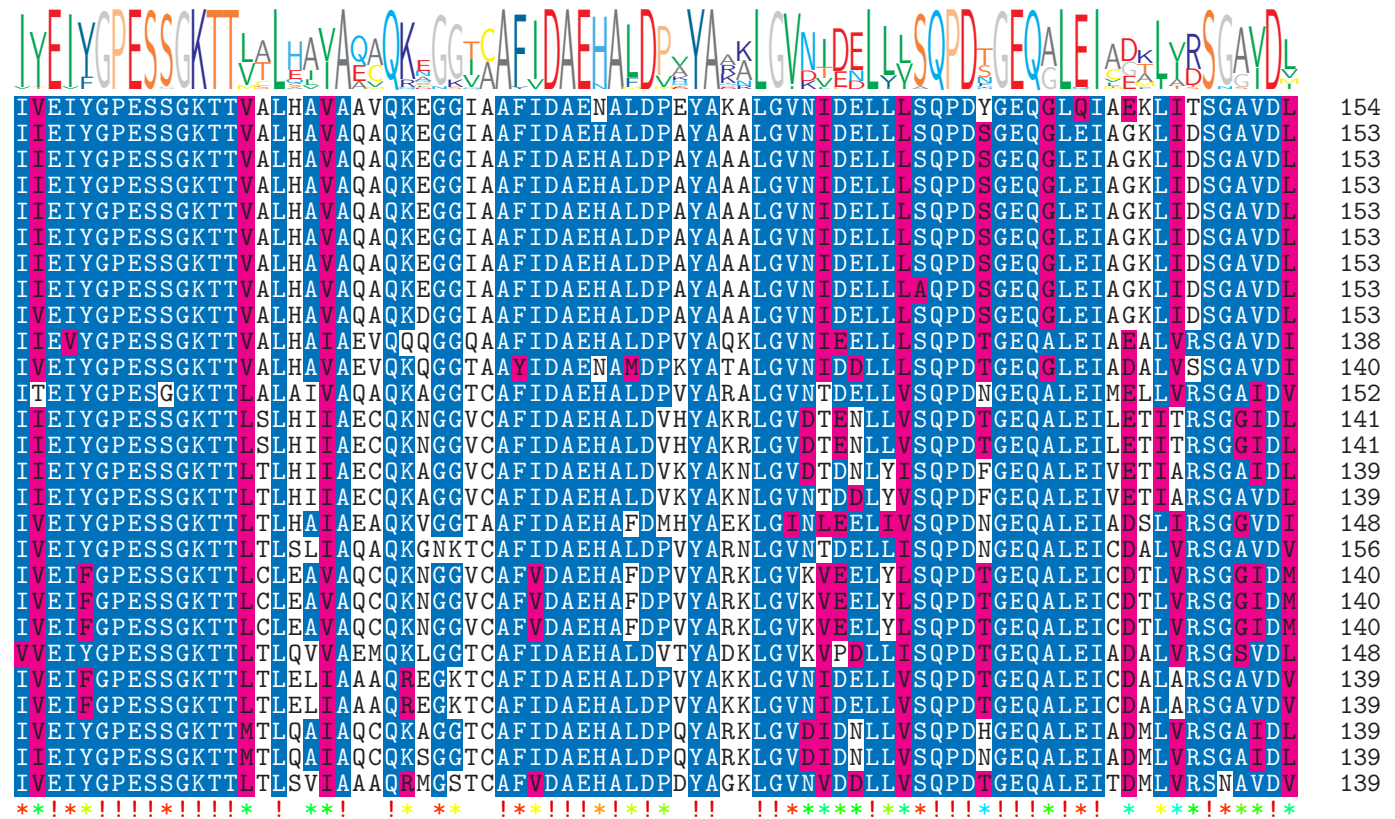


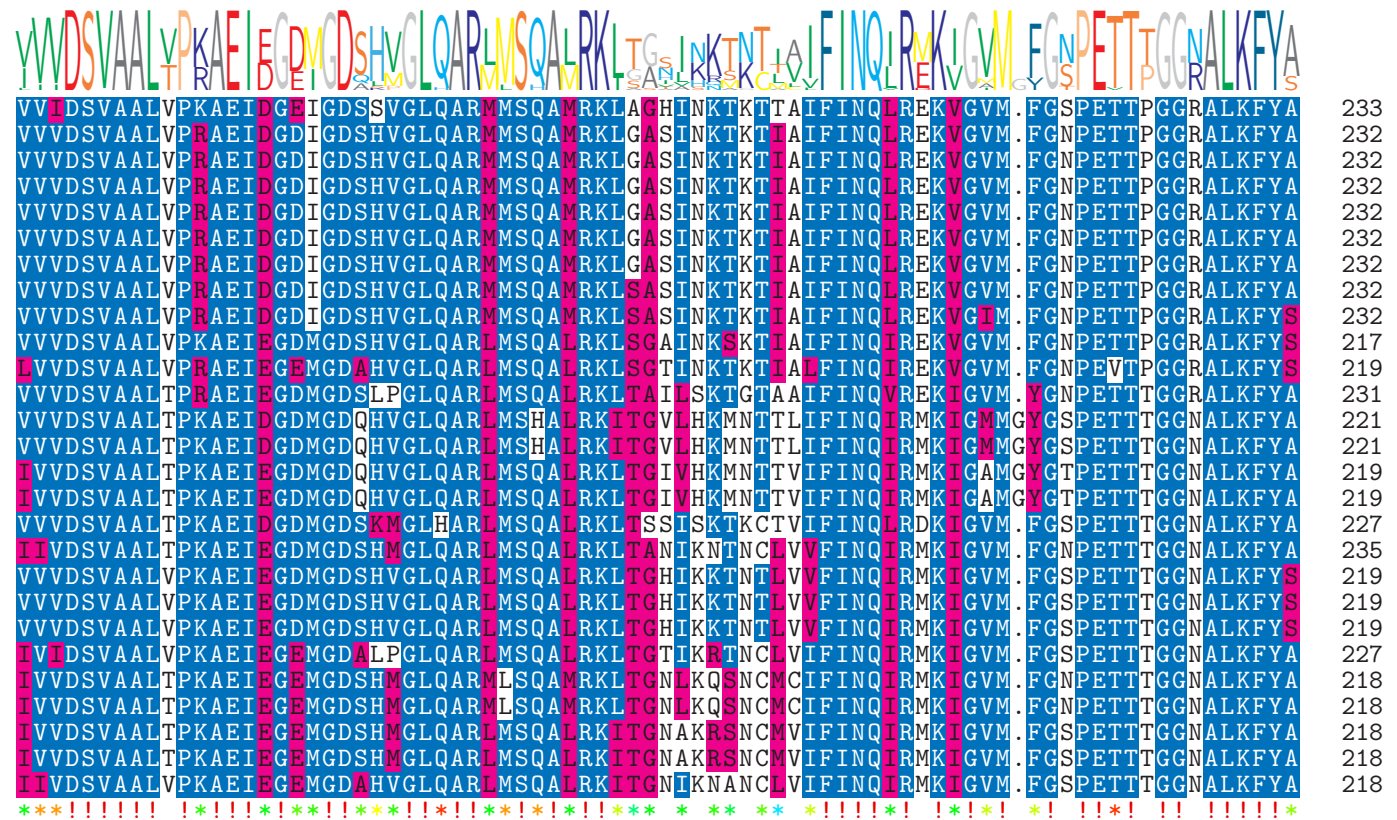
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NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGSGGY	PKGR	73			
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGSGGY	PKGR	73			
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGSGGY	PKGR	73			
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGSGGY	PKGR	73			
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGSGGY	PKGR	73			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGSGGY	PKGR	73			
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFG	DERRKALDDALKN	IEKD	FGKGAVMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGAGGY	PKGR	73			
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFG	DERKKALDDALKN	IEKD	FGKGAVMRLGER	.AEQKVQVM	S	SSGSLALD	I	ALGAGGY	PKGR	73			
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQ	IEKQFGKGSIMKLGEK	.TDTRIST	VP	SGSLALD	T	ALGIGGY	P	RGR	58				
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKK	IEKNFGKGSIMRMGEK	.VDTQVST	V	SSGSLAL	DE	ALGVGGY	P	RGR	60				
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKAI	SLAIKQ	IDKV	FGKGALVRLGDK	.QVEKIDA	I	STGSLGLD	I	ALGIGGV	PKGR	61			
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NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPN	DDKKKALA	AVLEKLDKT	Y	GKGTVMKLG	D	GTVDHNI	EV	I	PSGSLGLD	I	ALGVGGY	PKGR	68
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NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQ	IEKS	FGKGAIMKMDGSQ	Q	Q	EENLE	V	I	STGSLGLD	I	ALGVGGL	P	RGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKQKALAAALAQ	IEKQFGKGSIMKMG	DA	.EVEPVQV	V	TGSLGLD	I	ALGVGGL	P	RGR	68		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN	.RAMDVET	I	STGSLSLD	I	ALGAGGL	PMGR	59				
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN	.RAMDVET	I	STGSLSLD	I	ALGAGGL	PMGR	59				
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQAALSQ	IEKQFGKNTVMRLG	DN	.TVQAVEA	V	STGSLTLD	I	ALGIGGL	PKGR	59				
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consensus	*** **	*	***	***	***	*	***	***	***	***	***	***	***	***

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NTDB id 159 SP RS09750 WP 001085462.1
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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 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 203487 BLD36 RS00330 WP 002779414.1
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NTDB id 1334 RA0C 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
consensus



NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
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consensus



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NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKV	APPFKE	AVVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
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NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKV	APPFKE	AFVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKV	APPFKE	AFVEIM	YGEGIS	KTGELL	KIASDL	DIKKAG	AWYSYK	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRG	TQIKGTG	.DQKDS	IGKETK	IKVVKNKV	APPFKE	AEVEIM	YGEGIS	RTGELV	KIASDL	DIKKAG	AWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVVKNKV	APPFKE	AFVEIM	YGEGIS	RTGELV	KIASDL	GIKKAG	AWYSYN	311
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRA	EAQLKQGN	DM	GNKTKI	IKVVKNKV	APPFR	TAEVDIM	YGEGIS	KEGEI	IDLGT	ELDIV	QKSGSW	292
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRA	ETIKNGT	DM	GNRARI	IKVVKNKV	APPFK	AEVDIM	YGGIS	RTGELV	DMAVEK	DIINKSG	SWSYG	294
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRI	G....V	KEGEI	IGSETK	VVVKNK	MAPPFR	EAIFQ	ILYGK	GTNQL	GELVD	LAVQQ	DIVQKA	293
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consensus	*!!**!	*	**	*****!!*!!*!!*!!*	*	*****!!*!!*!!*!!*	*	*****!!*!!*!!*!!*	*	*****!!*!!*!!*!!*	*	*****!!*!!*!!*!!*	

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NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus

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NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
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consensus

 non conserved
 similar
 ≥ 50% conserved