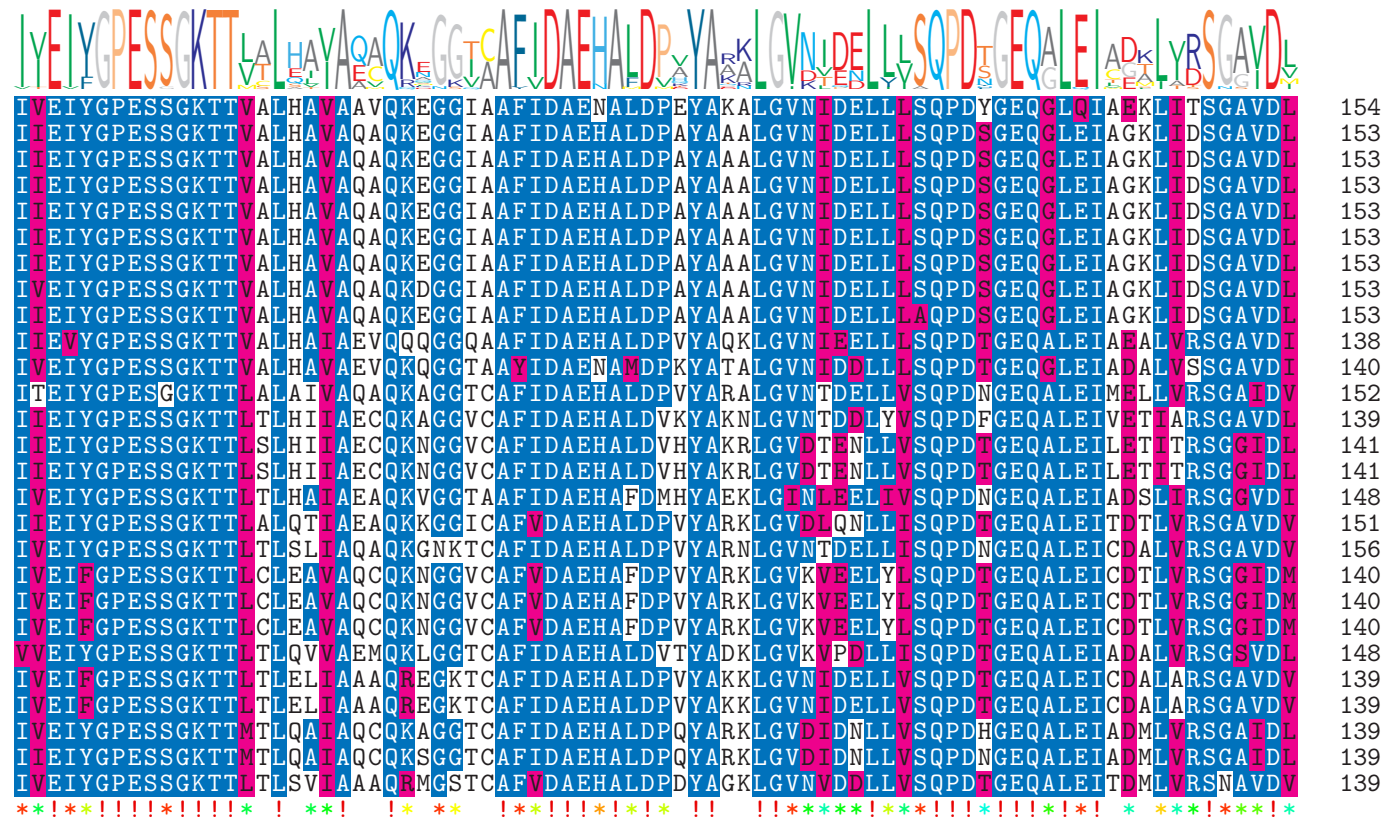


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NTDB	id	269	KZH43	RS08665	WP	001085462.1	.MAKKPK....KLEEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQV	MSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	228	SPD	RS09265	WP	001085462.1	.MAKKPK....KLEEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQV	MSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
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NTDB	id	159	SP	RS09750	WP	001085462.1	.MAKKPK....KLEEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQV	MSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	.MAKKPK....KLDEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQV	MSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	499	SM12261	RS08315	WP	078228268.1	.MAKKPK....KLDEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQV	MSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	408	SMU	RS09530	WP	002262392.1	.MAKKRIK....KTEEITKKFGD	ERR	KAL	DDAL	KN	IEKD	FGKGA	VMRLGER	.AEQKVQV	MSSGSL	ALDI	I	ALG	AGGY	PKGR	73					
NTDB	id	453	Spy49	1753c	ACI	62003.1	.MAKKLK....KNEEITKKFGD	ERR	KAL	DDAL	KN	IEKD	FGKGA	VMRLGER	.AEQKVQV	MSSGSL	ALDI	I	ALG	AGGY	PKGR	73					
NTDB	id	115	BSU	16940	NP	389576.2	MSDRQAAL	DALK	KQ	IEK	QFGKGS	SIM	KLGEK	.TDTR	IST	VPSGSL	ALD	T	ALGI	GGY	PRGR	58					
NTDB	id	625	LCA	RS02525	WP	011374196.1	MAKD	ERQAAL	DAAL	KK	IEKN	FVGKGS	SIMRMGEK	.VDTQ	VST	VSSGSL	ALDE	ALGV	GGY	PRGR	60						
NTDB	id	1313	DR	RS12030	WP	010888966.1	MSKDATKEISAP	TDAK	ERS	KA	TET	AMS	QIEKA	FGKGS	SIM	KLGA	E.SKLD	VQV	VST	GSLS	SLDL	ALGV	GGY	PRGR	72		
NTDB	id	1245	Cj1673c	YP	002345041.1	MDDN	KRKS	SL	DAAL	KS	LD	KT	FGKGT	ILRL	GD	K.EVEQ	IDS	IGT	GSV	GLDL	ALGI	GGY	PKGR	59			
NTDB	id	1214	NCTC11637	00359	SQJ	03206.1	M..AID	DKQA	ISLA	TK	ID	KV	FGKGA	LVRL	GD	K.QVEK	IDA	IST	GS	GLDL	ALGI	GGY	PKGR	61			
NTDB	id	1211	C694	RS00795	WP	000963128.1	M..AID	DKQA	ISLA	TK	ID	KV	FGKGA	LVRL	GD	K.QVEK	IDS	IST	GS	GLDL	ALGI	GGY	PKGR	61			
NTDB	id	1334	RAOC	RS04870	WP	004918236.1	MAKTETT..SPND	DKKK	ALA	AVLE	KLD	KTY	VGKT	VM	KL	DG	TV	DHN	IEV	IPS	GS	GLDL	ALGV	GGY	PKGR	68	
NTDB	id	388060	F2982	RS18925	WP	112716521.1	MSQNTLRLVE..DKSV	DKS	KA	EAL	QS	IER	SFGKGS	SIM	KLGA	KD	S	VIE	VET	VST	GS	SLDL	I	ALGI	GGY	PKGR	71
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	.MAENKKSSKNNTVV	KQ..VEPE	QKK	QAL	EAA	LA	QIEK	QFGKGS	SIM	KL	GQT	.EQLD	IES	VST	GS	GLDL	ALGI	GGY	PMGR	76	
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	MSDD	DKSK	ALAA	AL	LA	QIEKS	SFGKGA	IM	KMD	GS	Q	Q	EEN	LEV	IST	GS	GLDL	ALGV	GGY	PRGR	60
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NTDB	id	1123	OK783	RS03845	WP	003688695.1	MSDD	DKSK	ALAA	AL	LA	QIEKS	SFGKGA	IM	KMD	GS	Q	Q	EEN	LEV	IST	GS	GLDL	ALGV	GGY	PRGR	60

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NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1214 NCTC11637 00359 SQJ03206.1
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NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 388060 F2982 RS18925 WP 112716521.1
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NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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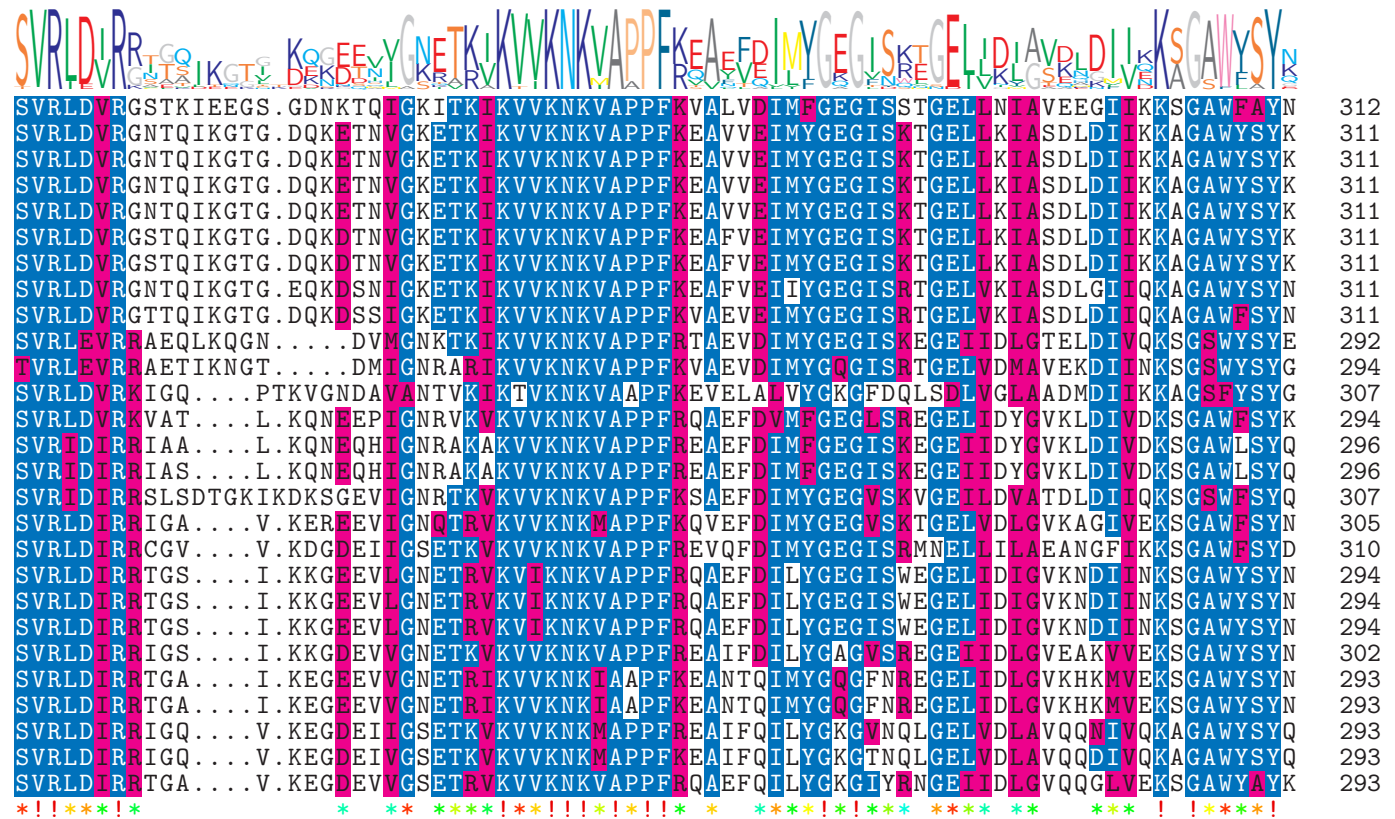
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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logo

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NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKD	...	E...PKKEEA..VNEEVPLDLGDE	381
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKD	...	E...PKKEEA..VNEEVPLDLGDE	381
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAE	...	SKKD...E...VAQVDS..VNEEVTLDLGDE	377
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAE	...	SKKD...E...AAQVDS..VNEEVTLDLGDE	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSKEK	...	ETDEK..ADKNLVLELDDT	378
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAMAVASE	...	E...TDDLALDLDNG	373
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NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTEDE	.Q...	I.NILPDDST...EE...	355
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGG	RENAKALLKEDKALADEITLK	IKESIGSNE	...	EIMPLPDEP..LEEME		347
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGG	RENAKALLKEDKALADEITLK	IKESIGSNE	...	EIMPLPDEP..LEEME		347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGG	RDITVKELIKDNPELAELEAK	IREKLQAK	...			343
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNAVKWLKENPEIADKLEQE	IRNTLASNP	...	NSVLKATASDSNDES	DVEEFS...EEEL	372
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NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQG	RDNCREFLRENAELAREIENK	VREHLGVTP	...	MGAVTLA.EEVEED		352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYILKENPEIAKTLDK	KLREMLLNPE	...	NMQLIAETSSAADD	DVEFGAVP...EEF	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYILKENPEIAKTLDK	KLREMLLNPE	...	NMQLIAETSSAADD	DVEFGAVP...EEF	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYFEENNPQISTE	IEAVIREQLLTKA	...	SDQTAA.HDETEEPDLL	..E...S	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRYFEENNPQIAEEIERN	IREQLLTTG	...	TNGAVQ.I.EDEEEPDLL	..L...ES	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANAACKYLEENPEIGQIE	EQQIRAKLLVTS	...	ANTKATPVAEDLADADI		347
consensus	**!!!***** ** ***** ***** ** *						*

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NTDB id 600 KW2 RS01765 WP 011675413.1		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LEIEIEE	388
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NTDB id 408 SMU RS09530 WP 002262392.1	IELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IEIED..	378
NTDB id 115 BSU 16940 NP 389576.2		348
NTDB id 625 LCA RS02525 WP 011374196.1		355
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NTDB id 1214 NCTC11637 00359 SQJ03206.1		347
NTDB id 1211 C694 RS00795 WP 000963128.1		347
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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