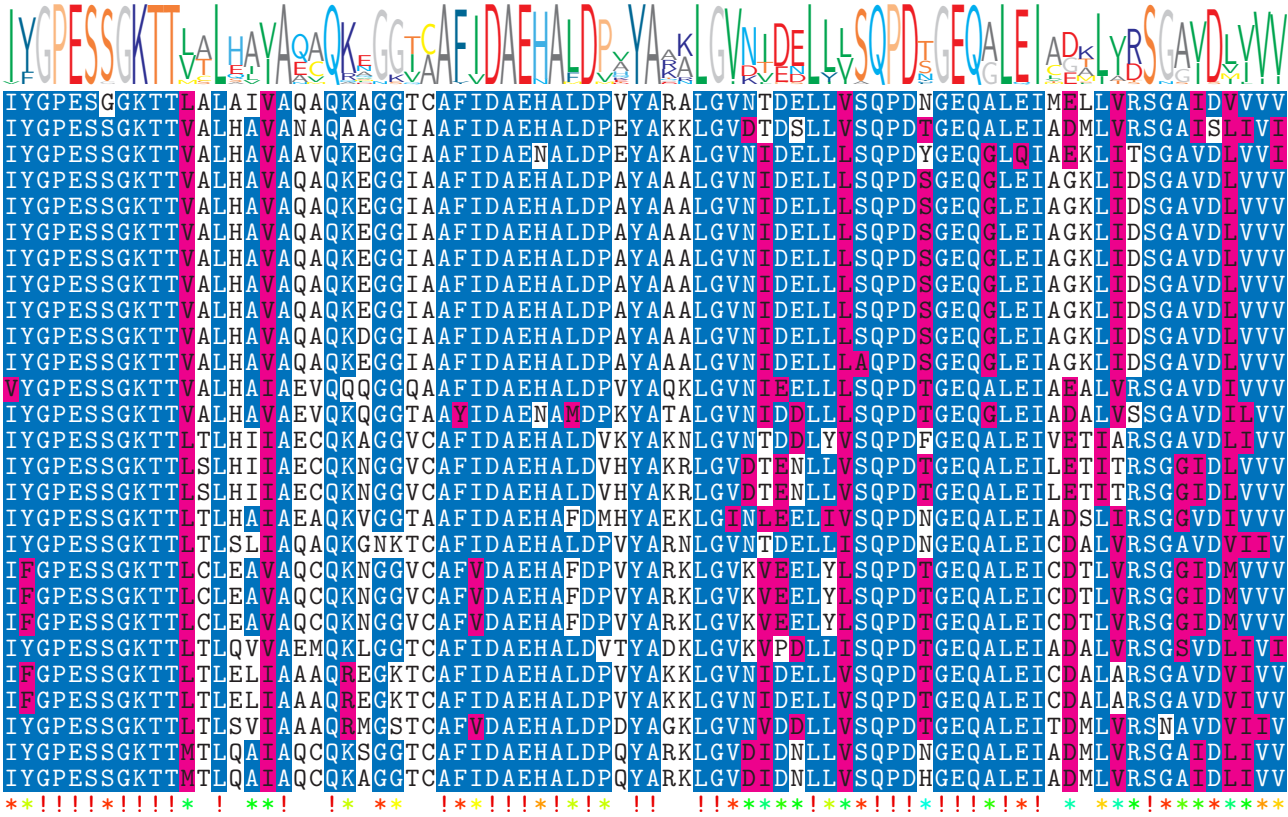


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NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 330997 EJE00 RS15280 WP 046255862.1
NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
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 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
consensus



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NTDB id 1313 DR RS12030 WP 010888966.1	LDVRRIGQ...PTKVGND	AVANTV	IKT	VKNKVA	APPF	KEVELA	LVY	GK	GFD	QLS	DLV	GLA	ADMD	I	IK	KAG	SF	YS	YG	DER	310																																																												
NTDB id 330997 EJE00 RS15280 WP 046255862.1	LDVRR	IETL	KDGT	DA	VGN	RT	RV	KV	VKNK	V	SP	PF	KQ	AE	F	D	I	LY	GK	G	IS	KE	GL	ID	MG	VE	Q	G	F	I	R	K	S	G	S	W	F	T	Y	E	G	E	Q	298																																					
NTDB id 600 KW2 RS01765 WP 011675413.1	LDVRG	STK	IEEGS	.GDN	K	T	Q	I	G	K	I	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	V	A	L	V	D	I	M	F	G	E	G	I	S	T	G	E	L	L	N	I	A	V	E	E	G	I	I	K	K	S	G	A	W	F	A	Y	N	D	E	K	315														
NTDB id 269 KZH43 RS08665 WP 001085462.1	LDVRG	NTQ	IKGTG	.DQK	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	D	E	K	314														
NTDB id 228 SPD RS09265 WP 001085462.1	LDVRG	NTQ	IKGTG	.DQK	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	D	E	K	314														
NTDB id 194 SPR RS08825 WP 001085462.1	LDVRG	NTQ	IKGTG	.DQK	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	D	E	K	314														
NTDB id 159 SP RS09750 WP 001085462.1	LDVRG	NTQ	IKGTG	.DQK	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	S	Y	K	D	E	K	314														
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NTDB id 115 BSU 16940 NP 389576.2	LEV	R	R	A	E	Q	L	K	Q	G	N	D	V	M	G	N	K	T	K	I	K	V	V	K	N	K	V	A	P	P	F	R	T	A	E	V	D	I	M	Y	G	E	G	I	S	K	E	G	E	I	I	D	L	G	T	E	L	D	I	V	Q	K	S	G	S	W	S	Y	S	E	E	E	R	295							
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	L	D	I	R	R	C	G	V	V	K	D	G	D	E	I	I	G	S	E	T	K	V	K	V	V	K	N	K	V	A	P	P	F	R	E	V	Q	F	D	I	M	Y	G	E	G	I	S	R	M	N	E	L	L	I	L	A	E	A	N	G	F	I	K	K	S	G	A	W	F	S	Y	D	G	T	K	313					
NTDB id 1130 NGFG RS03960 WP 003688695.1	L	D	I	R	R	T	G	S	I	K	K	G	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	S	Y	N	G	A	K	297						
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NTDB id 1313 DR RS12030 WP 010888966.1	IGQGKEKTIAYIAERP	MEQEIRDRVMAAIRAGNAGEAPALAPAPAA	PEAAEA	363			
NTDB id 330997 EJE00 RS15280 WP 046255862.1	LGQGGKENARNFLL	ENVVDVANEIEKKIK	KEKLGIGAVLTDD	EVVPAPVDF	364		
NTDB id 600 KW2 RS01765 WP 011675413.1	IGQGAEEKAKNYLKEHQDV	FDEIDHKVRAAHGL	LDDSEVAETEEETT	ASKTKAKAKKEEK	AVETEEIELELED	387	
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NTDB id 115 BSU 16940 NP 389576.2	LGQGGREN	AKQFLKENKD	IMLMIQEQIREHYGL	DNNGVVQQAEETQEEL	EFE	E	348
NTDB id 625 LCA RS02525 WP 011374196.1	IGQGGREN	AKNYLADHED	VEDEVRLKVR	AAYSISDVPEEDLPTTEDE	QINILPDDST	EE	355
NTDB id 1245 Cj1673c YP 002345041.1	LGQGGRENSK	AFLKENPEI	ADEITKAIQNSMG	IEGMISGSEDDE	GEE		343
NTDB id 1211 C694 RS00795 WP 000963128.1	LGQGGREN	AKALLKEDKAL	ADEITLKI	KESIGSNEEIMPLPDEP	LEEM	E	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	LGQGGREN	AKALLKEDKAL	ADEITLKI	KESIGSNEEIMPLPDEP	LEEM	E	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	LGQGRD	TVKELTKDNPE	LAEELEAKIREKLQAK				343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	IGQGGKNN	AVKWLKENPEI	ADKLEQEIRNTLAS	NPNSVLKATASDSNDES	DVEEF	SEEEL	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	IGQGGKDN	VRVWLKENPEI	SDIDA	KIRALNGVEMHITEGTQDET	DGER	PEE	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	IGQGGKDN	VRVWLKENPEI	SDIDA	KIRALNGVEMHITEGTQDET	DGER	PEE	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	IGQGGKDN	VRVWLKENPEI	SDIDA	KIRALNGVEMHITEGTQDET	DGER	PEE	348
NTDB id 1427 RS RS02760 WP 011000510.1	IGQGRD	NCREFLRENAEL	AREIENKVR	REHLGVTPMGAVTLA	EEVEED		352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	IGQGGKAN	ACKYLLKENPEI	AKTLDKKLREMLLN	PNPMQLIAETSSAADDV	EFGAV	PEEF	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	IGQGGKAN	ACKYLLKENPEI	AKTLDKKLREMLLN	PNPMQLIAETSSAADDV	EFGAV	PEEF	354
NTDB id 1205 PSJM300 05545 AFN77183.1	IGQGGKANA	AKYLEENPEI	IGQIEEQIRAKLL	VSANTKATPVAEDLADA	D	I	347
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IGQGGKNN	VIRYFEENN	QIAEEIERNIREQLL	TTGTNGAVQ	I	EDEEEP	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	IGQGGKNN	VIRYLEENPQ	ISTEIEAVIREQLL	TKASDQTAA	HDETEEP	D	349
consensus	***!!**	*****	*****	*****	**	**	*

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved