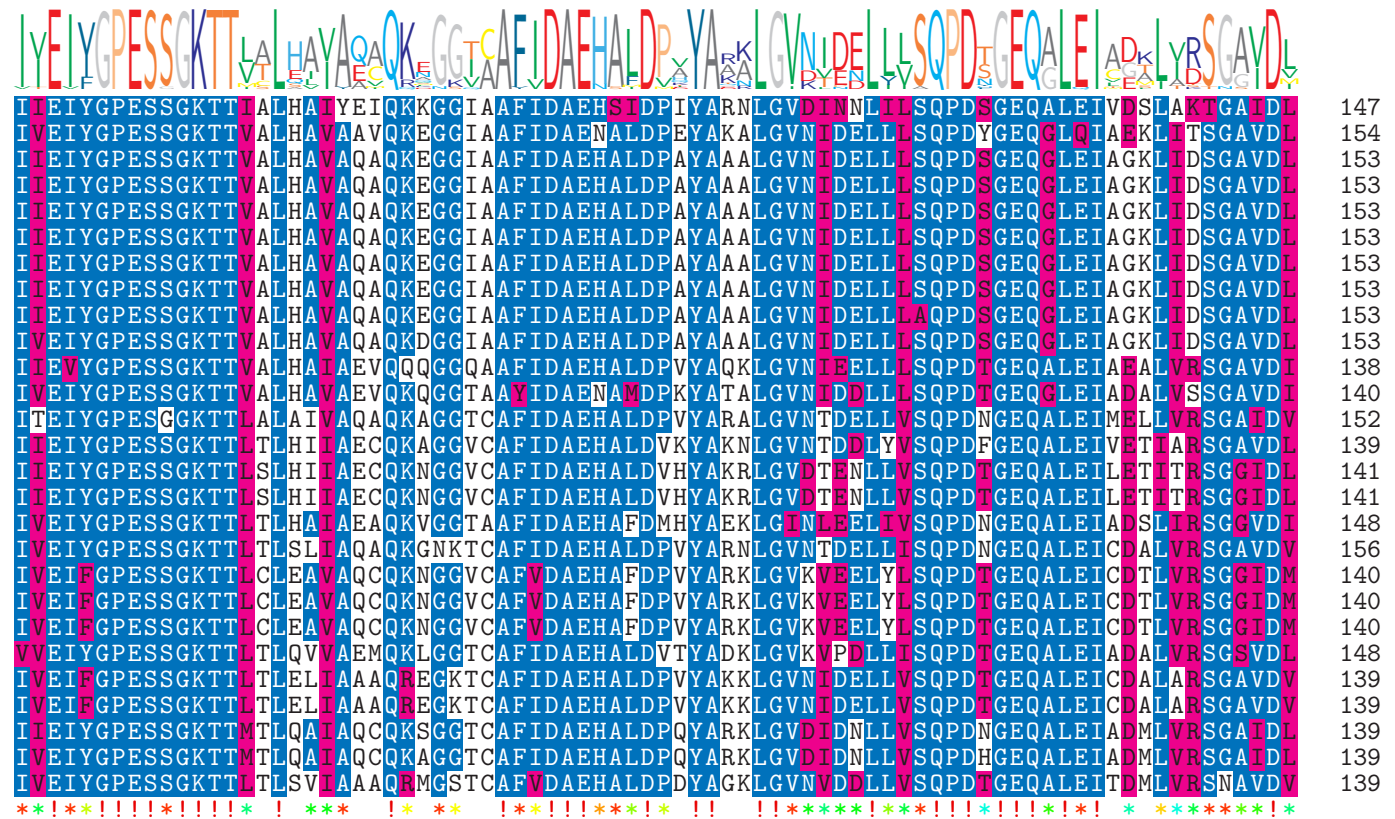


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NTDB id 328602 EGN60 RS03035 WP 124724591.1	MSKDKS.....KNSSLMNDSL	IEET	FKE	IEKK	FGPEA	IMIL	GEK	.PNI	IPKTF	SSGSL	ALD	NI	LGIN	GWPE	GR	67						
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGA	ERD	KAL	AD	AL	IEKD	FGKGS	LMRL	GEA	.ANQK	VSV	VSSGSL	ALD	I	ALGAGGY	PKGR	74					
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	IEKD	FGKGS	IMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGSGGY	PKGR	73					
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	IEKD	FGKGS	IMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGSGGY	PKGR	73					
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	IEKD	FGKGS	IMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGSGGY	PKGR	73					
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	IEKD	FGKGS	IMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGSGGY	PKGR	73					
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	IEKD	FGKGS	IMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGSGGY	PKGR	73					
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	IEKD	FGKGS	IMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGSGGY	PKGR	73					
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFGD	ERR	KAL	DD	AL	IEKD	FGKGA	VMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGAGGY	PKGR	73					
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFGD	ERK	KAL	DD	AL	IEKD	FGKGA	VMRL	GER	.AEQK	VQVM	SSGSL	ALD	I	ALGAGGY	PKGR	73					
NTDB id 115 BSU 16940 NP 389576.2	MS	DRQA	AL	DM	AL	IEKQ	FGKGS	IM	KL	GEK	.TD	TR	IST	VPS	GSL	ALD	TAL	GIGGY	PRGR	58		
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQA	AL	DA	AL	IEKN	FGKGS	IM	RM	GEK	.VD	TQ	VST	VSS	GSL	ALD	EAL	GVGGY	PRGR	60		
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	ERS	KAL	ET	AM	QIE	KAL	FGKGS	IM	KL	GA	.SKL	D	VQV	VST	GSL	SLD	LAL	GVGGI	PRGR	72	
NTDB id 1245 Cj1673c YP 002345041.1	MDDN	KRKS	LD	AA	AL	LKS	LDKT	FGKGT	IL	RL	GDK	.EVE	Q	IDS	IGT	GS	VGLD	LAL	GIGGV	PKGR	59	
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDE	DKQ	KAL	ISL	AI	KQ	IDKV	FGKGA	LV	RL	GDK	.QVE	K	IDS	IST	GSL	GLD	LAL	GIGGV	PKGR	61	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDE	DKQ	KAL	ISL	AI	KQ	IDKV	FGKGA	LV	RL	GDK	.QVE	K	IDA	IST	GSL	GLD	LAL	GIGGV	PKGR	61	
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPND	DKK	KAL	AA	V	LEK	LDKT	YGKGT	VM	KL	GDT	.GTV	DHNI	EV	IP	SGSL	GLD	LAL	GVGGY	PKGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQ	KKQ	AL	EA	AA	AAQ	IEKQ	FGKGS	IM	KL	GQT	.EQL	D	IES	V	TGSL	GLD	LAL	GIGGL	PMGR	76	
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSD	DKS	KAL	AA	AA	AAQ	IEKS	FGKGA	AIM	KMD	GS	Q	Q	EEN	LEV	IST	GSL	GLD	LAL	GVGGL	PRGR	60
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDEN	KQ	KAL	AA	AL	GQ	IEKQ	FGKGS	IM	RL	GDN	.RAM	D	VET	IST	GS	LS	LD	I	ALGAGGL	PMGR	59
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consensus		***	***	**	***	***	***	***	***	*	***	***	***	***	***	***	***	***	***	***		

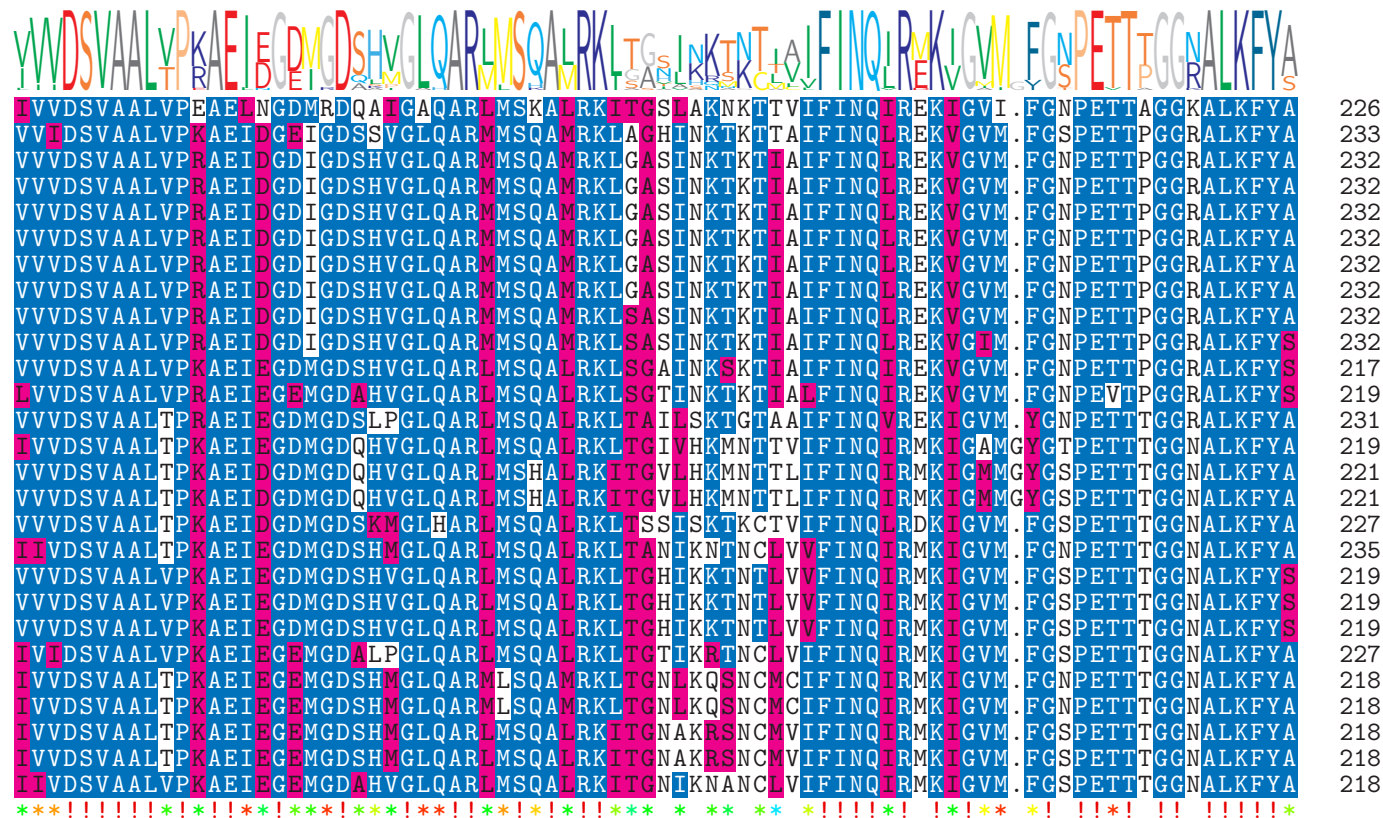
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logo

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NTDB id 1142 GTF74 RS11550 WP 000344154.1	S	V	R	L	D	I	R	R	T	G	A	.	.	.	.	.	.	.	.	.	I	.	K	E	G	.	E	E	V	.	V	G	N	E	T	R	I	K	V	V	K	N	K	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	Q	G	F	N	R	E	G	E	L	I	D	L	G	V	K	H	K	M	V	E	K	S	G	A	W	Y	S	Y	N	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	S	V	R	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	.	.	.	V	.	K	E	G	.	D	E	I	.	V	G	S	E	T	K	V	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	D	I	V	Q	K	A	G	A	W	Y	S	Y	Q	293	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	S	V	R	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	.	.	.	V	.	K	E	G	.	D	E	I	.	I	G	S	E	T	K	V	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	N	I	V	Q	K	A	G	A	W	Y	S	Y	Q	293	
NTDB id 1205 PSJM300 05545 AFN77183.1	S	V	R	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																											

NTDB id 328602 EGN60 RS03035 WP 124724591.1
NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RA0C RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 328602 EGN60 RS03035 WP 124724591.1	... 336
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 453 Spy49 1753c ACI62003.1	D.. 378
NTDB id 408 SMU RS09530 WP 002262392.1	D.. 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 1211 C694 RS00795 WP 000963128.1	... 347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	... 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
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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 1074 ABD1 RS10195 WP 000344167.1	... 349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	... 349
NTDB id 1205 PSJM300 05545 AFN77183.1	... 347

consensus

 non conserved
 similar
 ≥ 50% conserved