

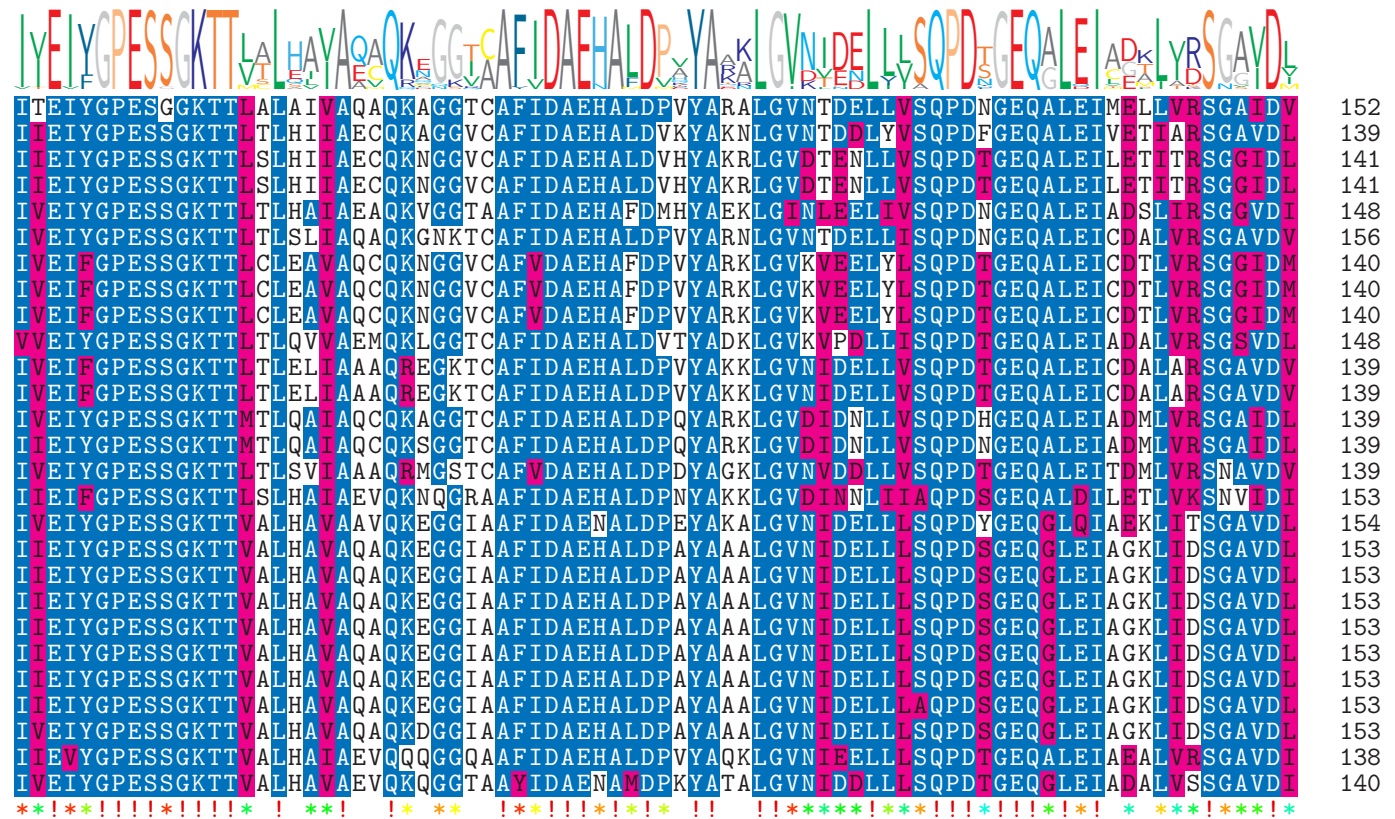
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NTDB id 1245 Cj1673c YP 002345041.1	MDDN	KRKSLSDAALKS	LDKTFGKGTILRLGDK	.EVEQIDS	IGTGSVGLDL	ALGIGGV	PKGR	59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDE	DKQKAISLAIKQ	IDKVFHGKALVRLGDK	.QVEKIDA	ISTGSLGLDL	ALGIGGV	PKGR	61
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NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPND	DKKALAAVLEK	LDKTYGKGTVMKLG	DGTVDHNI	IEVIPSGSLGLDL	ALGVGGY	PKGR	68
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDEN	KQKALAAALGQ	IEKQFGKGSIMRLGDN	.RAMDVET	ISTGSLSLD	I	ALGAGGLPMGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDN	KSKALQAALSQ	IEKQFGKNTVMRLGDN	.TVQAVEAV	STGSLTLD	I	ALGIGGLPKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDEN	KSKALQAALSQ	IEKQFGKNTVMRLGDN	.TVQAVEAV	STGSLTLD	I	ALGIGGLPKGR	59
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKKTN....FDDITKKYGA	ERDKALADALAL	IEKD FGKGSIMRLGEA	.ANQKVS	VSSGSLALD	I	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKPKK....LEEISKKFGA	EREKALNDALKL	IEKD FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKPKK....LEEISKKFGA	EREKALNDALKL	IEKD FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGYPKGR	73
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKPKK....LDEISKKFGA	EREKALNDALKL	IEKD FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGYPKGR	73
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NTDB id 453 Spy49 1753c ACI62003.1	.MAKKLKK....NEEITKKFGD	ERRKALDDALKN	IEKD FGKGAVMRLGER	.AEQKVQVM	SSGSLALD	I	ALGAGGYPKGR	73
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NTDB id 115 BSU 16940 NP 389576.2	MS	DRQAALDMALKQ	IEKQFGKGSIMKLGEK	.TDTRI	STVPSGSLALD	I	ALGIGGYPRGR	58
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQAALDAALKK	IEKNFGKGSIMRMGEK	.VDTQVST	VSSGSLALDE	ALGVGGY	PRGR	60
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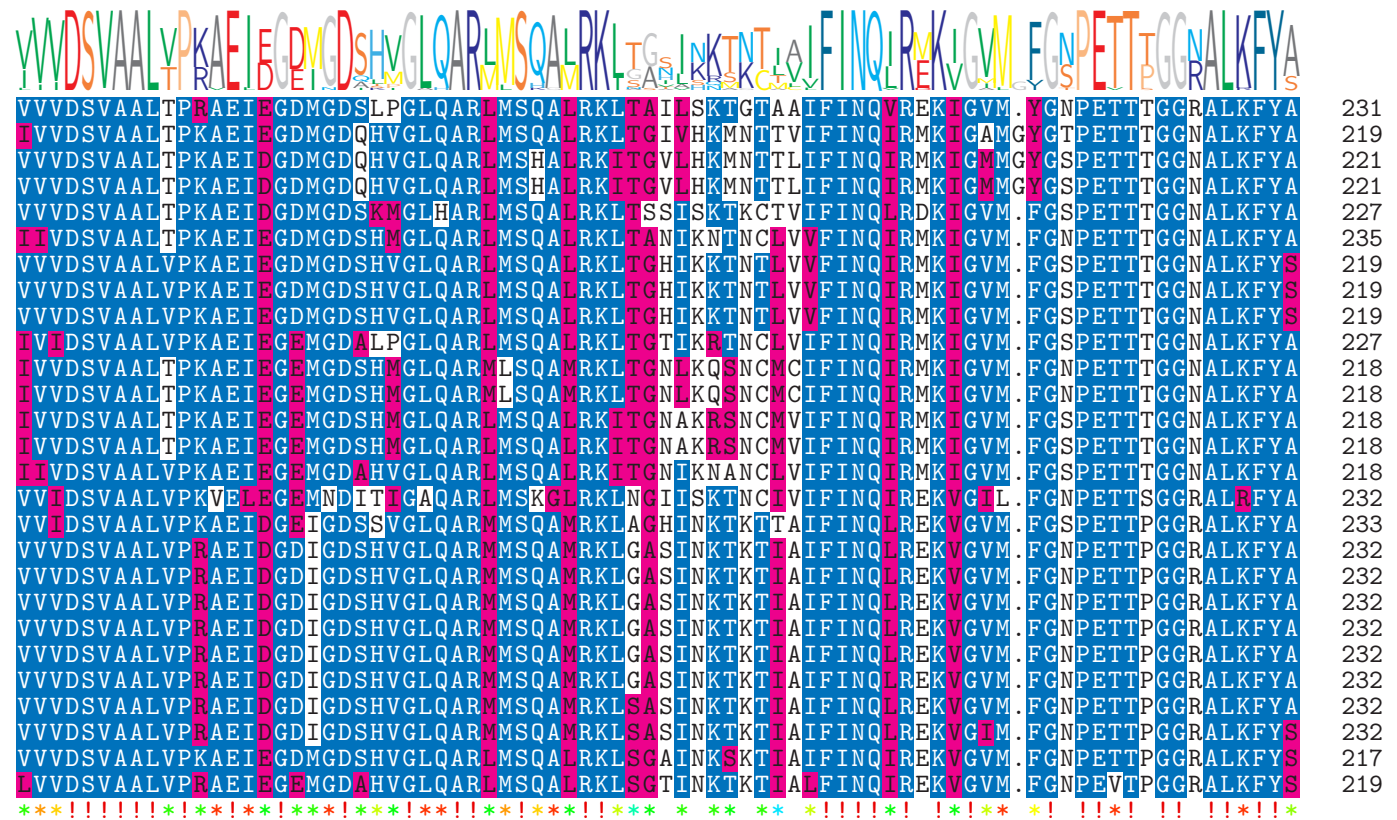
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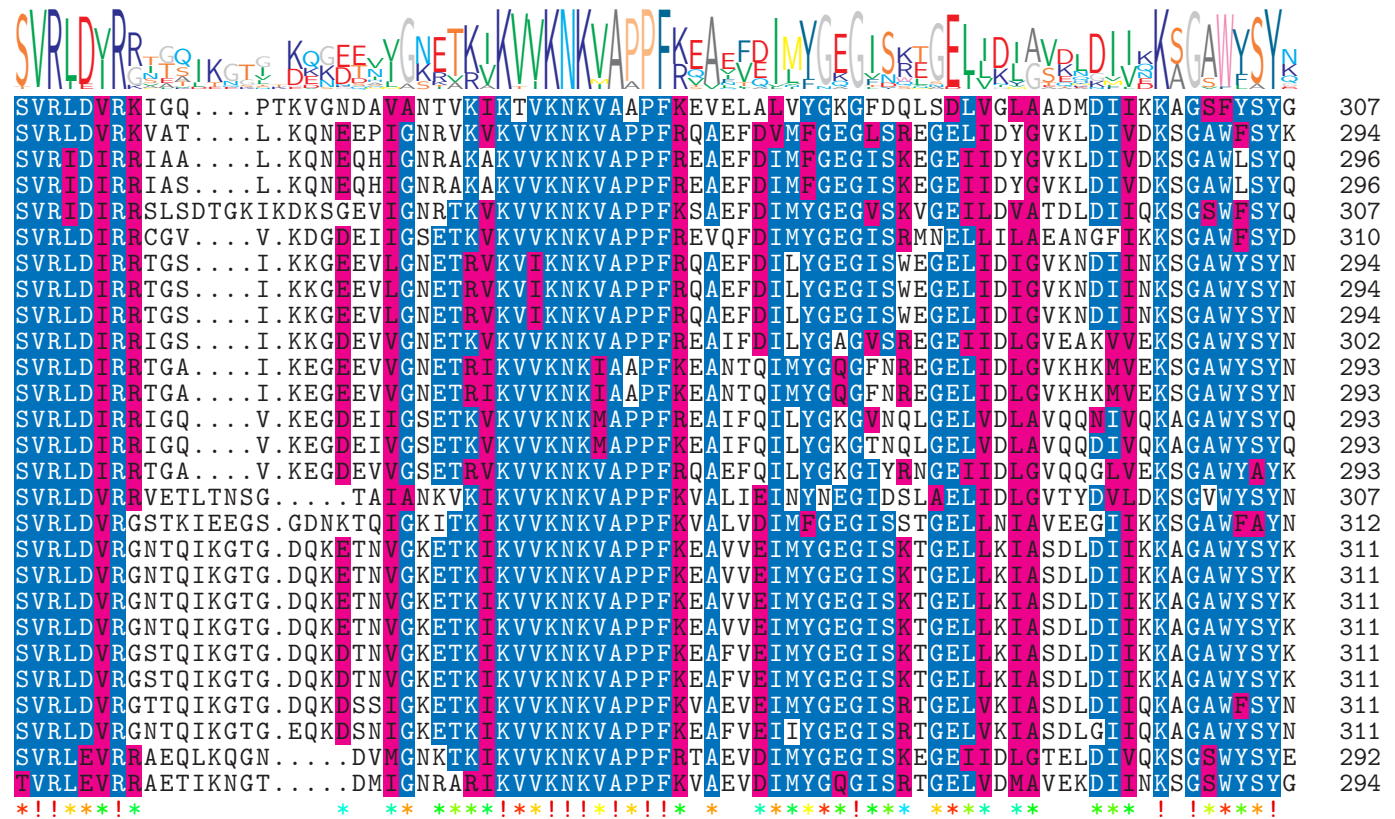
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consensus

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NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGGRENKALLKEDKALADEITLKIKESIGSNEEI.....MPLPDE..PLE..EME.....	347
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NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGGRDITVKELIKDNPELAELEAKIREKLQAK.....	343
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NTDB id 1427 RS RS02760 WP 011000510.1	GERIGGGRDNCREFLRENAELAREIENKVRHLGVTPMG....AVTLA.EEVEE..D.....	352
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGGGKNNVIRYLEENPQISTEIEAVIREQLLTKASD....QTAA.HDETEE..EPDLL..ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGGGKNNVIRYFEENNQIAEEIERNIREQLLTGTN....GAVQ.I.EDEE..EPDLL..LES.....	349
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NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGGGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGGGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGGGSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
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NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGGGSENAKKYLADNPEIFDEIDHQVVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIE	381
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGGGSENAKRYLADHPQLFDEIDRKVVRVKFGLLEESEEEESAMAVASE.....E.....TDDLALDLNGIEIE	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGGGSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELE	382
NTDB id 115 BSU 16940 NP 389576.2	EEERLGGGRENKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQAEETQEEL.EFE.E.....	348
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consensus	***!!!***** ** ***** ***** ** *	

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NTDB id	1313	DR RS12030 WP 010888966.1	...	363
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NTDB id	115	BSU 16940 NP 389576.2	...	348
NTDB id	625	LCA RS02525 WP 011374196.1	...	355
consensus				

-  non conserved
-  similar
-  ≥ 50% conserved