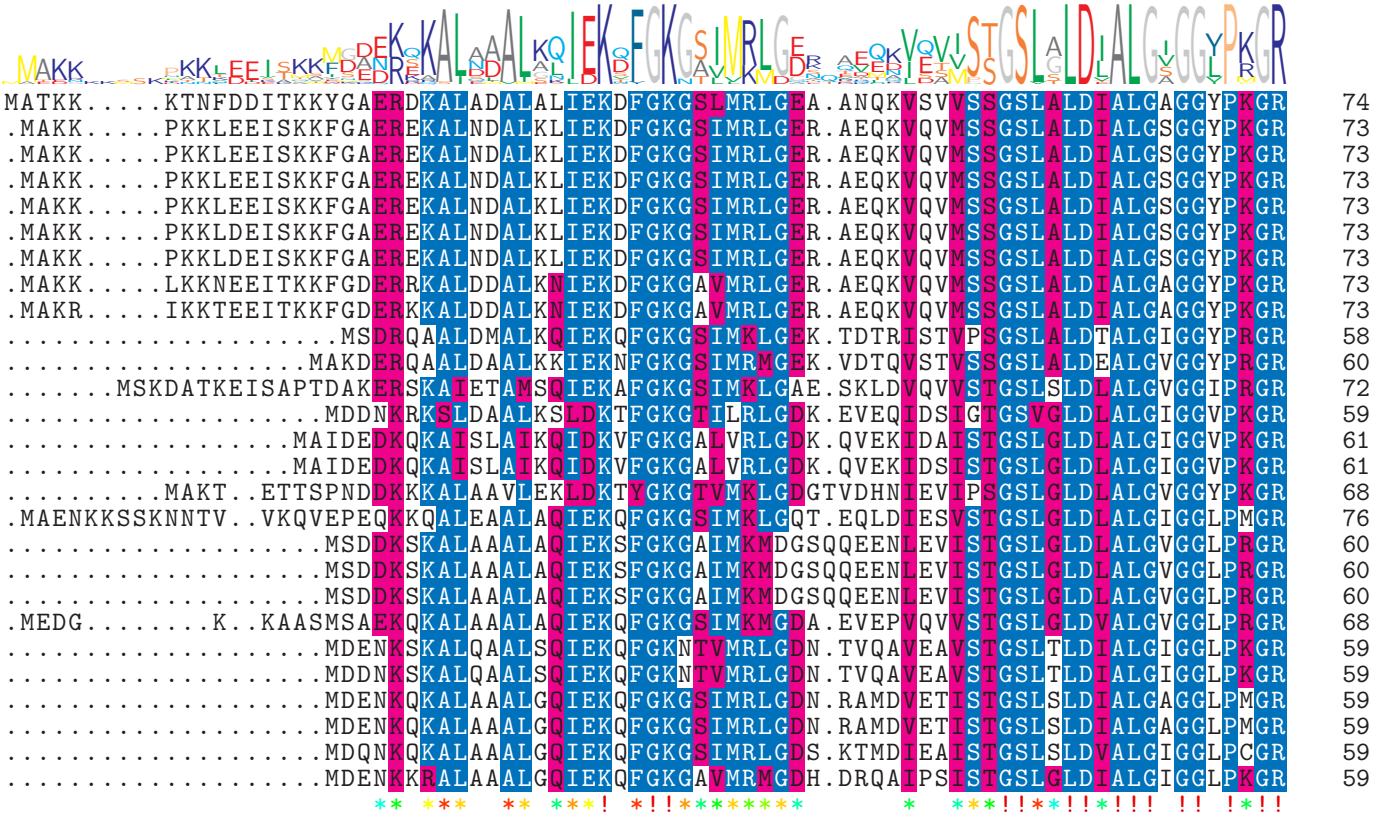
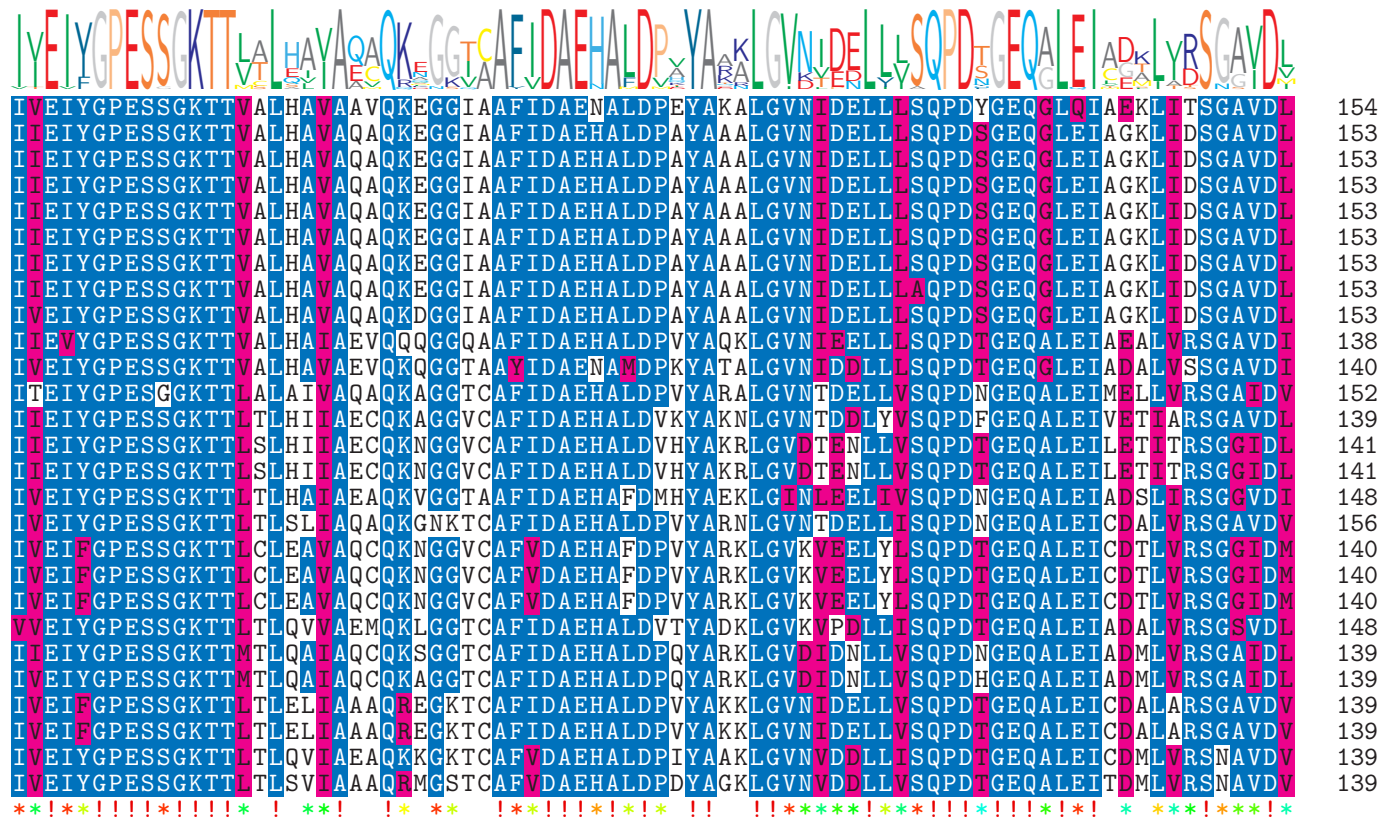


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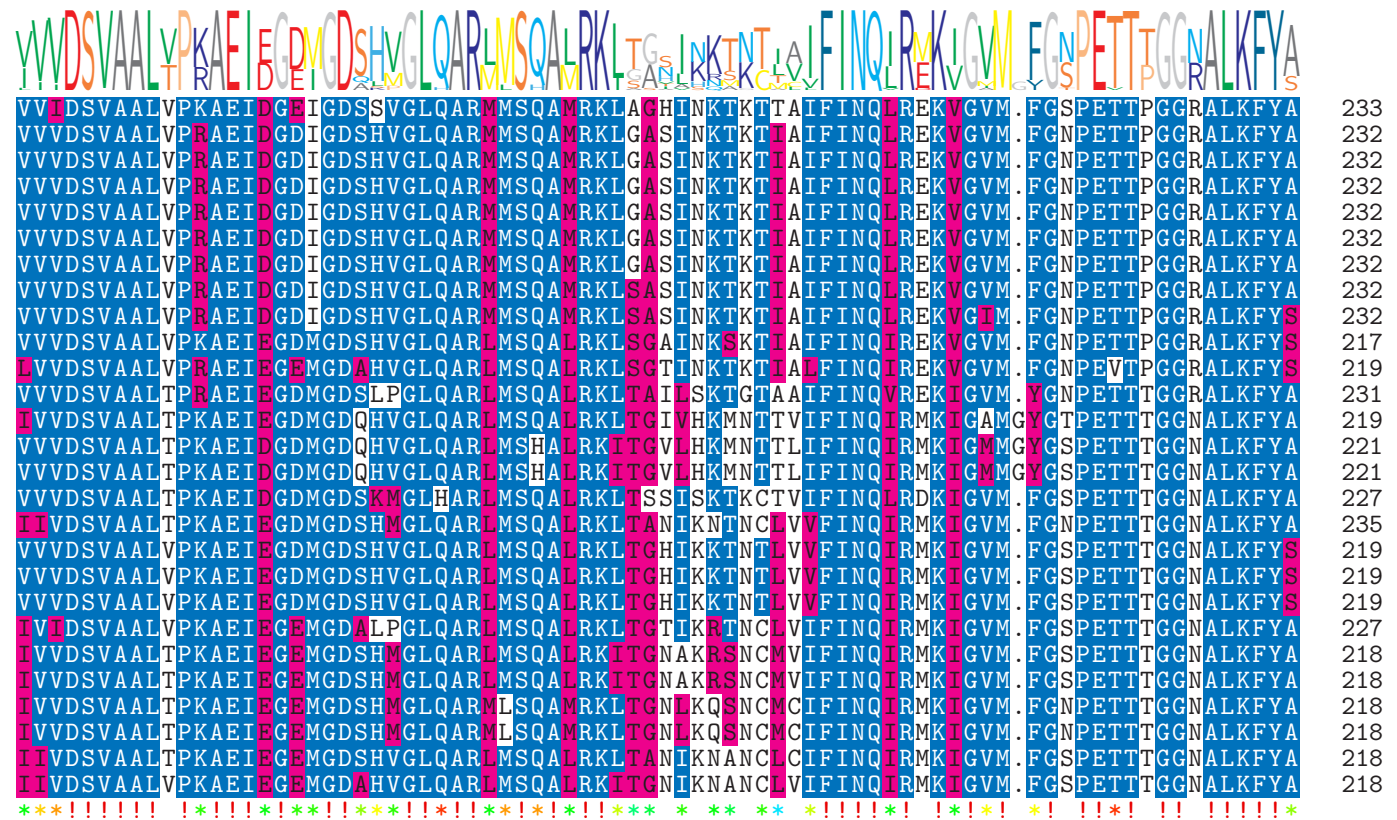
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NTDB id 1142 GTF74 RS11550 WP 000344154.1
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consensus



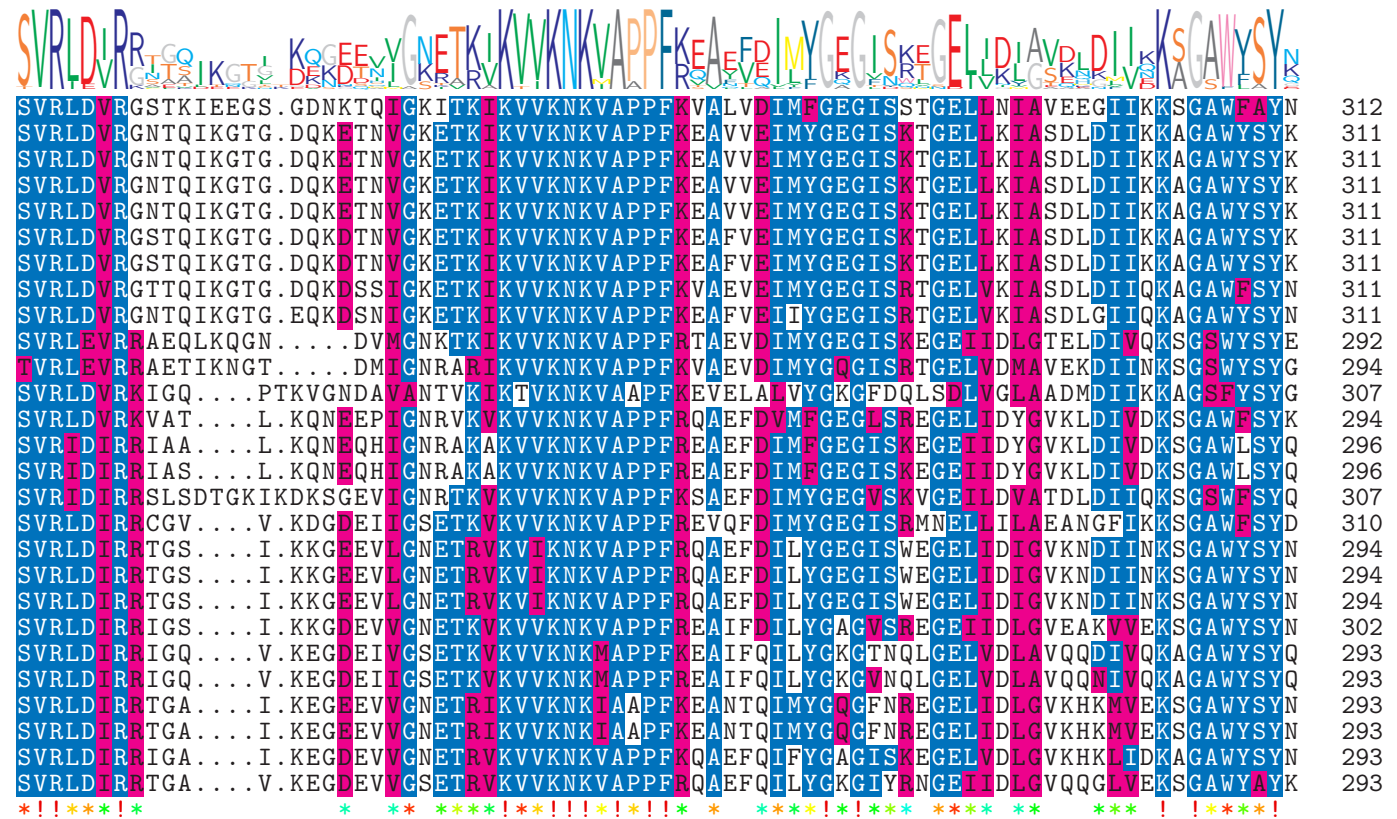
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAK	AKKEEKAVETEEIELELED		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA..VNEEVPLDLGDELEI		384
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA..VNEEVPLDLGDELEI		384
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA..VNEEVPLDLGDELEI		384
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA..VNEEVPLDLGDELEI		384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLADNPEV	FAEIDHQVRVQFGL	IDGEEAAE	SKKDE	VAQVDS..VNEEVTLDLGDELEI		380
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAE	SKKDE	AAQVDS..VNEEVTLDLGDELEI		380
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAMAVASE	E.....	TDDLALDLNNGIEI		376
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSKEK	ETDEK..	ADKNLVLELDDTIEL		381
NTDB id 115 BSU 16940 NP 389576.2	EERLGGG	RENAKQFLKENKD	IMLMIQEQIREHYGL	DNNGVVQQAEETQEEL	EFE..E.....			348
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTEDE	QI.NIL.PDDST	EE.....		355
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTIAYIAERPEME	QEIRDRVMAAIRAGN	AGEAPALAPAPAAPEAA	EA.....			363
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGG	RENSKAFLENPEIA	DEITKAIQNSMG	IEGMISGSEDDEGEE	.....			343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGG	RENAKALLKEDKALA	DEITLKI	KESIGSNEEIMPLPDEPLEEME	.....			347
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGG	RENAKALLKEDKALA	DEITLKI	KESIGSNEEIMPLPDEPLEEME	.....			347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGG	RDTVKELIKDNPELA	ELEAKIREKLQAK	.....				343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNAVKWLKENPEIA	DKLEQEIRNTLAS	NPNSVLKATASDSN	DESD...VEE...FSEEL	.....		372
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHIT	EGTQDET	DGERPEE	.....		348
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHIT	EGTQDET	DGERPEE	.....		348
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGVEMHIT	EGTQDET	DGERPEE	.....		348
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQG	RDNCREFLRENAELARE	IEENKVREHLGVTPMG	AVTLAAEEVEED	.....			352
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRYFEENNQIAE	EIERNIREQLLTGTG	NAVQI.EDEE	EPDL...LLES	.....		349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYLEENPQISTE	IEEAVIREQLLTKASD	QTAAHDETEE	EPDL...LES	.....		349
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYLNKENPEIA	AKTLDKKLREMLLN	PENMQLIAETSSAAD	DVEFGAVPEE	F.....		354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYLNKENPEIA	AKTLDKKLREMLLN	PENMQLIAETSSAAD	DVEFGAVPEE	F.....		354
NTDB id 99305 AhyD4 RS03090 WP 011707431.1	GEKIGQG	KANVMKLF	ENKAMAGEVEARL	RELLLSGAVPVDDKAAPV	EAEFEFDAESEQE	FE.....		354
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANAACKYLEENPEIG	QIEEQIRAKLLVTSAN	..TKATPV.AED	LADADI			347
consensus	***!!!	*****	**	*****	*****	**	**	*

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NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEE		388
NTDB id 228 SPD RS09265 WP 001085462.1	EIEE		388
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consensus			

-  non conserved
-  similar
-  ≥ 50% conserved