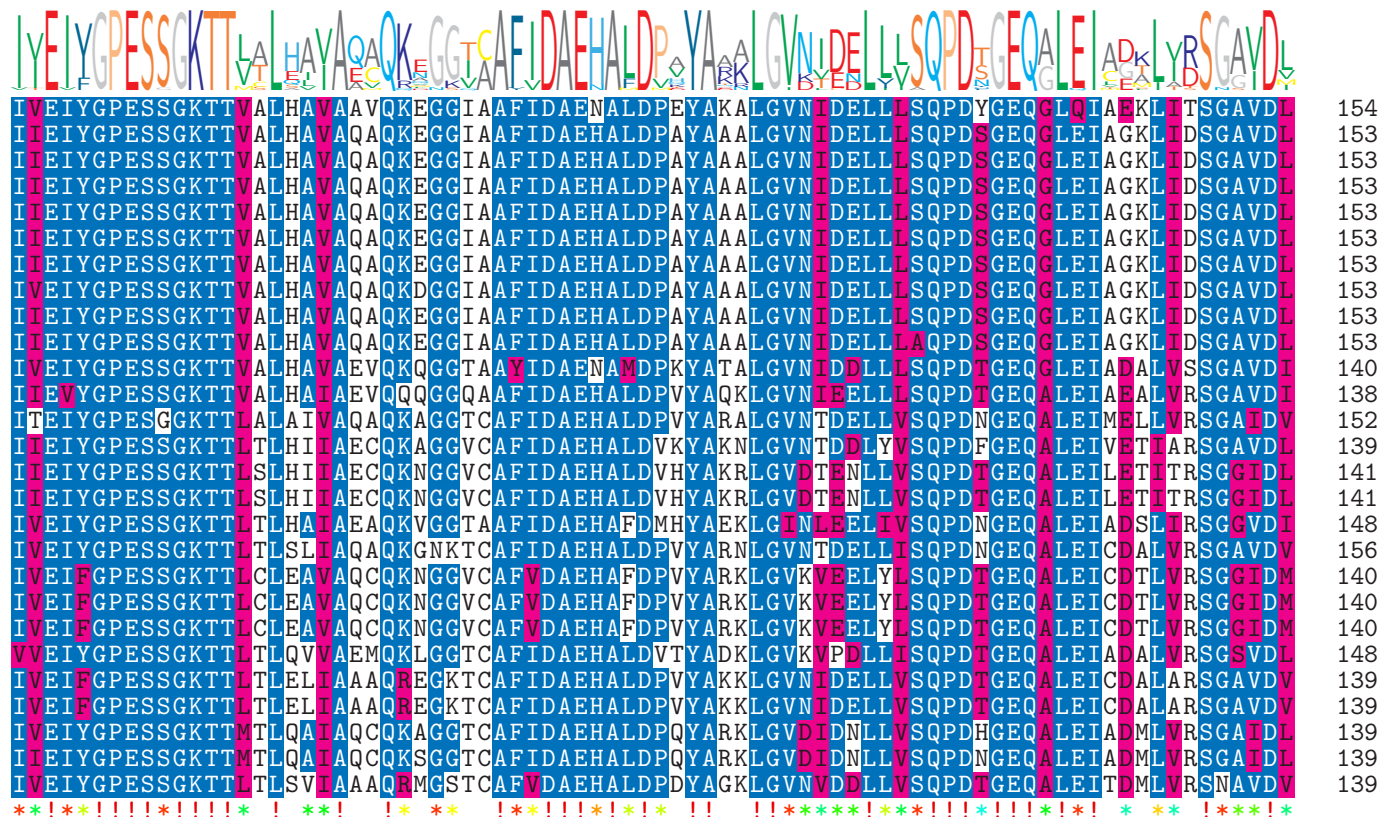


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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGEA.ANQKVS	74
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NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGDERRKALDDALKNIEKD FGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGR	73
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NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKGSIMKLGAE.TDTRISTVPSGSLALDTALGIGGYPGR	58
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NTDB id 1245 Cj1673c YP 002345041.1	MDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGR	59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATISLAIKQIDKVFVGKALVRLGDK.QVEKIDAIISTGSLGLDLALGIGGVPKGR	61
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATISLAIKQIDKVFVGKALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSNDDKKKALAAVLEKLDKTYGKGTVMKLGDTVDHNIIEVIPSGLGLDLALGVGGYPKGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGR	60
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NTDB id 600 KW2 RS01765 WP 011675413.1
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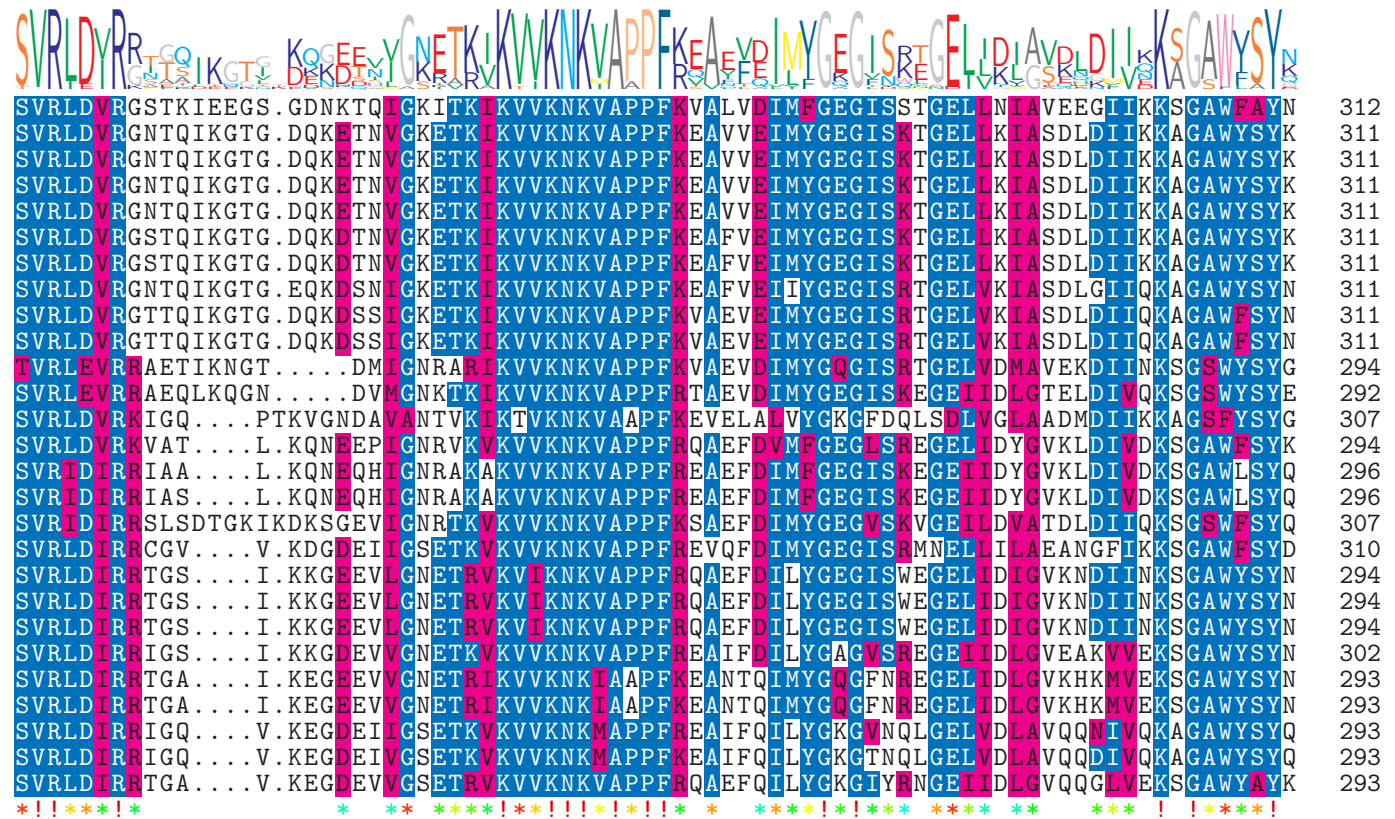
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consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQ	DV	FDEIDHKVRAAHG	LDDSEVAETEEETTAS	TKAKAKKEEKAVETE	E	I	E	L	E	D		387			
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEI	F	DEIDKQVRSKF	G	LIDGEEVSEQDTENKK	DEPK	...	KEEA	..	VNEE	EVPLDLG	DELEIE	385			
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEI	F	DEIDKQVRSKF	G	LIDGEEVSEQDTENKK	DEPK	...	KEEA	..	VNEE	EVPLDLG	DELEIE	385			
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NTDB id 220937 B5D85 RS09470 WP 076639528.1	GEKIGQGS	ENAKRYLADHPEI	F	DEIDRKVRVKF	G	LLEEEEEESAMAVA		AE	..	GTDDLVL	DL	LDNGIEIE		377			
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHP	Q	LFDEIDRKVRVKF	G	LLEEEEEESAMAVA		SE	..	ETDDLAL	DL	LDNGIEIE		377			
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGQGS	ENAKALLKEDK	A	LADEITLKIKES	I	GSNEEI	...	MPLPDE	..	PL		EEME		347			
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NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGQGR	DTVKELIKDNPE	LAELEAK	I	REKLQAK									343			
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGS	KNNVAVKWLKEN	PEI	ADKLEQEI	RNTLASNPNS	...	VLKATASDSN		DES	D	VEEFSEEL	...		372			
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NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGS	KDNVRVWLKENPEI	SDEIDAKIRAL	NGVEMHI	...	TEGTQDETDG		ER		PEE				348			
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGS	KDNVRVWLKENPEI	SDEIDAKIRAL	NGVEMHI	...	TEGTQDETDG		ER		PEE				348			
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGR	DNCREFLRENA	ELAREIENK	VREHLGV	TPMG	...	AVTLA	..	EEVE		ED			352			
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGS	KANACKYLLKENPEI	AKTLDKKL	REMLLN	PENM	...	QLIAETSSAA		DDV	E	FGAVPEEF	...		354			
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGS	KNNVIRYLEENP	QISTEIE	AVIREQL	LT	TKASD	...	QTAA	..	HDETE		EEDLL	..	ES	349		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGS	KNNVIRYFEEN	NQIAE	EIERNIREQL	LT	TGTN	...	GAVQ	..	I	..	EDE		EEDLL	..	LES	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGS	KANAACKYLL	ENPEI	GQIE	EQ	IRAKLL	V	TSAN	...	TKATPVAEDL		ADADI			347		
consensus	***!!!	*****	***	*	***	*****	***	***					*				

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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
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NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	...	348
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consensus		

-  non conserved
-  similar
-  ≥ 50% conserved