

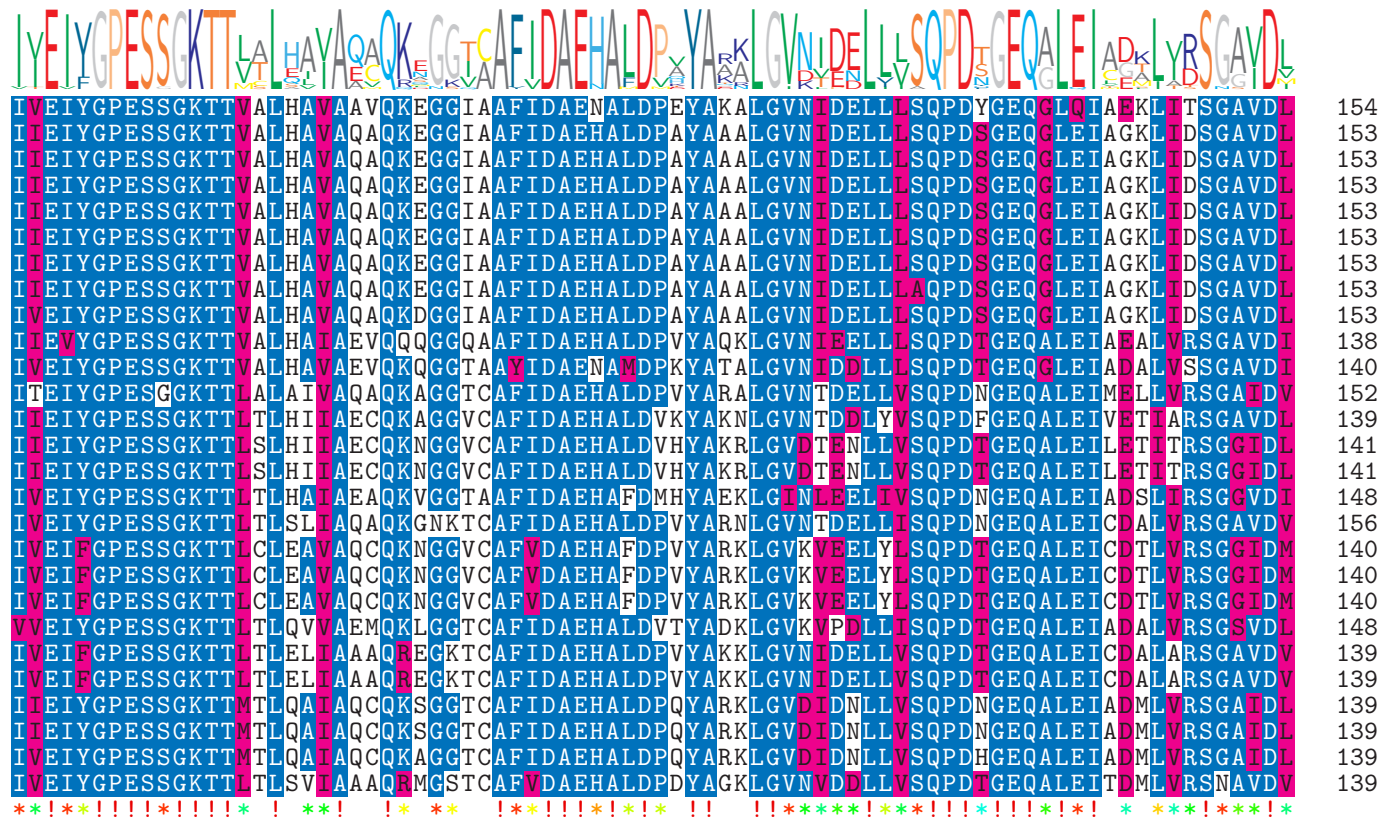
logo

NTDB	id	600	KW2	RS01765	WP	011675413.1	MATKK.....KTNFDDITKKYGA	ERD	KAL	AD	AL	AL	IEKD	FGKG	SL	MRL	GEA	.ANQKVSV	VSSGSL	ALD	I	ALG	AGGY	PKGR	74																																																																																																																																																																																																																																																																																																																
NTDB	id	269	KZH43	RS08665	WP	001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKG	SI	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	SGGY	PKGR	73																																																																																																																																																																																																																																																																																																																
NTDB	id	228	SPD	RS09265	WP	001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKG	SI	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	SGGY	PKGR	73																																																																																																																																																																																																																																																																																																																
NTDB	id	194	SPR	RS08825	WP	001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKG	SI	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	SGGY	PKGR	73																																																																																																																																																																																																																																																																																																																
NTDB	id	159	SP	RS09750	WP	001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKG	SI	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	SGGY	PKGR	73																																																																																																																																																																																																																																																																																																																
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKG	SI	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	SGGY	PKGR	73																																																																																																																																																																																																																																																																																																																
NTDB	id	499	SM12261	RS08315	WP	078228268.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKG	SI	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	SGGY	PKGR	73																																																																																																																																																																																																																																																																																																																
NTDB	id	453	Spy49	1753c	ACI	62003.1	.MAKK.....LKKNEEITKKFG	DER	RK	AL	DD	AL	KN	IEKD	FGKG	AV	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	AGGY	PKGR	73																																																																																																																																																																																																																																																																																																															
NTDB	id	408	SMU	RS09530	WP	002262392.1	.MAKR.....IKKTEEITKKFG	DER	RK	AL	DD	AL	KN	IEKD	FGKG	AV	MRL	GER	.AEQKVQVM	SSGSL	ALD	I	ALG	AGGY	PKGR	73																																																																																																																																																																																																																																																																																																															
NTDB	id	115	BSU	16940	NP	389576.2	MSDRQAALDMALKQ	IEK	Q	FGKG	SI	MKL	GEK	.TDTRI	ST	VP	SGSL	ALD	T	ALG	IGGY	PKGR	58																																																																																																																																																																																																																																																																																																																		
NTDB	id	625	LCA	RS02525	WP	011374196.1	MAK	DER	QA	AL	DA	AL	KK	IEKN	FGKG	SI	MM	GEK	.VDTQV	ST	V	SGSL	AL	DE	AL	GV	GGY	PRGR	60																																																																																																																																																																																																																																																																																																												
NTDB	id	1313	DR	RS12030	WP	010888966.1	MSKDATKEISAPTDAKERS	KA	T	ET	AM	SC	IEK	A	FGKG	SI	MKL	GA	E	.SKLD	VQ	V	ST	GS	SL	LD	L	AL	GV	GGI	PRGR	72																																																																																																																																																																																																																																																																																																									
NTDB	id	1245	Cj1673c	YP	002345041.1	MDDNKRKSLDAALKS	LD	KT	FGKG	T	IL	R	L	G	DK	.EVEQ	ID	S	IG	T	GS	V	GL	D	L	AL	G	I	GGV	VPKGR	59																																																																																																																																																																																																																																																																																																										
NTDB	id	1214	NCTC11637	00359	SQ	J03206.1	MAIDEDKQKATSLA	TK	Q	ID	KV	FGKG	AL	V	R	L	G	DK	.QVEK	ID	A	I	ST	GS	SL	GL	D	L	AL	G	I	GGV	VPKGR	61																																																																																																																																																																																																																																																																																																							
NTDB	id	1211	C694	RS00795	WP	000963128.1	MAIDEDKQKATSLA	TK	Q	ID	KV	FGKG	AL	V	R	L	G	DK	.QVEK	ID	A	I	ST	GS	SL	GL	LD	L	AL	G	I	GGV	VPKGR	61																																																																																																																																																																																																																																																																																																							
NTDB	id	1334	RAOC	RS04870	WP	004918236.1	MAKT.ETTSPNDKKK	ALA	AV	LE	K	LD	K	T	Y	G	K	T	V	M	K	L	D	G	T	V	D	H	N	I	E	V	I	P	S	G	SL	GL	D	L	AL	GV	GGY	PKGR	68																																																																																																																																																																																																																																																																																												
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	.MAENKKS	SK	NN	T	V	.VKQ	VE	P	Q	K	K	Q	A	L	E	A	A	L	A	Q	IEK	Q	FGKG	SI	MKL	G	Q	T	.EQLD	I	E	S	V	ST	GS	SL	GL	D	L	AL	G	I	GG	L	P	MGR	76																																																																																																																																																																																																																																																																																				
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	MSDDKS	K	A	A	A	L	A	Q	IEK	S	F	G	K	G	A	I	M	K	M	D	G	S	Q	Q	E	E	N	.L	E	V	I	ST	GS	SL	GL	D	L	AL	GV	GG	L	P	RGR	60																																																																																																																																																																																																																																																																																							
NTDB	id	1124	NGFG	RS03960	WP	003688695.1	MSDDKS	K	A	A	A	L	A	Q	IEK	S	F	G	K	G	A	I	M	K	M	D	G	S	Q	Q	E	E	N	.L	E	V	I	ST	GS	SL	GL	D	L	AL	GV	GG	L	P	RGR	60																																																																																																																																																																																																																																																																																							
NTDB	id	1123	OK783	RS03845	WP	003688695.1	MSDDKS	K	A	A	A	L	A	Q	IEK	S	F	G	K	G	A	I	M	K	M	D	G	S	Q	Q	E	E	N	.L	E	V	I	ST	GS	SL	GL	D	L	AL	GV	GG	L	P	RGR	60																																																																																																																																																																																																																																																																																							
NTDB	id	1427	RS	RS02760	WP	011000511	.MEDG.....K..KAASMA	EK	Q	K	A	A	A	L	A	Q	IEK	Q	FGKG	SI	MKL	G	D	A	.EVEP	VQ	V	ST	GS	SL	GL	D	V	AL	GV	GG	L	P	RGR	68																																																																																																																																																																																																																																																																																																	
NTDB	id	1165	A1552VC	RS01565	WP	000344154.1	MDENKQ	K	A	A	A	L	G	Q	IEK	Q	FGKG	SI	MRL	G	D	N	.RAMD	VET	I	ST	GS	SL	D	I	AL	G	AG	GL	P	MGR	59																																																																																																																																																																																																																																																																																																				
NTDB	id	1142	GTF74	RS11550	WP	000344154.1	MDENKQ	K	A	A	A	L	G	Q	IEK	Q	FGKG	SI	MRL	G	D	N	.RAMD	VET	I	ST	GS	SL	D	I	AL	G	AG	GL	P	MGR	59																																																																																																																																																																																																																																																																																																				
NTDB	id	244221	Aba10042	RS07690	WP	000344169.1	MDENK	S	K	A	L	QA	AL	S	Q	IEK	Q	FGK	N	T	V	M	R	L	G	D	N	.TVQ	AVE	AV	ST	GS	LT	LD	I	AL	G	I	GG	L	P	KGR	59																																																																																																																																																																																																																																																																																														
NTDB	id	1074	ABD1	RS10195	WP	000344167.1	MDENK	S	K	A	L	QA	AL	S	Q	IEK	Q	FGK	N	T	V	M	R	L	G	D	N	.TVQ	AVE	AV	ST	GS	LT	LD	I	AL	G	I	GG	L	P	KGR	59																																																																																																																																																																																																																																																																																														
NTDB	id	1022	ACIAD	RS06390	WP	004925639.1	MDNKS	K	A	L	QA	AL	S	Q	IEK	Q	FGK	N	T	V	M	R	L	G	D	N	.TVQ	AVE	AV	ST	GS	LT	LD	I	AL	G	I	GG	L	P	KGR	59																																																																																																																																																																																																																																																																																															
NTDB	id	1205	PSJM300	05545	AFN	77183.1	MDENK	K	R	A	L	AA	AL	G	Q	IEK	Q	FGK	G	AV	M	R	MG	D	H	.DRQA	IPS	I	ST	GS	SL	GL	D	I	AL	G	I	GG	L	P	KGR	59																																																																																																																																																																																																																																																																																															
consensus							*****	***	**	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

```

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 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
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 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
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 244221 Aba10042 RS07690 WP 000344169.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

```



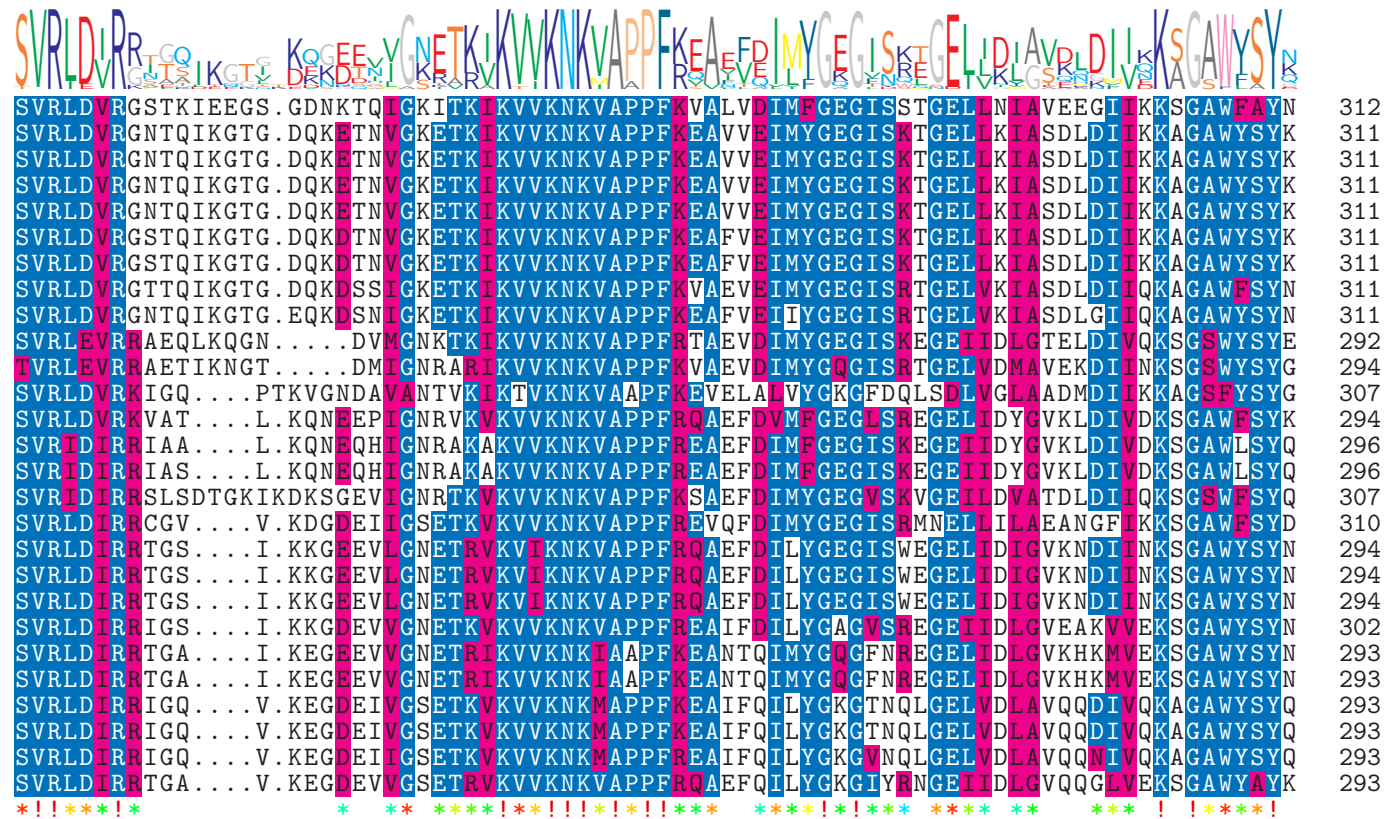
logo

NTDB	id	600	KW2	RS01765	WP	011675413.1	VV	IDSVAAL	VPKAEI	DGEI	GDSS	VGLQAR	MSQAMRKL	AGH	INKTKT	TIA	IFINQ	IREKVGM	.FGSPETT	PGGRALKFYA	233																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	269	KZH43	RS08665	WP	001085462.1	VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	GAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	228	SPD	RS09265	WP	001085462.1	VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	GAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	194	SPR	RS08825	WP	001085462.1	VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	GAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	159	SP	RS09750	WP	001085462.1	VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	GAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	527	SMK321	RS11065	WP	001085454.1	VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	GAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	499	SM12261	RS08315	WP	078228268.1	VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	GAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	453	Spy49	1753c	ACI62003.1		VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	SAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	408	SMU	RS09530	WP	002262392.1	VV	DSVAAL	VPRAEI	DGDI	GDSS	VGLQAR	MSQAMRKL	SAS	INKTKT	TIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	232																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	115	BSU	16940	NP	389576.2	VV	DSVAAL	VPKAEI	DGDM	GDSS	VGLQAR	MSQALRKL	SGA	INKS	KTIA	IFINQ	IREKVGM	.FGNPETT	PGGRALKFYA	217																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	625	LCA	RS02525	WP	011374196.1	L	V	DSVAAL	VPRAEI	EGEM	GD	AHVGLQAR	MSQALRKL	SCT	INKTKT	TIA	IFINQ	IREKVGM	.FGNPEVT	PGGRALKFYA	219																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	1313	DR	RS12030	WP	010888966.1	VV	DSVAAL	TPRAEI	EGDM	GD	SLPGLQAR	MSQALRKL	TAI	LSKT	GTAA	IFINQ	IREKVGM	.YGNPETTT	TGGRALKFYA	231																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	1245	Cj1673c	YP	002345041.1		I	V	DSVAAL	TPKAEI	EGDM	GD	QHVGLQAR	MSQALRKL	TG	IVHKMNT	TV	IFINQ	IRMKIG	AMGYGT	PETT	TG	GN	ALKFYA	219																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1214	NCTC11637	00359	SQJ03206.1		VV	DSVAAL	TPKAEI	DGDM	GD	QHVGLQAR	MSHALR	KT	ITGV	LHKMNT	TL	IFINQ	IRMKIG	MMGYG	SPETT	TG	GN	ALKFYA	221																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1211	C694	RS00795	WP	000963128.1	VV	DSVAAL	TPKAEI	DGDM	GD	QHVGLQAR	MSHALR	KT	ITGV	LHKMNT	TL	IFINQ	IRMKIG	MMGYG	SPETT	TG	GN	ALKFYA	221																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1334	RAOC	RS04870	WP	004918236.1	VV	DSVAAL	TPKAEI	DGDM	GD	SKMGLHAR	MSQALRKL	TSS	ISKTKCTV	IFINQ	LRDK	IGVM	.FGSPETT	TG	GN	ALKFYA	227																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	I	I	V	DSVAAL	TPKAEI	EGDM	GD	SHMGLQAR	MSQALRKL	TAN	IKNTNCLV	V	FINQ	IRMKIG	VM	.FGNPETT	TG	GN	ALKFYA	235																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	VV	DSVAAL	VPKAEI	EGDM	GD	SHVGLQAR	MSQALRKL	TGH	IKKTNT	TLV	V	FINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	219																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1124	NGFG	RS03960	WP	003688695.1	VV	DSVAAL	VPKAEI	EGDM	GD	SHVGLQAR	MSQALRKL	TGH	IKKTNT	TLV	V	FINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	219																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1123	OK783	RS03845	WP	003688695.1	VV	DSVAAL	VPKAEI	EGDM	GD	SHVGLQAR	MSQALRKL	TGH	IKKTNT	TLV	V	FINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	219																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1427	RS	RS02760	WP	011000510.1	I	V	DSVAAL	VPKAEI	EGEM	GD	ALPGLQAR	MSQALRKL	TGT	IKRTNCLV	IFINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	227																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB	id	1165	A1552VC	RS01565	WP	000344154.1	I	V	DSVAAL	TPKAEI	EGEM	GD	SHMGLQAR	MSQAMRKL	TGN	LKQSN	CMC	IFINQ	IRMKIG	VM	.FGNPETT	TG	GN	ALKFYA	218																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1142	GTF74	RS11550	WP	000344154.1	I	V	DSVAAL	TPKAEI	EGEM	GD	SHMGLQAR	MSQAMRKL	TGN	LKQSN	CMC	IFINQ	IRMKIG	VM	.FGNPETT	TG	GN	ALKFYA	218																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	244221	Aba10042	RS07690	WP	000344169.1	I	V	DSVAAL	TPKAEI	EGEM	GD	SHMGLQAR	MSQALRKL	ITGN	AKRS	N	CMV	IFINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	218																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	1074	ABD1	RS10195	WP	000344167.1	I	V	DSVAAL	TPKAEI	EGEM	GD	SHMGLQAR	MSQALRKL	ITGN	AKRS	N	CMV	IFINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	218																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	1022	ACIAD	RS06390	WP	004925639.1	I	V	DSVAAL	TPKAEI	EGEM	GD	SHMGLQAR	MSQALRKL	ITGN	AKRS	N	CMV	IFINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	218																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB	id	1205	PSJM300	05545	AFN77183.1		I	V	DSVAAL	VPKAEI	EGEM	GD	AHVGLQAR	MSQALRKL	ITGN	LKN	ANCLV	IFINQ	IRMKIG	VM	.FGSPETT	TG	GN	ALKFYA	218																																																																																																																																																																																																																																																																																																																																																																																																																			
consensus							***																																																																																																																																																																																																																																																																																																																																																																																																																																					

```

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 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
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 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
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 244221 Aba10042 RS07690 WP 000344169.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

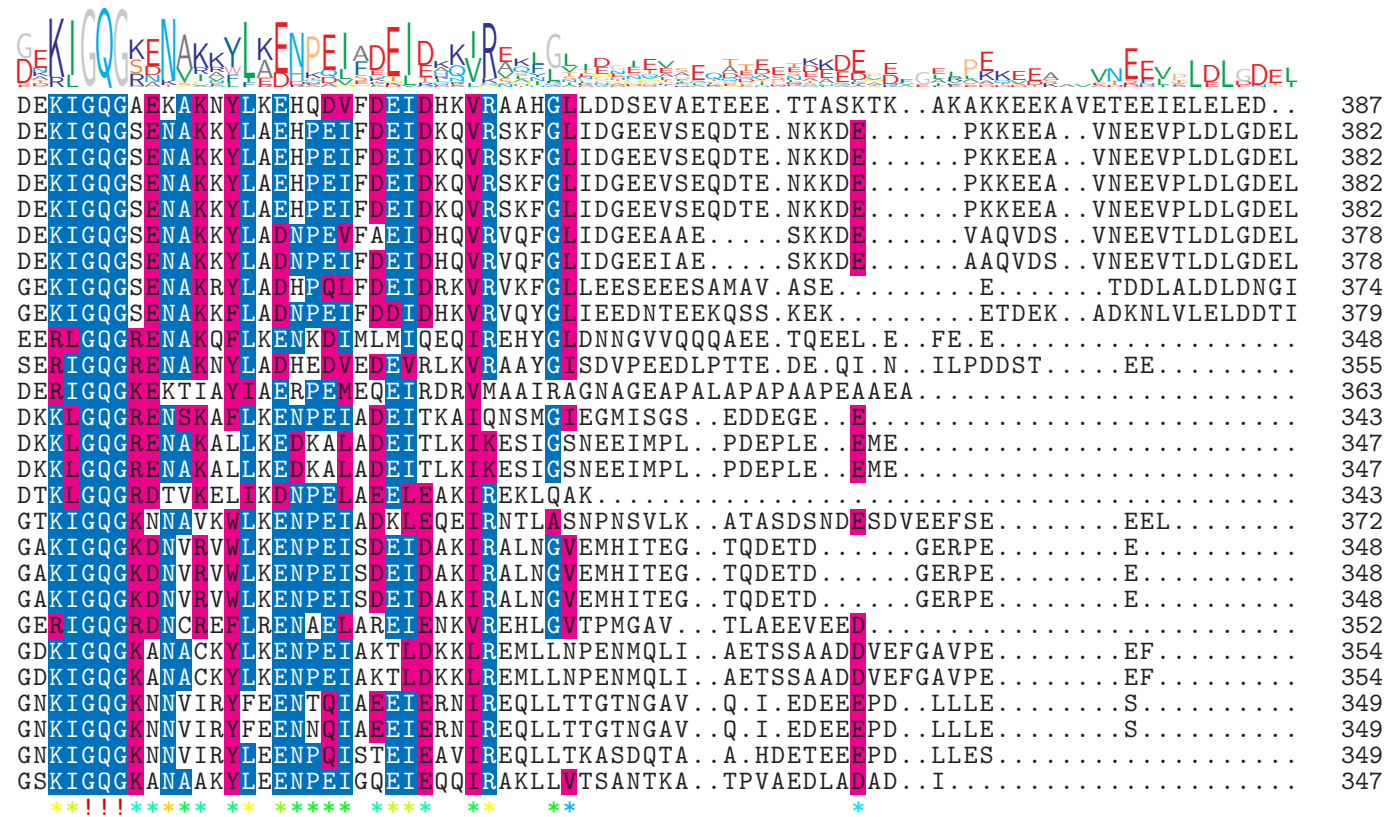
```



```

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 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 453 Spy49 1753c ACI622003.1
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 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
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 244221 Aba10042 RS07690 WP 000344169.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

```



logo

		E	I	E	L	E	E	
NTDB id	600	KW2	RS01765	WP	011675413.1	.....	387	
NTDB id	269	KZH43	RS08665	WP	001085462.1	EIEIEE	388	
NTDB id	228	SPD	RS09265	WP	001085462.1	EIEIEE	388	
NTDB id	194	SPR	RS08825	WP	001085462.1	EIEIEE	388	
NTDB id	159	SP	RS09750	WP	001085462.1	EIEIEE	388	
NTDB id	527	SMSK321	RS11065	WP	001085454.1	EIEIEE	384	
NTDB id	499	SM12261	RS08315	WP	078228268.1	EIEIEE	384	
NTDB id	453	Spy49	1753c	ACI62003.1	EIED..	378		
NTDB id	408	SMU	RS09530	WP	002262392.1	ELED..	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	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	244221	Aba10042	RS07690	WP	000344169.1	.....	349	
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