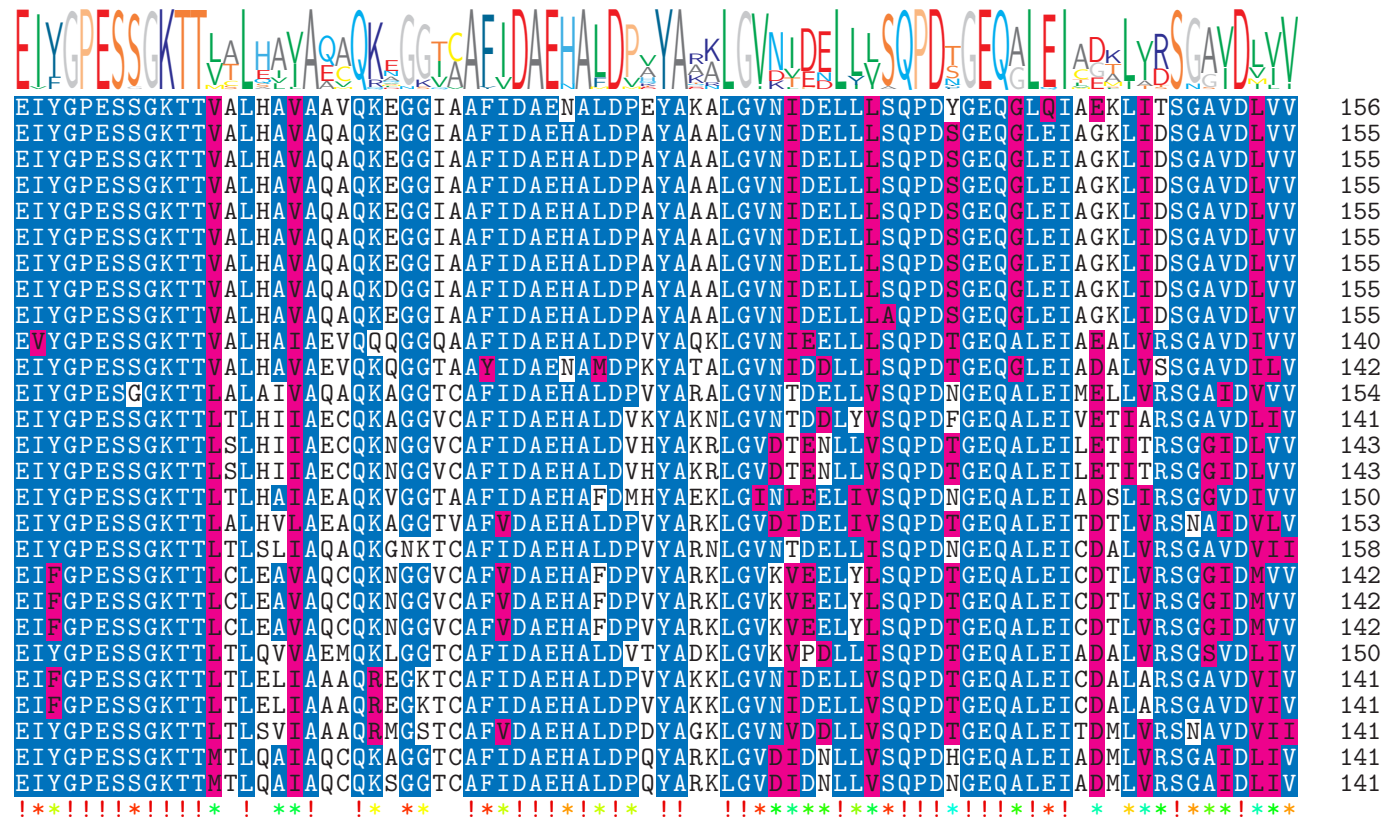
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consensus	*	!	!	!	!	!	*	*	!	!	*	!	*	!	*	*	!	*	*	!	*	*	!	*	!	*	*	!	*	!	*	*	!	*	!	*	*	!	*	!	*	*	!	*	*	!	*	*	!	*	*	!																													

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NTDB id 600 KW2 RS01765 WP 011675413.1	RLDVRG	STKIEEGS	.GDNKTQ	IGKI	TKIKVV	VKNKVAPPF	KVALV	DIMF	GEGIS	STGEL	INTAVE	EETIKK	SGAW	FAYNDE	314	
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NTDB id 306272 DVR09 RS11465 WP 115417042.1	RLDIRRT	G....	QIK.DR	DEVIGN	STRV	VKNKVAPPF	KQVEF	DIMY	GEGIS	KIGEIL	DLGV	KAGV	VEKSG	SWFSYDSV	307	
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	RLDIRRT	G....	AIK.EG	EEVVG	NETRI	KVVKNK	IAAPF	KEANTQ	IMYGQ	GFNREG	ELIDL	GVKHK	MVEK	SGAWSYNGD	295	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRRT	G....	AIK.EG	EEVVG	NETRI	KVVKNK	IAAPF	KEANTQ	IMYGQ	GFNREG	ELIDL	GVKHK	MVEK	SGAWSYNGD	295	
NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRRT	G....	AVK.EG	DEVVGS	ETRV	VKNKVAPPF	RQAEF	QILY	GKGIY	RNGEI	IDLG	VQQGL	VEKSG	AWYAYKGS	295	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRRI	G....	QVK.EG	DEIIG	SETKV	VKNK	MAPPF	REA	IFQILY	GKGVN	QLGEL	VDLAV	QQNIV	QKAGAW	YSYQGN	295
NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRRI	G....	QVK.EG	DEIIG	SETKV	VKNK	MAPPF	KEA	IFQILY	GKGTN	QLGEL	VDLAV	QQDIV	QKAGAW	YSYQGN	295
consensus	!***!*		*	*	*	*****!***!!*!!*!!*	*	*****!*	*****	*****	***	***	! !*****!			

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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 306272 DVR09 RS11465 WP 115417042.1
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 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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Sequence	Score
KIGQGAEKAKNYLKEHQDVFEIDHKVRAAHGLDDSEVAETE..EETTASKTKAKAKKKEEKAVETEEIELELED....	387
KIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQD..TENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
KIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQD..TENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
KIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQD..TENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
KIGQGSSENAKKYLAENPEVFAEIDHQVRVQFLIDGEEAAE.....SKKDE...VAQVDS..VNEEVPLDLGDELEIE	381
KIGQGSSENAKKYLAENPEIFDEIDHQVRVQFLIDGEEIAE.....SKKDE...AAQVDS..VNEEVPLDLGDELEIE	381
KIGQGSSENAKKFLADNPEIFDDIDHKVRVQGLIEEDNTEEKQ..SSEK.....ETDEK..ADKNLVLELDDTIELE	382
KIGQGSSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAM..AVASE.....E.....TDDLALDLNNGIEIE	377
RLGQGRENAKQFLKENKDIMLMIQEQUIREHYGLDNGGVVQQQA..EETQEEL.EFE.E.....	348
RIGQGRENAKKNYLADHEDVEDEVRLKVRAAAYGISDVPPEEDLPT..TEDE.QI.NILPDDST.....EE.....	355
RIGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAA.EA.....	363
KLGGGRENSKAFLEKENPEIADEITKAIQNSMGIEGMIS..GSEDDE..GEE.....	343
KLGGGRENAKALLKEDKALADEITLKIKESIGSNEEIM..PLPDEP..LEEM.E.....	347
KLGGGRENAKALLKEDKALADEITLKIKESIGSNEEIM..PLPDEP..LEEM.E.....	347
KLGGGRDVTVELIKDNPELAEELEAKIREKLQAK.....	343
RIGQGRENAKKFLKENPEMCAKLEAAIRGRTDEVAEEM..MTGPDAD..ED.....	354
KIGQKKNNNAVKWLKENPEIADKLEQIRNTLASNPNSV..LKATASDSNDES.DVEEF.....SEEEL.....	372
KIGQKKDNVRVWLKENPEISDEIDAKIRALNGVEMHIT..EGT.....QDE.TDGER.....PEE.....	348
KIGQKKDNVRVWLKENPEISDEIDAKIRALNGVEMHIT..EGT.....QDE.TDGER.....PEE.....	348
KIGQKKDNVRVWLKENPEISDEIDAKIRALNGVEMHIT..EGT.....QDE.TDGER.....PEE.....	348
RIGQGRDNCREFLRENAELAREIENREHLGVTPMGA..V.TLAEVEED.....	352
KIGQKKANACKYLKENPEIAKTLDKKLREMLLNPNMQ..LIAETSSAADV.EFGAV.....PEEF.....	354
KIGQKKANACKYLKENPEIAKTLDKKLREMLLNPNMQ..LIAETSSAADV.EFGAV.....PEEF.....	354
KIGQKKANAACKYLEENPEIGQEIEQQIRAKLLVTSANT..KATPVAEDLADA.DI.....	347
KIGQKKNNVIRYLEENPQISTEIEAVIREQLLTKASDQ..TAA.HDETEEEP.DLL.....ES.....	349
KIGQKKNNVIRYFENNQIAEIERNIREQLLTGTNG..AVQ.I.EDEEEP.DLL.....LES.....	349

logo

		IEE	
NTDB id 600 KW2 RS01765 WP 011675413.1	...	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388	
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	
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384	
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383	
NTDB id 453 Spy49 1753c ACI62003.1	D..	378	
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 306272 DVR09 RS11465 WP 115417042.1	...	354	
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 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