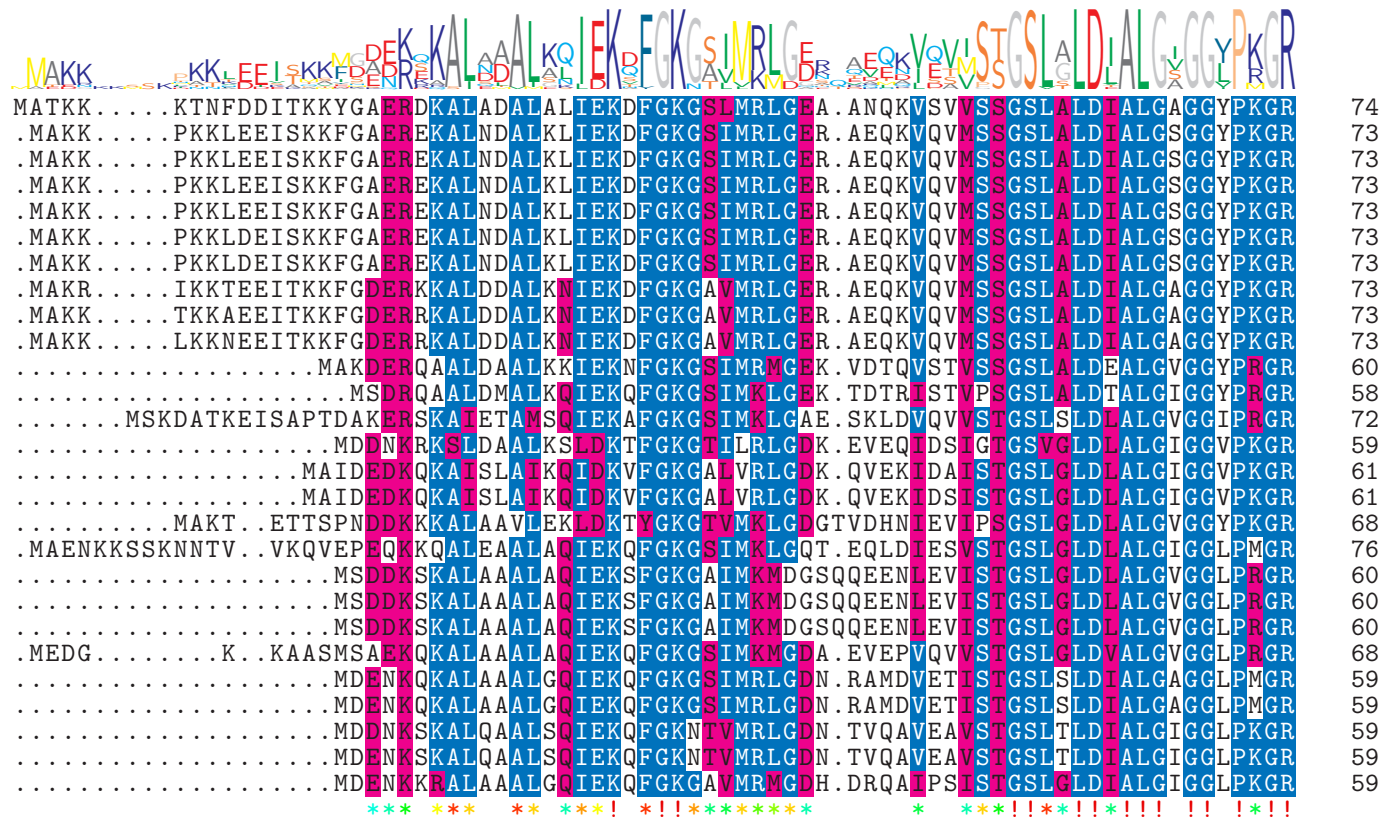


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consensus



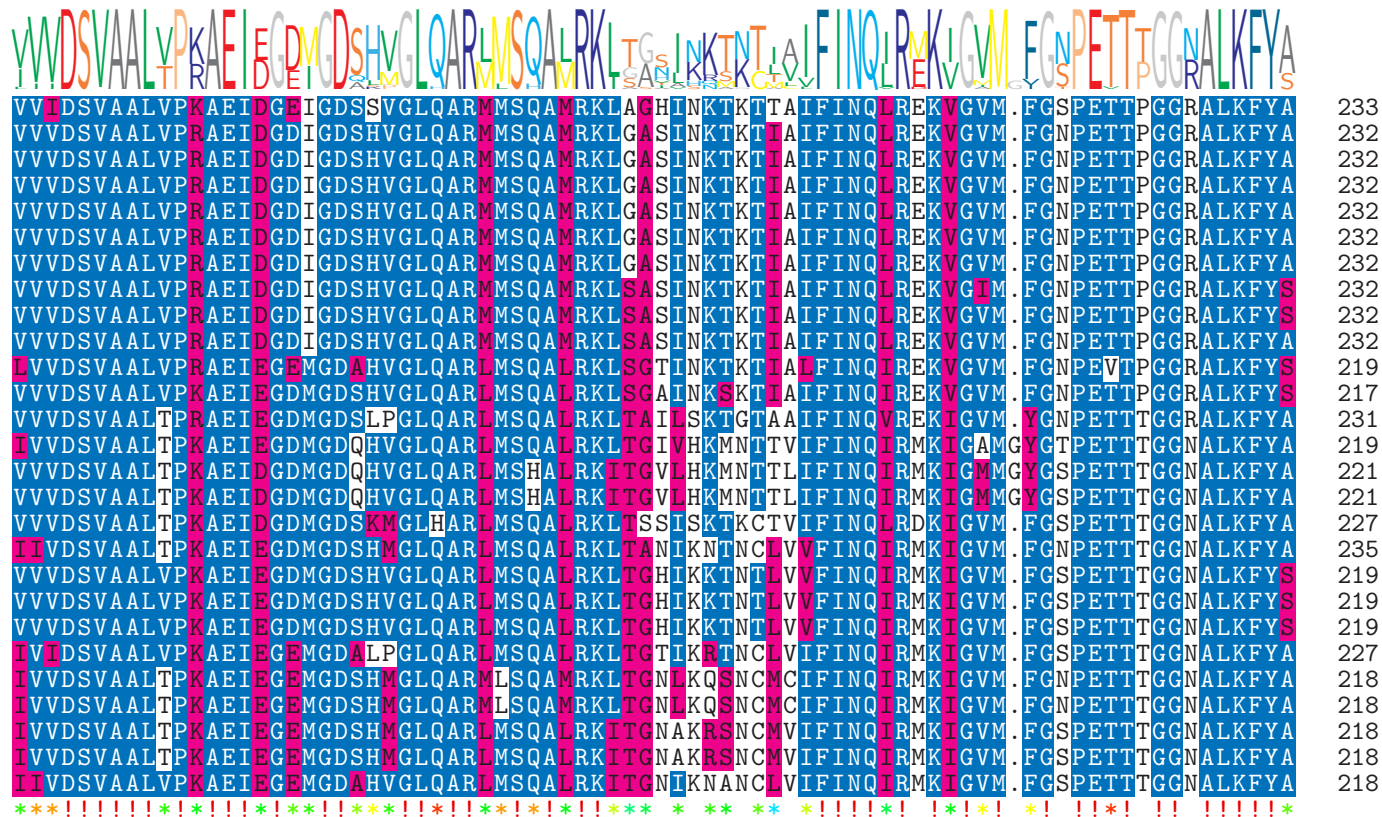
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consensus	*	*	*	*	*	*	!	!	!	!	*	!	!	!	*	!	*	*	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*	*	!	!	*					

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consensus

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logo

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NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRG	TTQIKGTG	.DQKD	SSIG	GKETK	KVVKNKVAPPF	KEAEVE	IMY	GEGIS	RTGEL	VKIAS	SDL	DIQ	KAGAWFSYN	311		
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIR	RTGA....I	KEGE	EVVGN	ETRI	KVVKNK	TAAPF	KEANTQ	IMY	G	CFNR	EGE	ID	LGVKHK	MVEK	SGAWYSYN	293
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIR	RTGA....I	KEGE	EVVGN	ETRI	KVVKNK	TAAPF	KEANTQ	IMY	G	CFNR	EGE	ID	LGVKHK	MVEK	SGAWYSYN	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIR	RIGQ....V	KEGDE	IVG	SETK	VVKNKM	MAPPF	KEAIFQ	ILY	GK	CVNQL	GEL	VD	LAVQQ	NIVQK	AGAWYSYQ	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIR	RIGQ....V	KEGDE	IVG	SETK	VVKNKM	MAPPF	KEAIFQ	ILY	GK	CTNQL	GEL	VD	LAVQQ	DIVQK	AGAWYSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIR	RTGA....V	KEGDE	EVVGN	SETR	VVKNKVAPPF	FRQAEF	QILY	GK	GIY	EN	GE	IID	LGVQQGL	VEK	SGAWIAYK	293
consensus	*!!	*****!	*	*	*	*	*****!	*!!	!!	*!!	*****	*****!	*!!	*****!			

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYL	KEHQDV	FDEID	HKVRAAH	CLDDSEVAETEEETT	ASKTKAKAKK	EEKAVETE	EIELELED		387		
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYL	LAEHPEI	FDEID	KQVRSKF	CLIDGEEVSEQD	TENKKDEPK	KEE	..AVNE	EVPLDLGDELEIE	385		
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYL	LAEHPEI	FDEID	KQVRSKF	CLIDGEEVSEQD	TENKKDEPK	KEE	..AVNE	EVPLDLGDELEIE	385		
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYL	LAEHPEI	FDEID	KQVRSKF	CLIDGEEVSEQD	TENKKDEPK	KEE	..AVNE	EVPLDLGDELEIE	385		
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYL	LAEHPEI	FDEID	KQVRSKF	CLIDGEEVSEQD	TENKKDEPK	KEE	..AVNE	EVPLDLGDELEIE	385		
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYL	ADNPEI	FDEID	HQVRVQF	CLIDGEEIAES	KKDEAA	QVD	..SVNE	EVTLDLGDELEIE	381		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYL	ADNPEI	FDEID	HQVRVQF	CLIDGEEAAES	KKDEVA	QVD	..SVNE	EVTLDLGDELEIE	381		
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFL	ADNPEI	FDDID	HKVRVQY	CLIEDNTEEEK	QSSKEKET	DE	..KADKNL	VLELDDTIELE	382		
NTDB id 1159212 QOR48 RS10210 WP 001085741.1	GEKIGQGS	ENAKKYL	ADNPAI	FDEID	HKVRVHF	CMTEDDSPVQ	SELVEE	K	..NEAD	DLVLDDLNAIEIE	378		
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYL	ADHPQL	FDEID	RKVRVKF	CLLEES	EE	ESAMAVA	S	..EETD	LALDLNGIEIE	377	
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGS	ENAKNYL	ADHEDVE	DEVRL	KVRAAY	CLSDVPEEDL	PTTEDE	QIN	ILPDD	STEE	355		
NTDB id 115 BSU 16940 NP 389576.2	EERIGQGS	ENAKQFL	KENKDI	MLMIQE	QIREHY	CLDNNGVVQQ	AAEETQEE	LE	FE	..E	348		
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQGS	KEKTIA	YIAERP	EMEQE	IRDRVMAA	IRAGNAGEAP	ALAPAPAA	PEA	AEA	.....	363		
NTDB id 1245 Cj1673c YP 002345041.1	DKKIGQGS	ENAKSKA	ELKENPEI	ADEIT	KATQNSM	CEGMI	SGSEDD	..E	GEE	.....	343		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKIGQGS	ENAKALL	KEDKAL	ADEIT	LKIKESI	CSNEEI	MPLPDE	..P	LEEM	.....	347		
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKIGQGS	ENAKALL	KEDKAL	ADEIT	LKIKESI	CSNEEI	MPLPDE	..P	LEEM	.....	347		
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKIGQGR	DTVKEL	IKDNPEI	AELE	AKIREKL	QAK	.....	.....	.....	.....	343		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGS	KNAVVK	LKENPEI	ADKLE	QEIRNTL	ASNPNS	VLKATASDS	NDES	DVEEF	SEEL	372		
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQGS	KDNVRV	LKENPEI	SDEID	AKIRALN	CVEMHI	TEGTQDET	GER	PEE	.....	348		
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGS	KDNVRV	LKENPEI	SDEID	AKIRALN	CVEMHI	TEGTQDET	GER	PEE	.....	348		
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGS	KDNVRV	LKENPEI	SDEID	AKIRALN	CVEMHI	TEGTQDET	GER	PEE	.....	348		
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFL	RENAEI	AREI	ENKVREHL	CVTPMG	AVTLA	EEV	EED	.....	352		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGS	KANACKY	LKENPEI	AKTLD	KKIREML	LNPNM	QLIAETSSA	ADDV	EF	GAVPEEF	354		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGS	KANACKY	LKENPEI	AKTLD	KKIREML	LNPNM	QLIAETSSA	ADDV	EF	GAVPEEF	354		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGS	KNNVIRY	LEENPQ	ISTE	IAVIREQ	LLTKASD	QTAA	HDET	EEEP	LL	ES	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGS	KNNVIRY	FEENNQ	IAFEI	ERNIREQ	LLTGTN	GAVQ	..I	ED	EEEP	LL	LES	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGS	KANAACKY	LEENPEI	GQEIE	QQIRAKLL	YTSAN	TKATPVAED	LADAD	I		347		
consensus	***!!!	*****	**	*****	*****	**	**	*	*	*			

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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 499 SM12261 RS08315 WP 078228268.1	IEE	384	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384	
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383	
NTDB id 1159212 QOR48 RS10210 WP 001085741.1	E..	379	
NTDB id 453 Spy49 1753c ACI62003.1	D..	378	
NTDB id 625 LCA RS02525 WP 011374196.1	...	355	
NTDB id 115 BSU 16940 NP 389576.2	...	348	
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 RA0C 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 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 1022 ACIAD RS06390 WP 004925639.1	...	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347	
consensus			

-  non conserved
-  similar
-  ≥ 50% conserved