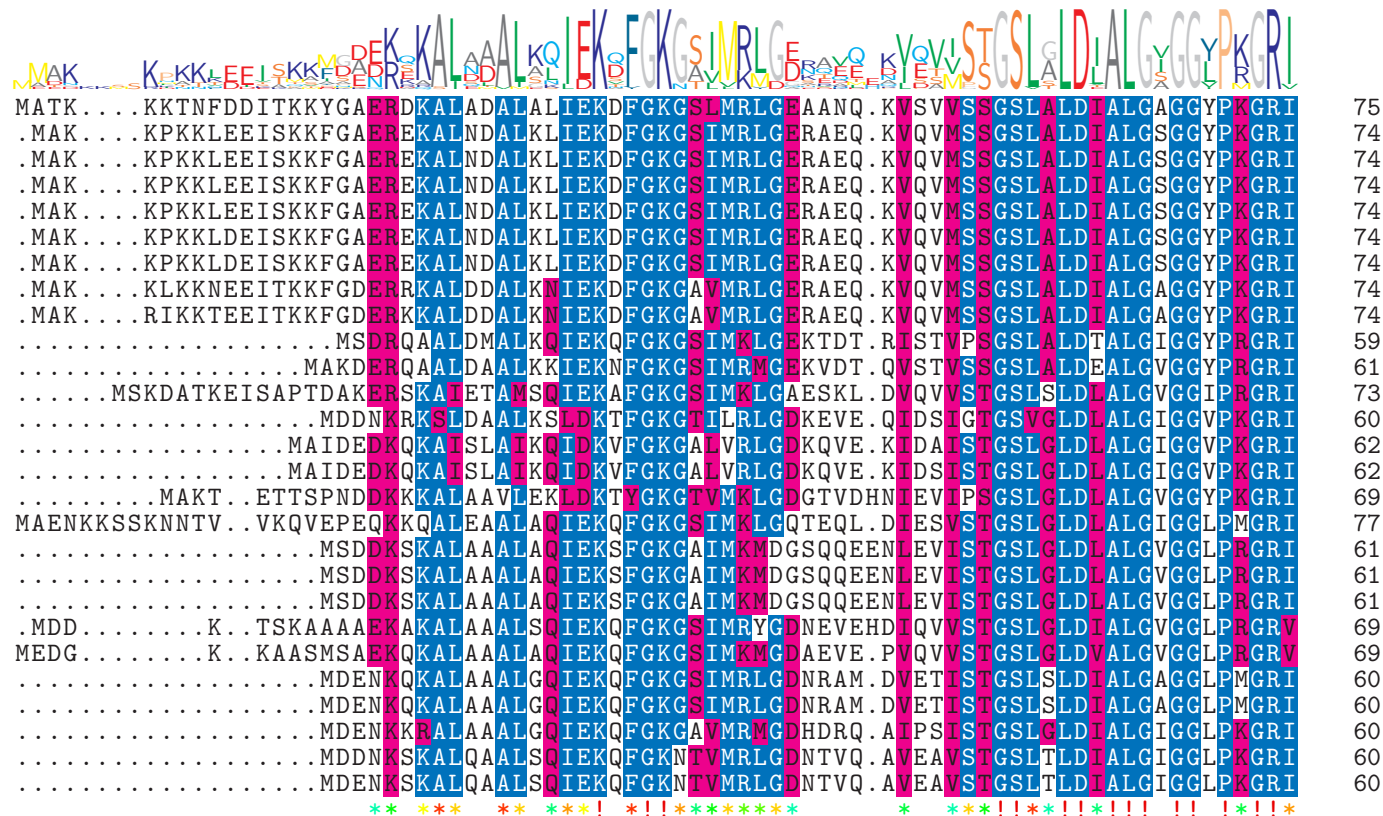


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NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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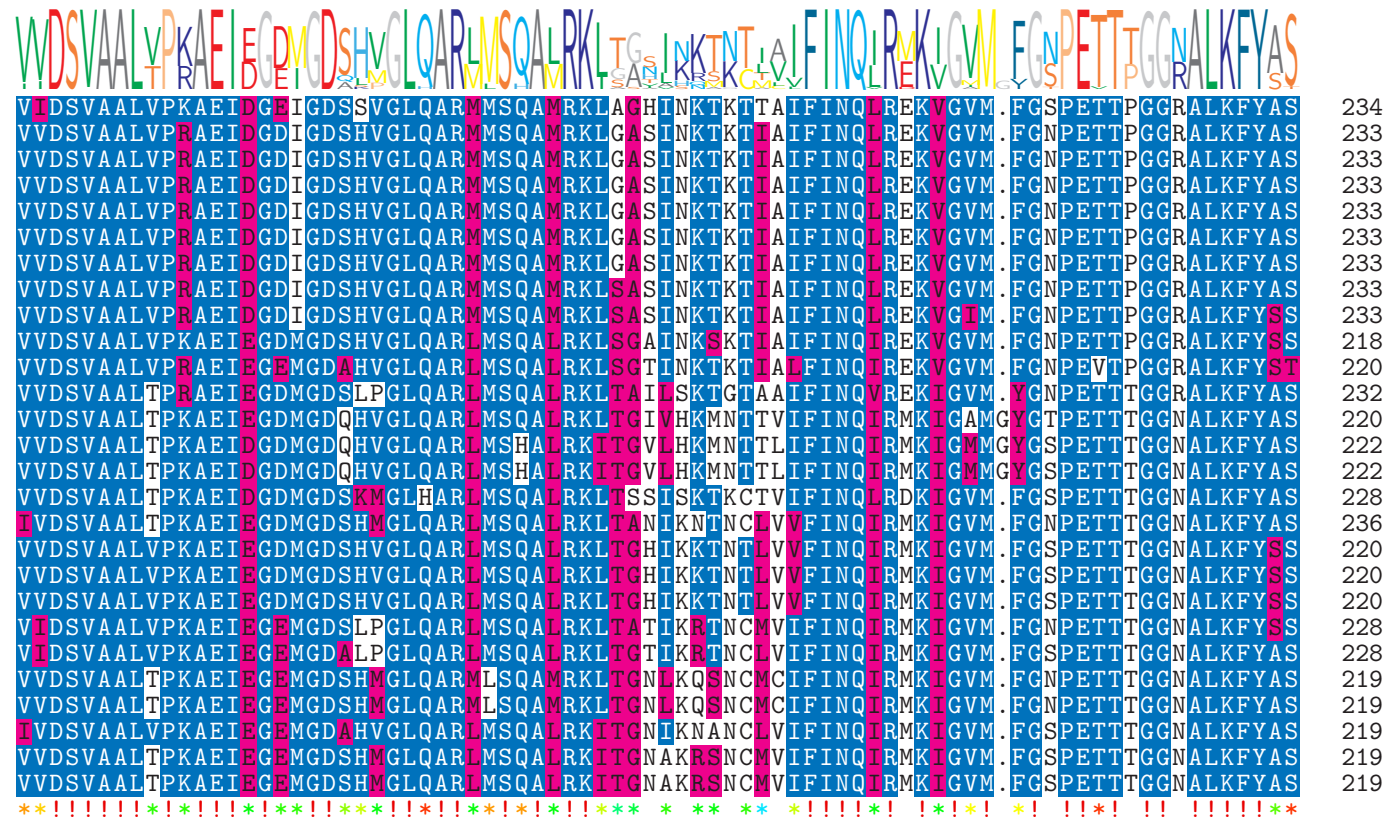
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consensus

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logo

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NTDB id 1211 C694 RS00795 WP 000963128.1	VR	I	D	I	R	R	I	A	S	.	.	.	.	.	.	.	.	.	.	L	.	K	Q	N	.	E	Q	H	I	G	N	R	A	K	A	K	V	V	K	N	K	V	A	P	P	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	D	297
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	VR	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	.	.	.	.	V	.	K	E	G	.	D	E	I	I	V	G	S	E	T	K	V	K	V	V	K	N	K	M	A	P	P	F	K	E	A	I	F	Q	I	L	Y	G	K	G	T	N	Q	L	G	E	L	V	D	L	A	V	Q															

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NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAE..	TEEETTAS	TKAKAKKEEK	AVETEEIELE	LED....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSE..	QDTENKKD	E....PKKEEA..	VNEEVPLDLG	DELEI	384
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSE..	QDTENKKD	E....PKKEEA..	VNEEVPLDLG	DELEI	384
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSE..	QDTENKKD	E....PKKEEA..	VNEEVPLDLG	DELEI	384
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSE..	QDTENKKD	E....PKKEEA..	VNEEVPLDLG	DELEI	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAE.....	SKKDE....	VAQVDS..	VNEEVTLDLG	DELEI	380
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAE.....	SKKDE....	AAQVDS..	VNEEVTLDLG	DELEI	380
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEES..	AMAVASE.....	E.....	TDDLALDL	DNNGIEI	376
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEE..	KQSSKEK.....	ETDEK..	ADKNLVLEL	DDTIEL	381
NTDB id 115 BSU 16940 NP 389576.2	ERLGGG	RENAKQFLKENKD	IMLMIQEQIREHYGL	DNNGVVQQ..	QAEETQEEL	EFEE.E.....	.....	.....	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	IRAGNAGEA	PALAPAPA	AAPEAA.EA.....	.....	.....	363
NTDB id 1245 Cj1673c YP 002345041.1	KKLGGG	RENSKAFLKENPEI	ADEITKAIQNSMG	IEGMIS..	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	RDTVKELIKDNPEL	AEELEAKIREKLQAK	.....	.....	.....	.....	.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQG	KNNAVKWLKENPEI	ADKLEQIRNTLAS	NPNSV..LKATAS	DSNDES.DVEEF	.....	SEEL.....	.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHIT..E.....	GTQDE.TDGER	.....	PEE.....	.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHIT..E.....	GTQDE.TDGER	.....	PEE.....	.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHIT..E.....	GTQDE.TDGER	.....	PEE.....	.....	348
NTDB id 195829 BG537 RS12885 WP 003812760.1	NRIGQG	KDNVREYLKEHKEM	AIEIENKVRNQC	IVSRAA..T.FP	ASEAEDGE.....	.....	.....	.....	353
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQG	RDNCRREFLR	ENAELAREIENK	VREHLGVTPMGA..	V.TLAE	EEVEED.....	.....	.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KANACKYLLKENPEI	AKTLDKKLREMLLN	PENMQ..LIAET	SSAADDV.EFGAV	.....	PEEF.....	.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KANACKYLLKENPEI	AKTLDKKLREMLLN	PENMQ..LIAET	SSAADDV.EFGAV	.....	PEEF.....	.....	354
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANAAYLEENPEI	GQIEQQIRAKLL	TSANT..KATP	VAEDLADA.DI.....	.....	.....	.....	347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNNVIRYLEENPQ	ISTEIEAVIREQLL	TKASDQ..TAA	.HDETEEP.DLL.....	ES.....	.....	.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNNVIRYFEENN	QIAEEIERNIREQLL	TTGTNG..AVQ	.I.EDEEP.DLL.....	LES.....			349
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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 195829 BG537 RS12885 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