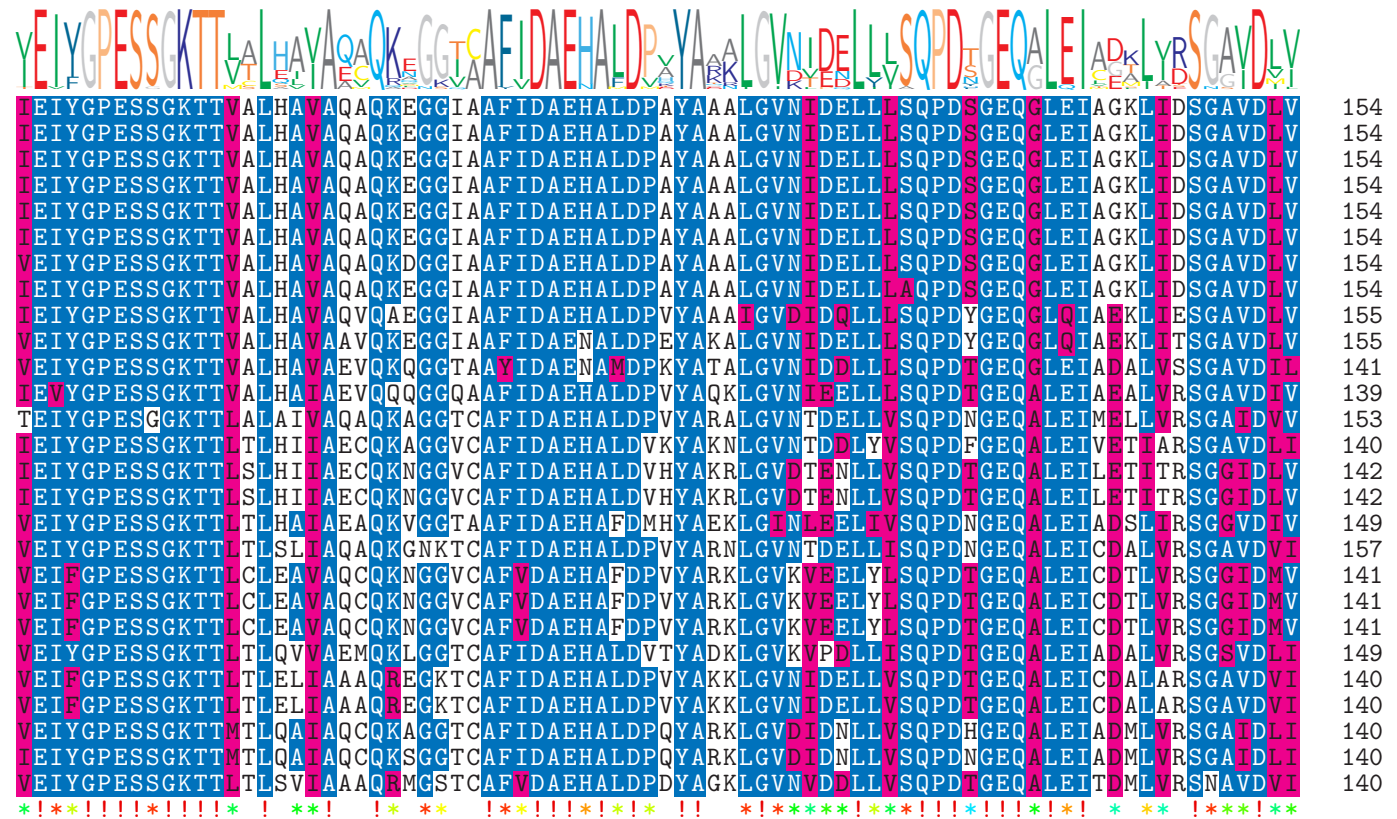


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NTDB	id	1313	DR	RS12030	WP	010888966.1	MSKDATKEISAPTDAKERSKALJETAM	SQIEKAFGKGSIMKLGAE.SKLDVQVST	GSLSLDLALGVGGIPKGRI	73	
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NTDB id 67809 NALG RS04655 WP 019291389.1
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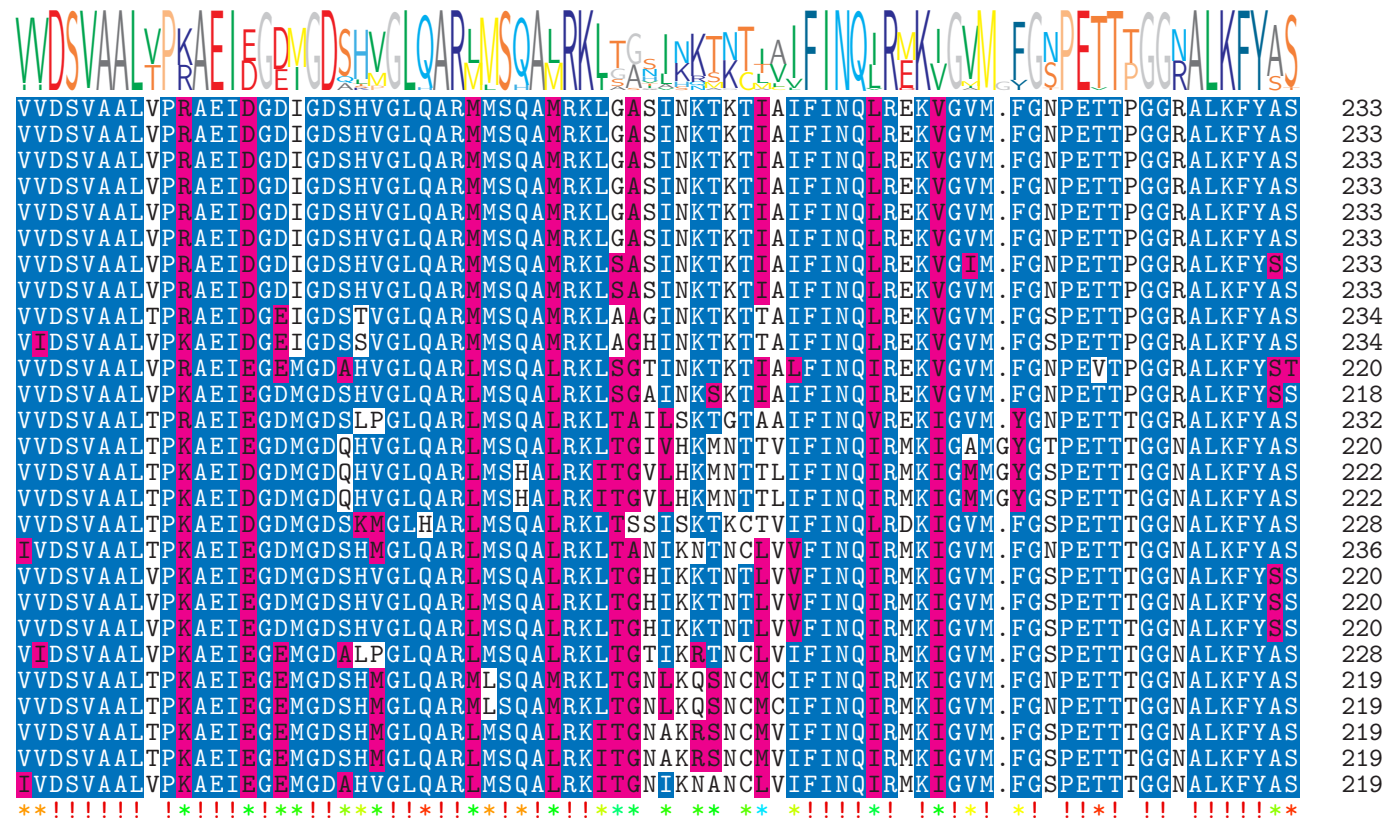
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	VR	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	.	.	.	.	.	.	V	.	K	E	G	D	E	I	I	G	S	E	T	K	V	K	V	V	K	N	K	M	A	P	P	F	R	E	A	I	F	Q	I	L	Y	G	K	G	V	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	I	V	Q	K	A	G	A	W	S	Y	Q	G	294			
NTDB id 1074 ABD1 RS10195 WP 000344167.1	VR	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	.	.	.	.	.	.	V	.	K	E	G	D	E	I	I	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	Q	I	V	Q	K	A	G	A	W	S	Y	Q	G	294			
NTDB id 1205 PSJM300 05545 AFN77183.1	VR	L	D	I	R	R	T	G	A	.	.	.	.	.	.	.	.	.	.	.	.	V	.	K	E	G	D	E	V	V	G	S	E	T	R	V	K	V	V	K	N	K	V	A	P	P	F	R	Q	A	E	F	Q	I	L	Y	G	K	G	I	Y	R	N	G	E	I	I	D	L	G	V	Q	Q	L	V	E	K	S	G										

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NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIF	DEIDKQ	VRSKFGL	IDGEEV	SEQDTENKKDEPKKEE	EAV		NEEVPLDLGDELEIEI	386					
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIF	DEIDKQ	VRSKFGL	IDGEEV	SEQDTENKKDEPKKEE	EAV	.....	NEEVPLDLGDELEIEI	386					
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIF	DEIDKQ	VRSKFGL	IDGEEV	SEQDTENKKDEPKKEE	EAV	.....	NEEVPLDLGDELEIEI	386					
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLA	EHPEIF	DEIDKQ	VRSKFGL	IDGEEV	SEQDTENKKDEPKKEE	EAV	.....	NEEVPLDLGDELEIEI	386					
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLA	DNPEIF	DEIDHQ	VRVQFGL	IDGEEIAES	KKDEAAQV	DSV	.....	NEEVTLDLGDELEIEI	382					
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLA	DNPEV	FAEIDHQ	VRVQFGL	IDGEEAAES	KKDEVAQV	DSV	.....	NEEVTLDLGDELEIEI	382					
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLA	DNPEIF	DDIDHK	VRVQYGL	IEEDNT	EEKQSSKEK...ETDE	EKA	.....	DNKLVLELDDTIELED	383					
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLA	DHPQLF	DEIDRK	VRVKFGL	LEESE	EEESAMAVASE...E	.....	TDDLALDL	DNGIEIED	378					
NTDB id 67809 NALG RS04655 WP 019291389.1	EKIGQGA	EKA	KAFLK	DNPEIF	NEIDRK	VRQNHGL	IESDE	ENEKEDAKPA...KADE	EKV	VEAAGV	EEIELELE	.....	383			
NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EKA	KANYL	KEHQDV	FDEIDHK	VRAAHGL	LDDSE	VAETEEETTAS	TKAKAK	KEEKAV	ETEEIELE	LED		387		
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQGR	ENAKNYLA	DHEDVE	DEVRLK	VRAAYG	ISDV	PEEDLPTTEDE.Q	.....	INILPDD	STEE..			355			
NTDB id 115 BSU 16940 NP 389576.2	ERLGQGR	ENAKQFL	KENKDI	MLMIQE	QIREHY	GLDNNG	VVQQAEETQEE	.....	LEFE.E	.....			348			
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQG	KEKTI	AYIA	ERP	MEQE	IRDRV	MAAIRAGNAGEAPALAPAPAP	..EAAE	EA	.....			363			
NTDB id 1245 Cj1673c YP 002345041.1	KKLGQGR	ENSKAFL	KENPEIA	DEITKA	IQNSMG	IEGMI	SGSEDD	...EGEE	.....				343			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKLGQGR	ENAKALL	KEDKAL	ADEITLK	IKESIG	SNEEI	MPLPDE	...PLEEME	.....				347			
NTDB id 1211 C694 RS00795 WP 000963128.1	KKLGQGR	ENAKALL	KEDKAL	ADEITLK	IKESIG	SNEEI	MPLPDE	...PLEEME	.....				347			
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKLGQGR	DTV	KELIK	DNPEL	AEELEAK	IREKL	QAK	.....					343			
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQG	KNN	AVKWL	KENPEI	ADKLE	QEIR	NTLASNPNS	VLKATAS	..DSNDE	SDVEEF	SEEL	.....	372			
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDN	VRVWL	KENPEIS	DEIDAK	IRALNG	VEMHI	TEGTQDE	..TDGER	.....	PEE	.....	348			
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDN	VRVWL	KENPEIS	DEIDAK	IRALNG	VEMHI	TEGTQDE	..TDGER	.....	PEE	.....	348			
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDN	VRVWL	KENPEIS	DEIDAK	IRALNG	VEMHI	TEGTQDE	..TDGER	.....	PEE	.....	348			
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQGR	DNCR	REFL	RENAEL	AREI	ENKV	REHLG	VTPMG	AVTLA	..E	EVEED	.....	352			
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KAN	ACKYL	KENPEI	AKTLD	KKL	REMLLN	PENM	QLIAETS	..SAADD	VEFGAV	PEEF		354		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KAN	ACKYL	KENPEI	AKTLD	KKL	REMLLN	PENM	QLIAETS	..SAADD	VEFGAV	PEEF		354		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNN	VIRY	LEENP	QISTE	IEAV	IREQL	LT	TKASD	QTAA	..HD	..ETEE	EPDLL	..ES		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNN	VIRY	FEENN	QIAE	EIERN	IREQL	LT	TGTN	GAVQ	..I	..EDE	EPDLL	..LES		349
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANA	AKYL	LEENPEI	GQIE	IEQQ	IRAKLL	VTSAN	TKATPVA	..EDLAD	ADI				347	
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NTDB id 269 KZH43 RS08665 WP 001085462.1	EE	388
NTDB id 228 SPD RS09265 WP 001085462.1	EE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EE	388
NTDB id 159 SP RS09750 WP 001085462.1	EE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	EE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE	384
NTDB id 408 SMU RS09530 WP 002262392.1	..	383
NTDB id 453 Spy49 1753c ACI62003.1	..	378
NTDB id 67809 NALG RS04655 WP 019291389.1	..	383
NTDB id 600 KW2 RS01765 WP 011675413.1	..	387
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 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 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