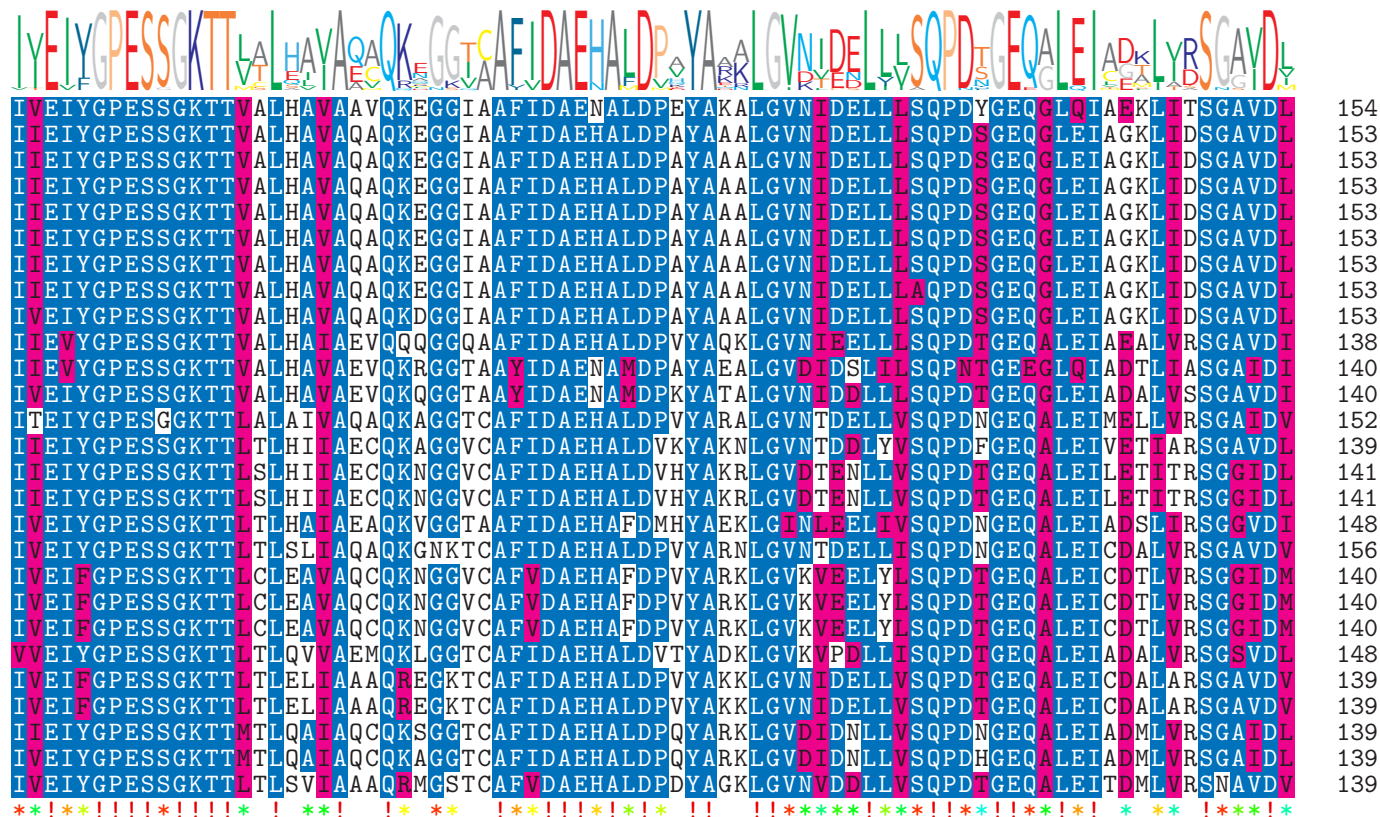


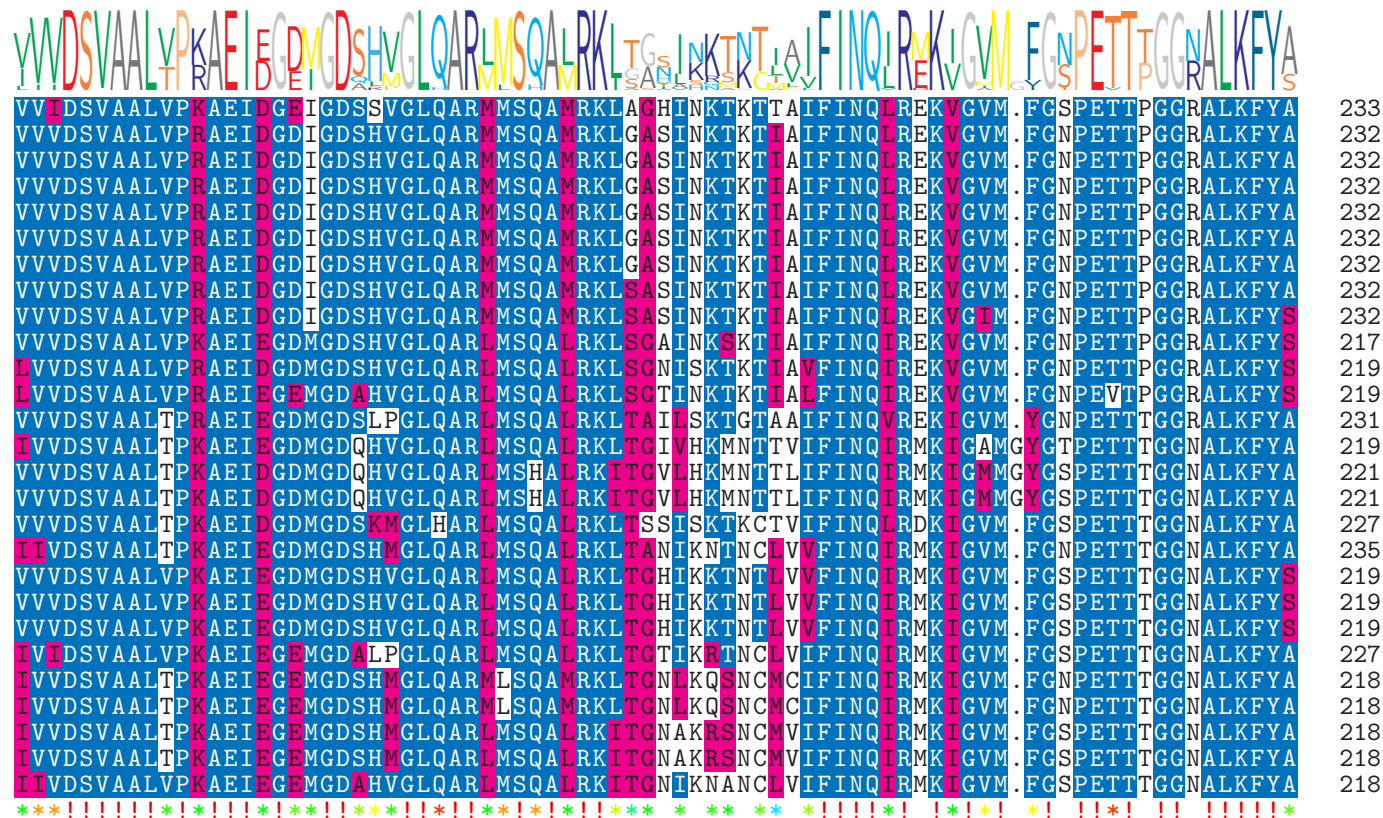
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NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFG	DERRKALDDALKN	IEKD	FGKGAVMRLGER	.AEQKVQVM	SSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFG	DERRKALDDALKN	IEKD	FGKGAVMRLGER	.AEQKVQVM	SSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQ	IEKQFGKGSIMKLGEK	.TDTRI	ISTVPSGSLALD	TALGIGGY	PRGR				58
NTDB id 367652 FEE39 RS06075 WP 004897730.1	MAKDDKKKALDIALKK	IEKD	FGKGAVMRMGEK	.VDTQIST	IPSGSLALDAALGVGGY	PRGR				60
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKK	IEKN	FGKGSIMRMGEK	.VDTQVST	VSSGSLALDEALGVGGY	PRGR				60
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTDAKERSKAT	IETAMSQIEKA	FGKGSIMKLGA	E.SKLDVQV	VSTGSLSLDLALGVGGI	PRGR				72
NTDB id 1245 Cj1673c YP 002345041.1	MDNKRKSLDAALKS	LDKTFGKGTILRLGDK	.EVEQIDS	IGTGSVGLDLALGIGGV	PKGR					59
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATISLAIKQ	IDKVF	FGKGALVRLGDK	.QVEKIDS	ISTGSLGLDLALGIGGV	PKGR				61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATISLAIKQ	IDKVF	FGKGALVRLGDK	.QVEKIDA	ISTGSLGLDLALGIGGV	PKGR				61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPNDDKKK	KALAAVLEKLDKT	YGKGTVMKLG	DGTVDHNI	IEVIPSGSLGLDLALGVGGY	PKGR				68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEP	EQKKQALEAALAQIEKQ	FGKGSIMKLQGT	.EQLDIES	VSTGSLGLDLALGIGGL	PMGR				76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQ	IEKS	FGKGAIMKMDGSQ	QEENLEVIST	GSLGLDLALGVGGL	PRGR				60
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQ	IEKS	FGKGAIMKMDGSQ	QEENLEVIST	GSLGLDLALGVGGL	PRGR				60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQ	IEKS	FGKGAIMKMDGSQ	QEENLEVIST	GSLGLDLALGVGGL	PRGR				60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSAEKQ	KALAAALAQIEKQ	FGKGSIMKMGDA	.EVEPVQV	VSTGSLGLDVALGVGGL	PRGR				68
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQKALAAALGQ	IEKQFGKGSIMRLGDN	.RAMDVET	ISTGSLSLD	I	ALGAGGL	PMGR			59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQ	IEKQFGKGSIMRLGDN	.RAMDVET	ISTGSLSLD	I	ALGAGGL	PMGR			59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQ	IEKQFGKNTVMRLGDN	.TVQAVEA	VSTGSLTLD	I	ALGIGGL	PKGR			59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQAALSQ	IEKQFGKNTVMRLGDN	.TVQAVEA	VSTGSLTLD	I	ALGIGGL	PKGR			59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQ	IEKQFGKGAVMRMGDH	.DRQAIPS	ISTGSLGLD	I	ALGIGGL	PKGR			59
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NTDB id 600 KW2 RS01765 WP 011675413.1
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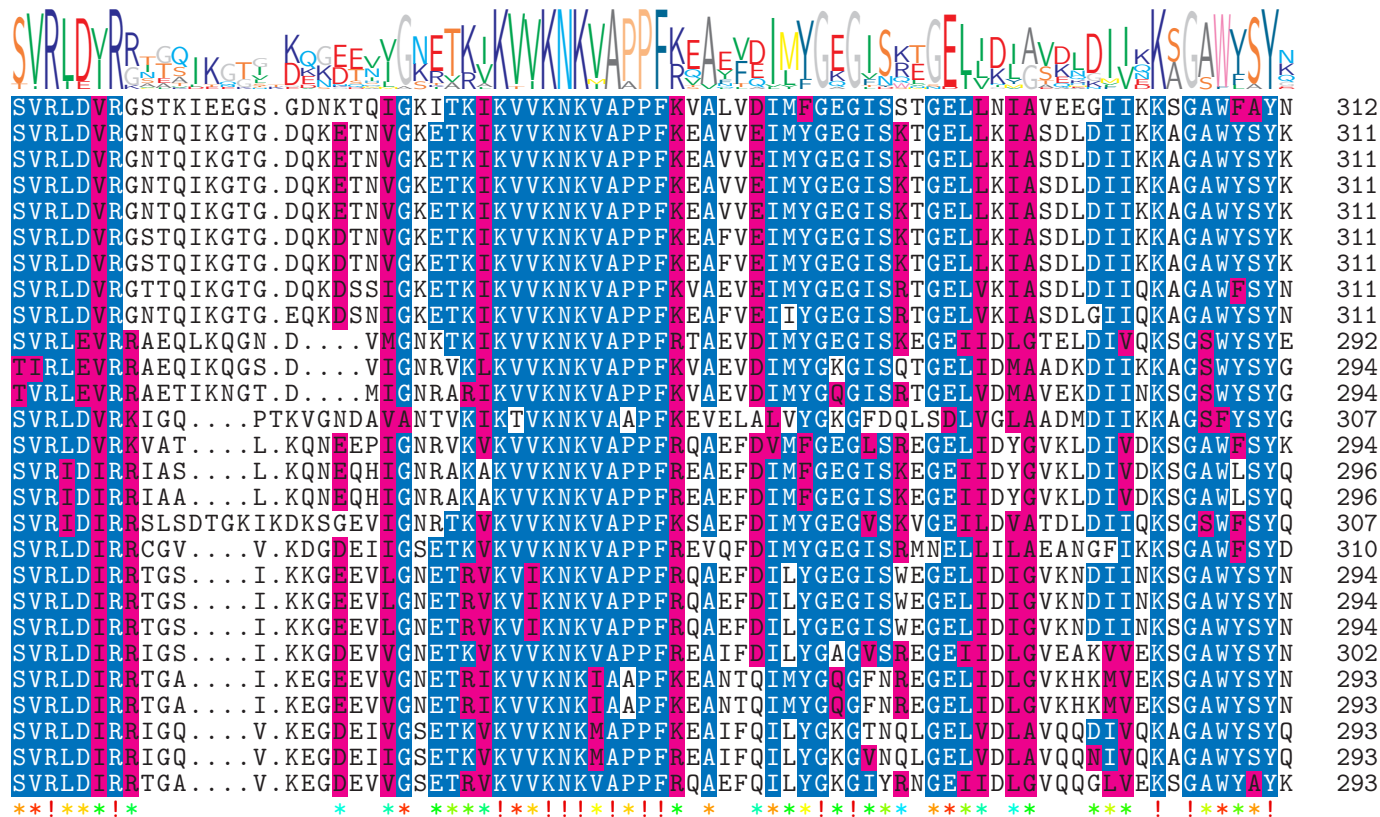
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKKEEK	AVETE	EE	IELELED		387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA	..VNEE	VPLDLGDELEIE			385	
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA	..VNEE	VPLDLGDELEIE			385	
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA	..VNEE	VPLDLGDELEIE			385	
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLAADNPEVFAE	IDHQVRVQFGL	IDGEEAAES....KKDE	VAQVDS	..VNEE	VTLDLGDELEIE			381	
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEESAMAVASE	E	TDDL	ALDL	DNGIEIE		377	
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSKEK	ETDEK	..ADKN	LVLE	LDDTIELE		382	
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NTDB id 367652 FEE39 RS06075 WP 004897730.1	DDRIGQGS	ENAKQYLEEHPDVYEE	VKEKVREAYG	IDAKAIEERENPEK	VKQD	KE	VPV	NKDASDEKK		360	
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NTDB id 1245 Cj1673c YP 002345041.1	DKKL	GGRENSKAF	LKENPEIADEIT	KAIQNSMG	IEGMI....SG	SEDDE	..G	EE		343	
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKL	GGRENAKALLKED	KALADEITLK	IKESIGSNEEI	MPL	PDEP	..L	EEME		347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKL	GGRENAKALLKED	KALADEITLK	IKESIGSNEEI	MPL	PDEP	..L	EEME		347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKL	GGGRD	TVKELIKDNPE	LAELEAK	IREKLQAK					343	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGS	KNNAVKWLKEN	PEIADKLEQEIR	NTLASNPNS	VLK	ATASDSN	DE	SDVEEFSEEL		372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQGS	KDNVRVWLKEN	PEISDEIDAKIR	ALNGVEMHI	TEGT	QDETD	GER	PEE	...	348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGS	KDNVRVWLKEN	PEISDEIDAKIR	ALNGVEMHI	TEGT	QDETD	GER	PEE	...	348	
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NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGS	RDNCREFLRENAEL	AREIENKVREHLG	VTPMG	AV	TLAEEVE	ED			352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGS	KANACKYLLKEN	PEIAKTLDKKL	REMLLN	PENM....QLIA	ETSSAA	DD	VEFGAVPEEF	..	354	
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGS	KNNVIRYFEENN	QIAEEIERN	IREQLLTGTN	GAVQ	..I	EDE	EEP	..LLES	...	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGS	KNNVIRYLEEN	PQISTEIEAV	IREQLLTKASD	QTAA	..HDETE	EEP	..LLES	...	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGS	KANAACKYLLKEN	PEIGQIEEQ	IRAKLLVTSAN	TKATP	V	AEDL	AD	AD	..I	347
consensus	***!!!	*****	**	*	***	*****	**	*	***		

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NTDB id 408 SMU RS09530 WP 002262392.1	D..		383
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consensus			

- X non conserved
- X similar
- X ≥ 50% conserved