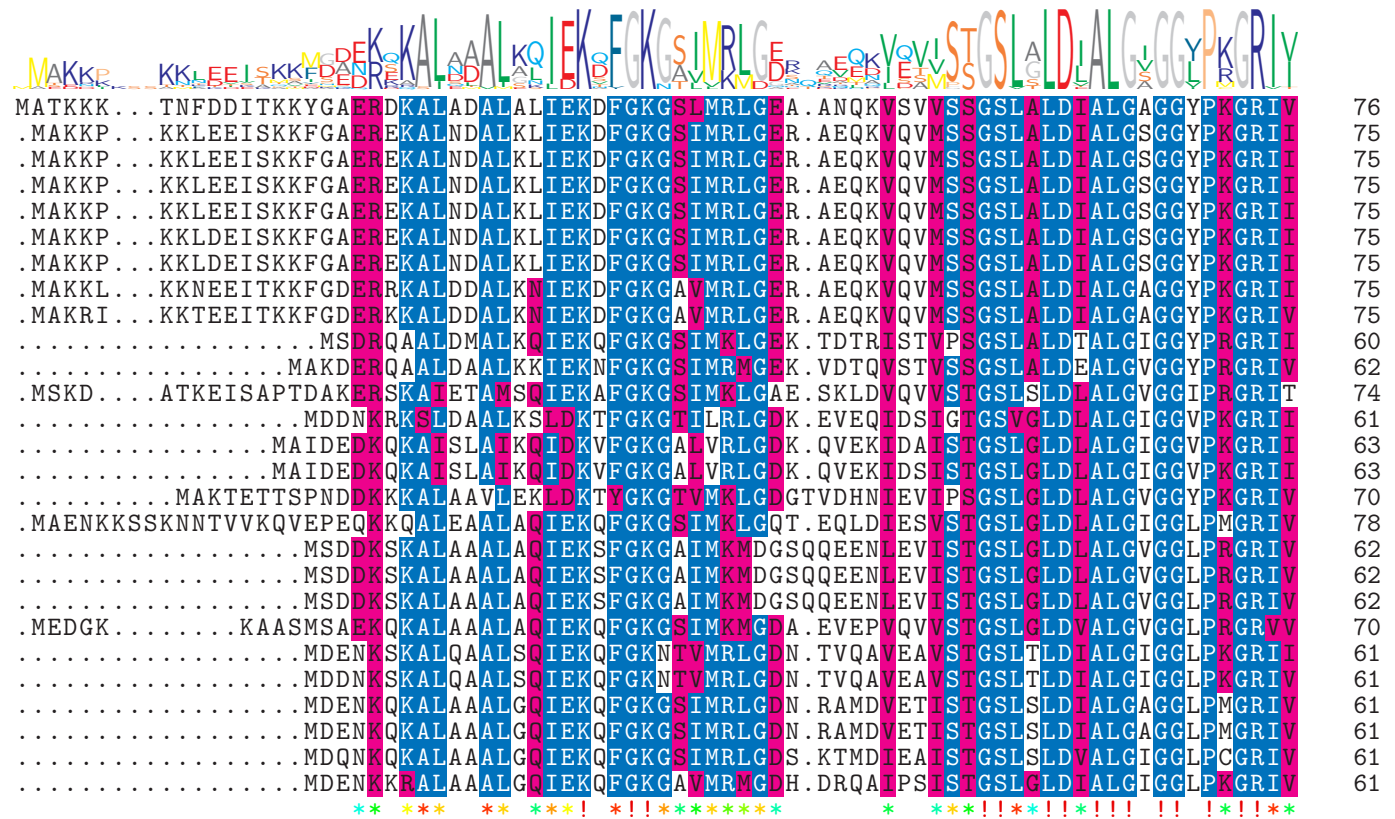


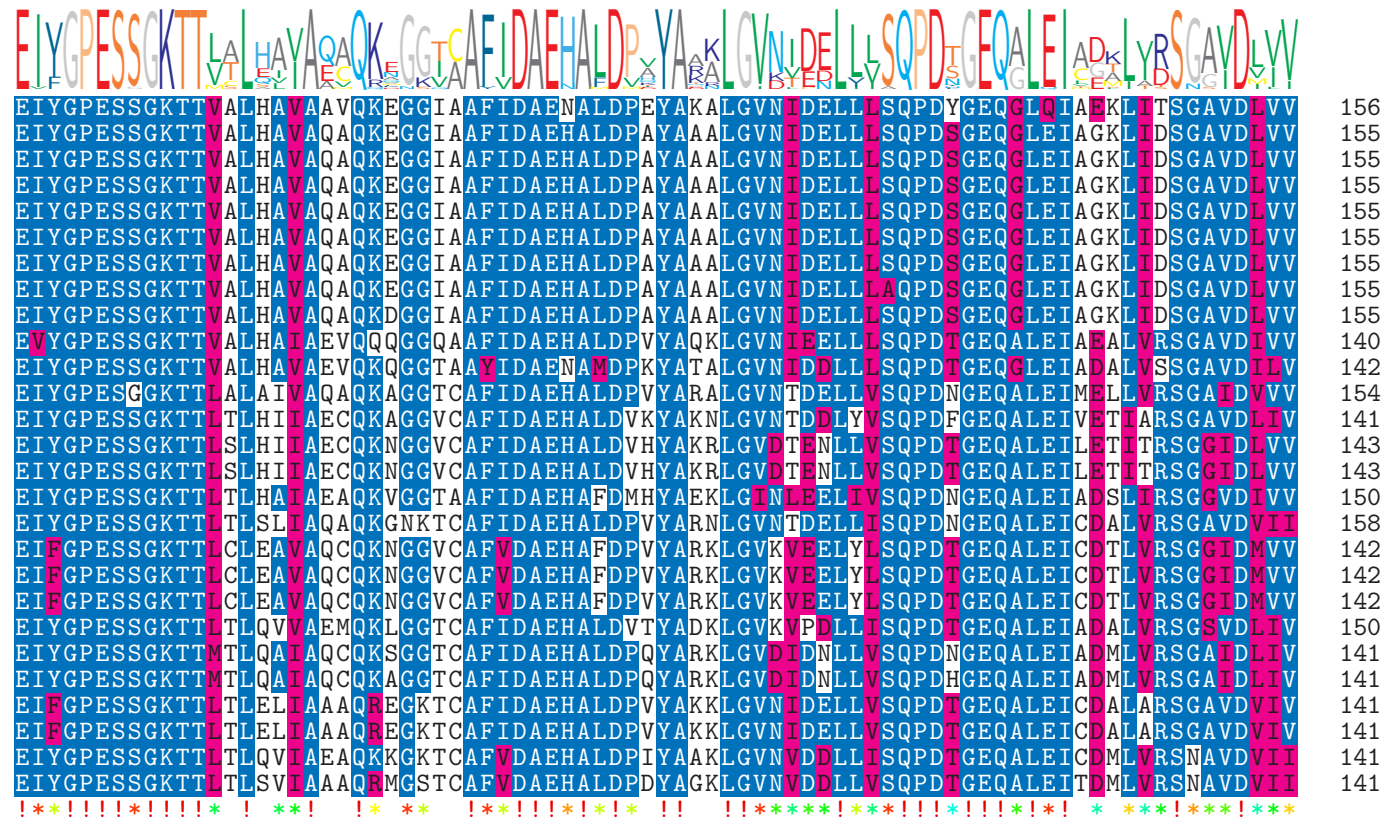
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NTDB id 194 SPR RS08825 WP 001085462.1
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NTDB id 115 BSU 16940 NP 389576.2
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consensus

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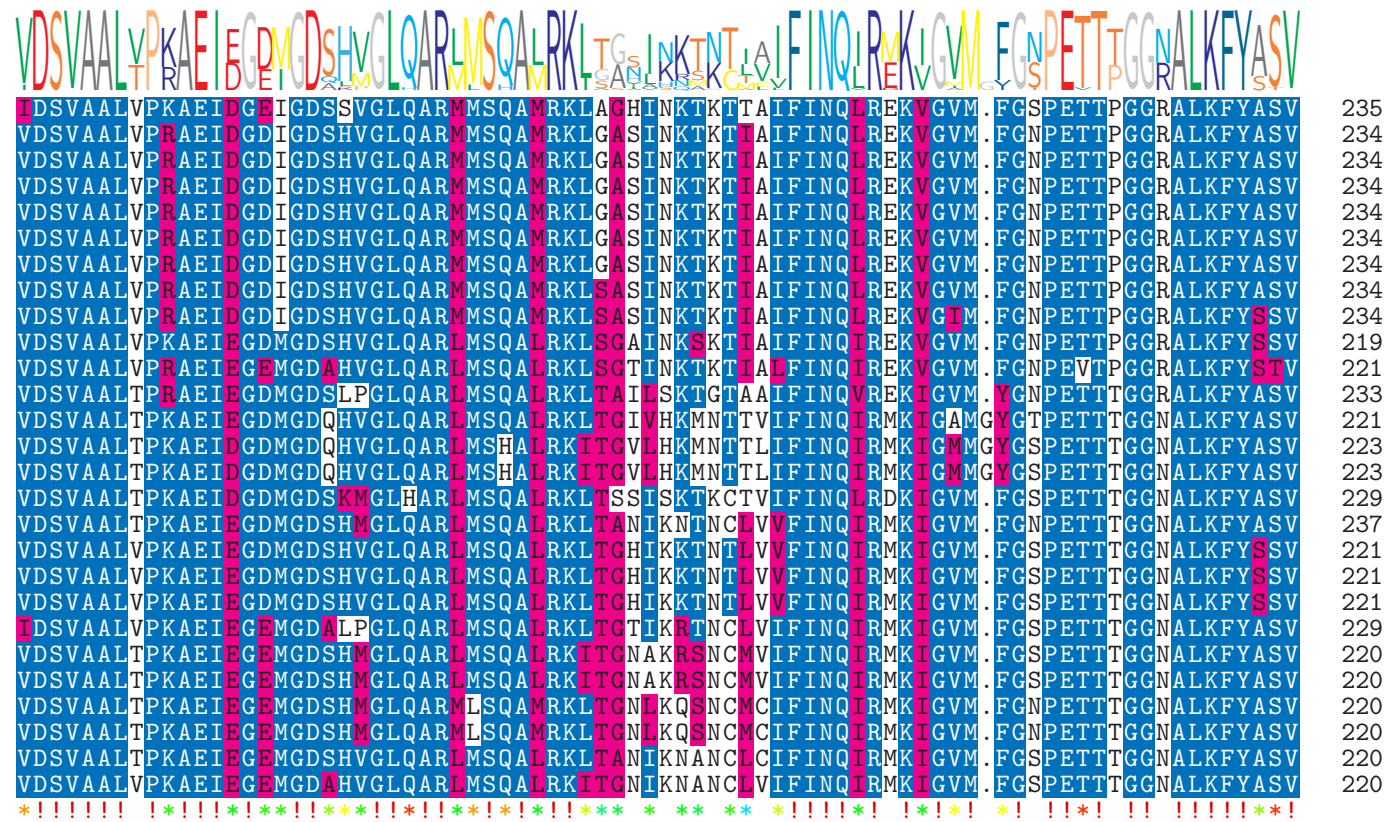
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consensus



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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIAS	DLDII	KKAG	AWYSY	KDE	313			
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIAS	DLDII	KKAG	AWYSY	KDE	313			
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIAS	DLDII	KKAG	AWYSY	KDE	313			
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NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKN	KVAPPF	KEAFV	EIMY	GEGIS	KTGEL	LKIAS	DLDII	KKAG	AWYSY	KDE	313			
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NTDB id 115 BSU 16940 NP 389576.2	RLEVRR	AEQLKQGN		DVMGN	KTIKVV	VKNKVAPP	RTAEV	DIMY	GEGIS	KEGE	IIDL	GT	ELDI	VQKSG	SWSYEEE	294			
NTDB id 625 LCA RS02525 WP 011374196.1	RLEVRR	AETIKNGT		DMIGN	RARI	IKVVKN	KVAPPF	KVAEV	DIMY	QG	GISRT	GELVD	MAVEK	DIINK	SGS	WYSYGSE	296		
NTDB id 1313 DR RS12030 WP 010888966.1	RLDVRK	IG....	QPTKVG	ND	AVANT	VKIKT	VKNKVA	APFKE	VELA	LVY	GKGF	DLSD	LVGL	AADMD	IIKKS	GFYSY	GDE	309	
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRI	IA....	AL.KQN	EQHIGN	RAKAK	VVV	VKNKVAPP	REAEF	DIMF	GEGIS	KEGE	IIDY	GVKLD	IVDK	SGAWL	SYQDK	298		
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NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRS	LSDTG	KIKDKS	GEVIGN	RTKV	VVV	VKNKVAPP	KS	AEFD	DIMY	GEGV	SKVGE	ILDV	ATDL	DI	IKSGS	WFSYQDT	309	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRRC	G....	VV.KDG	DEIIG	SETKV	VVV	VKNKVAPP	REVQ	F	DIMY	GEGIS	RMNELL	ILAE	ANGF	IKKS	SGAWF	SYDGT	312	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRRI	G....	QV.KEG	DEIVG	SETKV	VVV	VKNKMAPP	PFREAI	FQILY	GKGV	NQLG	ELVD	LAV	QQN	IVQK	AGAWYSY	QGN	295	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRRT	G....	AI.KEG	EEVLGN	ETRI	KVV	KNKIA	APFKE	ANTQ	IMY	QG	GFNR	REGEL	IDL	GVK	HKM	MVEK	SGAWYSYNGD	295
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NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRRT	G....	AV.KEG	DEVVGS	ETRV	VVV	VKNKVAPP	PFKQAEF	QILY	GKGI	YRN	GE	IIDL	GV	QQGL	LVEK	SGAWY	AYKGS	295
consensus	!***!*			*	*	*	*****!***!!*!!*!!*	*		*****!*	*****	*****	***		***	!	!*****!		

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consensus

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KIGQGS SENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIEIE	387
KIGQGS SENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIEIE	387
KIGQGS SENAKKYLAHNPEVFAEIDHQVRVQFGLIDGEEAAE...SKKDE...VAQVDS..VNEEVTLDLGDLEIEIE	383
KIGQGS SENAKKYLANPEIFDEIDHQVRVQFGLIDGEEIAE...SKKDE...AAQVDS..VNEEVTLDLGDLEIEIE	383
KIGQGS SENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAVASE...E.....TDDLALDLNGIEIED	378
KIGQGS SENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED	383
RLGQGR ENAKQFLKENKDIMLMIQEQUIREHYGLDNGGVVQQAEETQEEL.EFE.E.....	348
RIGQGR ENAKNYLADHEDVEDEVRLKVRAAAYGISDVPPEEDLPTTEDE.QI.NILPDDST.....EE	355
RIGQGKEKTIAYIAERPMEQEIRDRVMAAIRAGNAGEAPALAPAAP.....EA.....AEA	363
KLGGGR ENSKAFLKENPEIADIEITKAIQNSMGIEGMISGSEDD..EG.....EE	343
KLGGGR ENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDE..PL.....EEME	347
KLGGGR ENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDE..PL.....EEME	347
KLGGGRD TVKELIKDNPELAEELEAKIREKLQAK	343
KIGQGKNNNAVKLKENPEIADKLEQEI RNTLASNPNSVLKATA..SDSN.....DE.....SDVEEFSEEL	372
KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQD..ETDG.....ER.....P.....EE	348
KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQD..ETDG.....ER.....P.....EE	348
KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQD..ETDG.....ER.....P.....EE	348
RIGQGRDNCREFLRENAELAREIENKVRHLGVTPMGAVTLAE..EVE.....ED.....	352
KIGQGKNNVIRYFENNQIAEIEIERNIREQLLTGTNGAVQI..EDEE.....EP.....D.....LLES	349
KIGQGKNNVIRYLENPQISTEIEAVIREQLLTKASDQTAHD..ETEE.....EP.....D.....LLES	349
KIGQGKANACKYLLKENPEIAKTLDDKKLREMLLNPNEMQLIAET..SSAA.....DD.....VEFGAVP.EEF	354
KIGQGKANACKYLLKENPEIAKTLDDKKLREMLLNPNEMQLIAET..SSAA.....DD.....VEFGAVP.EEF	354
KIGQGKANVMKLFSENKALAAEVEVKLRELLLSGAAPVEEKAT...AA.....EY.....DEFEAENEQEFE	354
KIGQGKANAAKYLENPEIQEIEQQIRAKLLVTSANTKATPV....AE.....DL.....ADADI	347

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	.	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	E	388
NTDB id 228 SPD RS09265 WP 001085462.1	E	388
NTDB id 194 SPR RS08825 WP 001085462.1	E	388
NTDB id 159 SP RS09750 WP 001085462.1	E	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	E	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	E	384
NTDB id 453 Spy49 1753c ACI62003.1	.	378
NTDB id 408 SMU RS09530 WP 002262392.1	.	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
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NTDB id 47188 H7X73 RS02465 WP 010672819.1	.	354
NTDB id 1205 PSJM300 05545 AFN77183.1	.	347

consensus

 non conserved
 similar
 ≥ 50% conserved