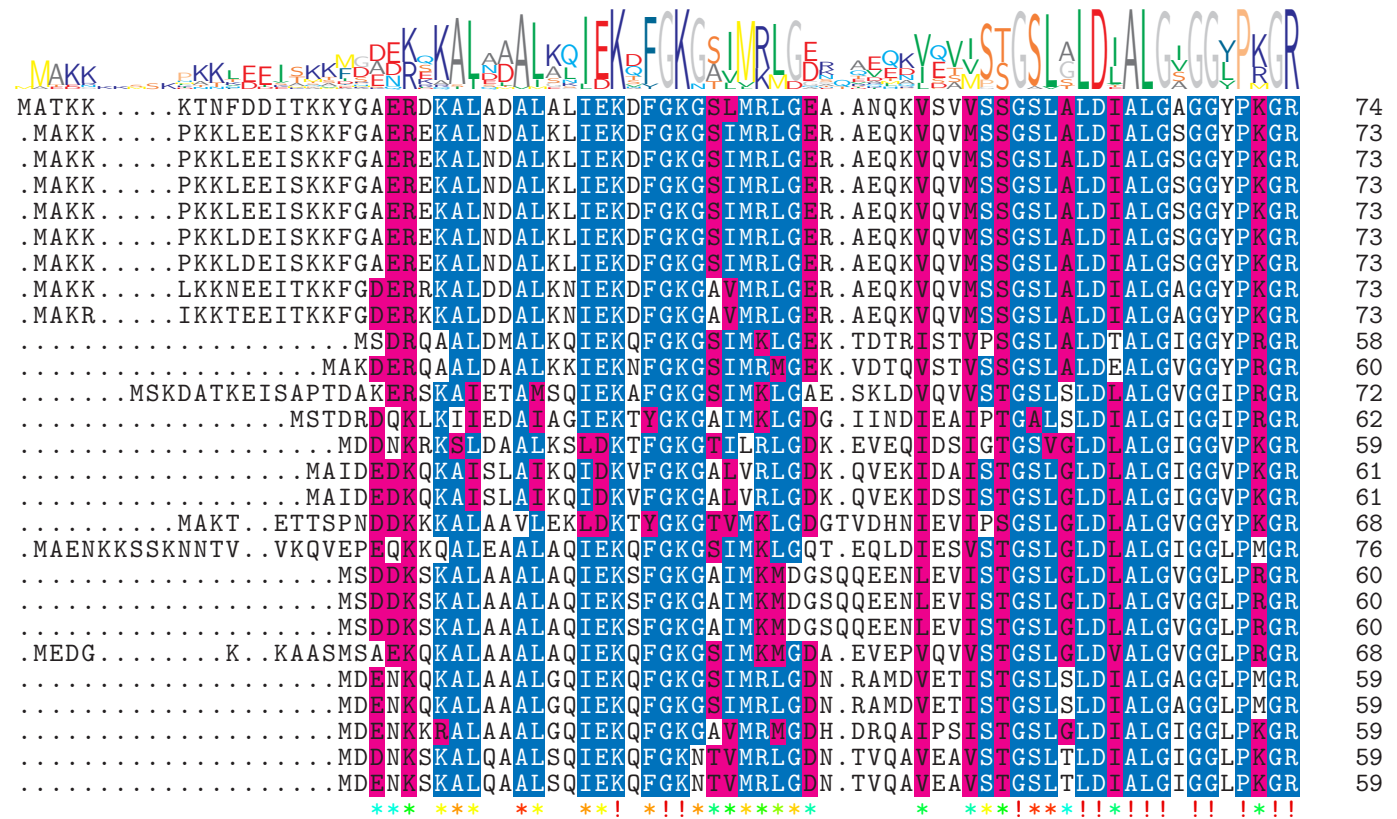


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NTDB id 625 LCA RS02525 WP 011374196.1
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consensus

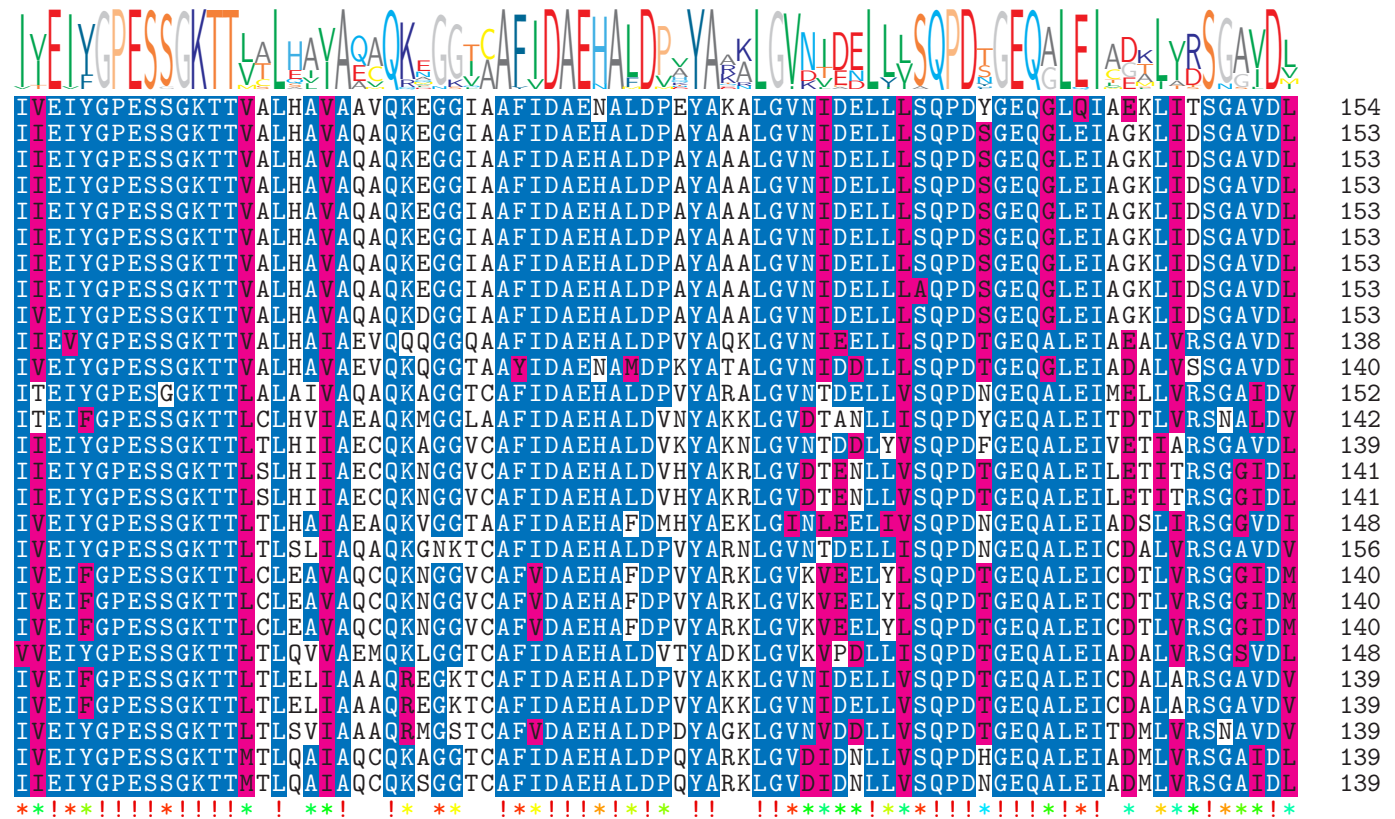
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consensus

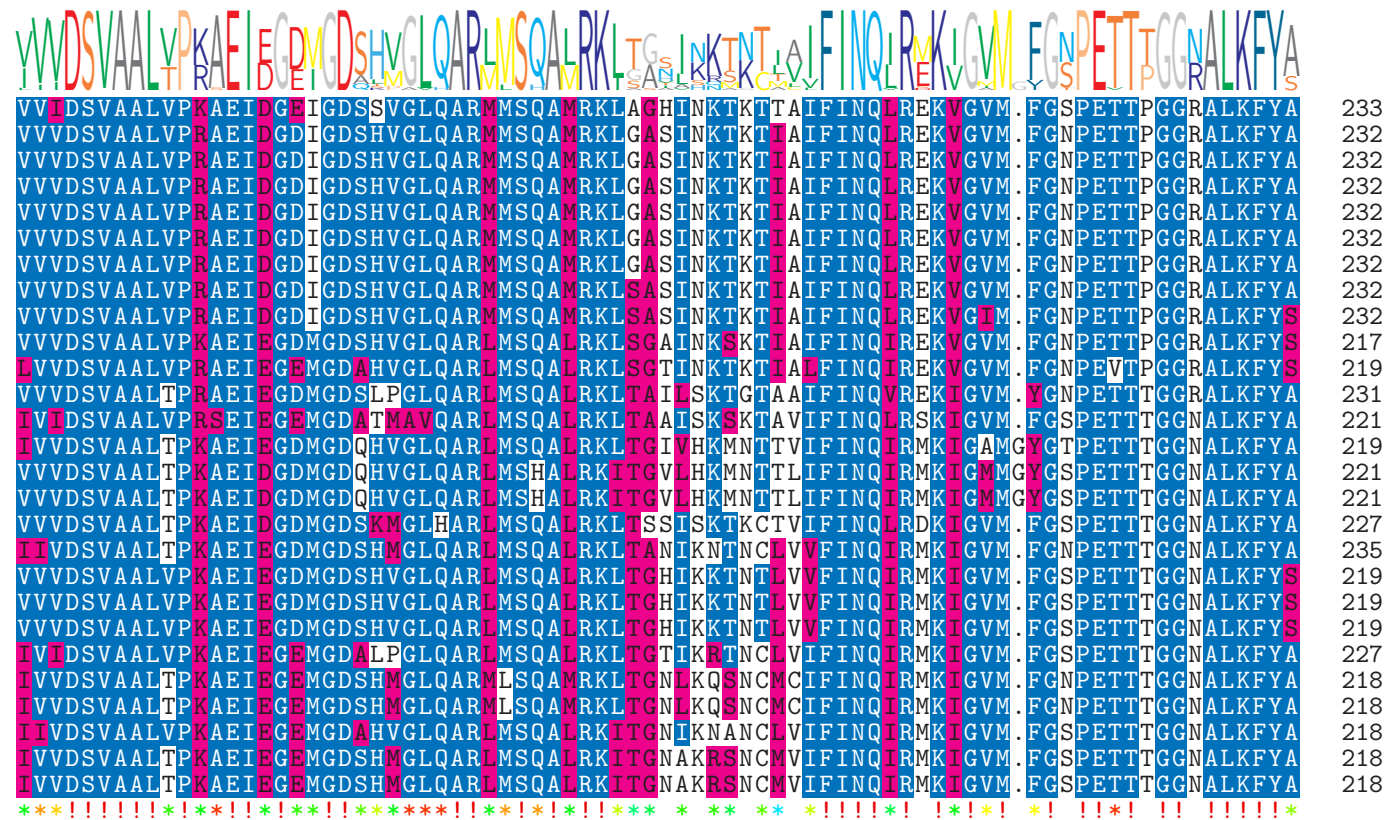
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consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGI	I	IKKSGAWFAYN	312		
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NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGGEGISKTGELLKIASDL	D	IIKKAGAWYSYK	311	
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKAEAVVEIMYGGEGISKTGELLKIASDL	D	IIKKAGAWYSYK	311	
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NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTA	EVDIMYGGEGISKEGEIIDLGTEL	D	IVQKSGSWYSYE	292	
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNEQH	IGNRAKAKVVKNKVAPPFR	EA	EFDIMFGEGISKEGEIIDYGVKLD	DIVDKSGAWLSYQ	296
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNEQH	IGNRAKAKVVKNKVAPPFR	EA	EFDIMFGEGISKEGEIIDYGVKLD	DIVDKSGAWLSYQ	296
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGDEI	IGSETKVVVVKNKVAPPFR	EVQFDIMYGGEGISRMNELL	ILAEANGFI	KKSGAWFSYD	310
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEGEV	VGNETRIKVVKNKIAAPFKEANTQIMYGGGFN	REGELIDLG	GVKHKMVEKSGAWYSYN	293	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEV	VGNETRIKVVKNKIAAPFKEANTQIMYGGGFN	REGELIDLG	GVKHKMVEKSGAWYSYN	293	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEI	IGSETKVVVVKNKMAPPFR	EA	IFQILYGKGVNQLGELVD	LAVQQNIVQKAGAWYSYQ	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEGDEI	VGSETKVVVVKNKMAPPFK	EA	IFQILYGKGTNQLGELVD	LAVQQDIVQKAGAWYSYQ	293
consensus	*!!**!* *	* ** *****!***!***!***!*	*	*****!*** ***** *	*** ! !*****!	

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAE	...	TEEETTAS	TKAKAKKEEK	AVETEEIE	LELED	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKF	GLIDGEEVSE	...	QDTENKK	DE	...	PKKEEA	380
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKF	GLIDGEEVSE	...	QDTENKK	DE	...	PKKEEA	380
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKF	GLIDGEEVSE	...	QDTENKK	DE	...	PKKEEA	380
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NTDB id 96626 QOX14 RS01135 WP 297841310.1	EDRI	..QGREQFR	QKLI	EYPEMY	KRLEDE	IKAKI	CFKRAGYE	...	AEQKAE	356
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGG	RENSKAF	LKENPEI	ADEITKAI	QNSMG	IEGMISG	...	SEDDE	..GEE	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGG	RENAKALLKED	KALADEITL	KIKESIG	SNEEIMP	...	LPDEP	..LEEM	..E	347
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGG	RENAKALLKED	KALADEITL	KIKESIG	SNEEIMP	...	LPDEP	..LEEM	..E	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGG	RDTV	KELIKDN	PELAEE	LEAKIRE	KLQAK	...	...	...	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNVAVKWL	KENPEI	ADKLEQEI	RNTLAS	NPNSVL	...	KATASD	SND	372
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NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQG	KDNVRVWL	KENPEIS	DEIDAKI	RALNGV	EMHITE	...	GT	...	348
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQG	RDNCRE	FLRENAEL	AREIENK	VREHLG	VTPMGAV	...	TLAEE	VEED	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYL	KENPEI	AKTLDK	KLREML	LNPNMQL	...	IAETSS	AADV	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYL	KENPEI	AKTLDK	KLREML	LNPNMQL	...	IAETSS	AADV	354
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRY	FEENNQ	IAEEI	ERNIRE	QLLTTGT	NGA	...	VQ	349
consensus	***!	*****	**	*	***	****	**	*	*	

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NTDB id 159 SP RS09750 WP 001085462.1	ELEIEIEE		388
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NTDB id 96626 QOX14 RS01135 WP 297841310.1			356
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consensus			

-  non conserved
-  similar
-  ≥ 50% conserved