

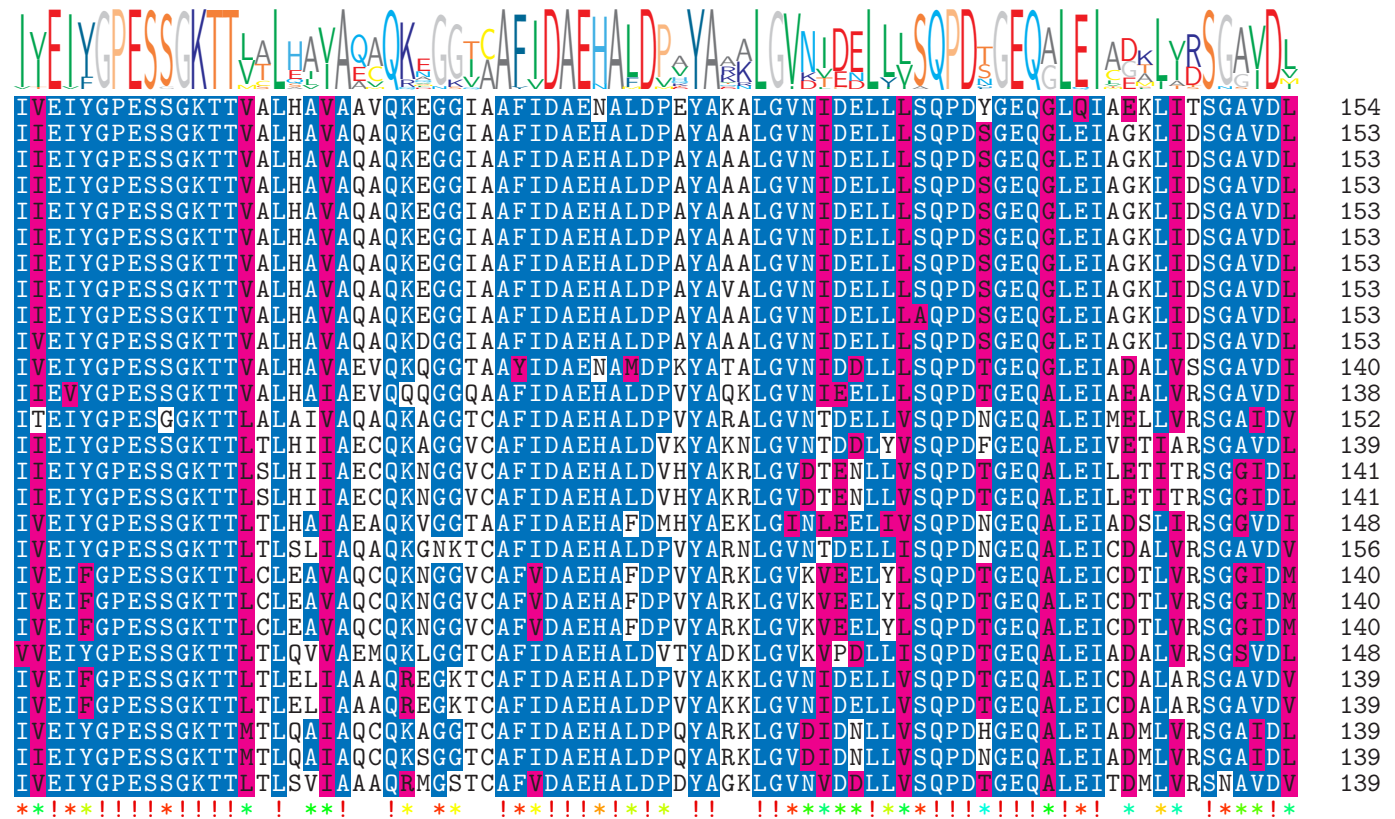
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NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 342210 ETT50 RS09045 WP 032465304.1	.MAKK.....LKKNEEITKKFG	DERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQ	VMSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFG	DERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQ	VMSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFG	DERKKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQ	VMSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVST	VSSGSLALDEAL	GVGGY	PRGR			60
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQ	FGKGSIMKLG	EK.TDTR	ISTVPSGSLALD	TALGIGGY	PRGR			58
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTDAKERS	KAITETAMSQIEKA	FGKGSIMKLGAE	.SKLDVQ	VVSTGSLSLD	L	ALGVGGI	PRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	MDNKRKSLDAALKS	LDKTFGKGTILRLGDK	.EVEQ	IDSIGTGSVGLDL	ALGIGGV	PKGR			59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKAISLA	IKQIDKVF	FGKGALVRLGDK	.QVEK	IDAISTGSLGLDL	ALGIGGV	PKGR		61
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKAISLA	IKQIDKVF	FGKGALVRLGDK	.QVEK	IDSISTGSLGLDL	ALGIGGV	PKGR		61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSN	DDKKKALA	AVLEKLDKT	YGKGTVMKLG	DGTVDHNI	EVIPSGSLGLDL	ALGVGGY	PKGR	68
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NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALA	QIEKSFGKGAIMKMDGSQ	QEENLEVISTGSLGLDL	ALGVGGL	PRGR				60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALA	QIEKSFGKGAIMKMDGSQ	QEENLEVISTGSLGLDL	ALGVGGL	PRGR				60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKQKALAAALA	QIEKQFGKGSIMKMG	DA.EVEP	VQVVSTGSLGLD	VALGVGGL	PRGR		68
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQKALAAALG	QIEKQFGKGSIMRLG	DN.RAMD	VETISTGSLSLD	I	ALGAGGL	PMGR		59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALG	QIEKQFGKGSIMRLG	DN.RAMD	VETISTGSLSLD	I	ALGAGGL	PMGR		59
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALS	QIEKQFGKNTVMRLG	DN.TVQ	AVEAVSTGSLTLD	I	ALGIGGL	PKGR		59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALG	QIEKQFGKGAVMRMG	DH.DRQA	IPSISTGSLGLD	I	ALGIGGL	PKGR		59
consensus	***	***	**	***!	***!	*****	*	***!!*!!*!!*!!*!!*!!	

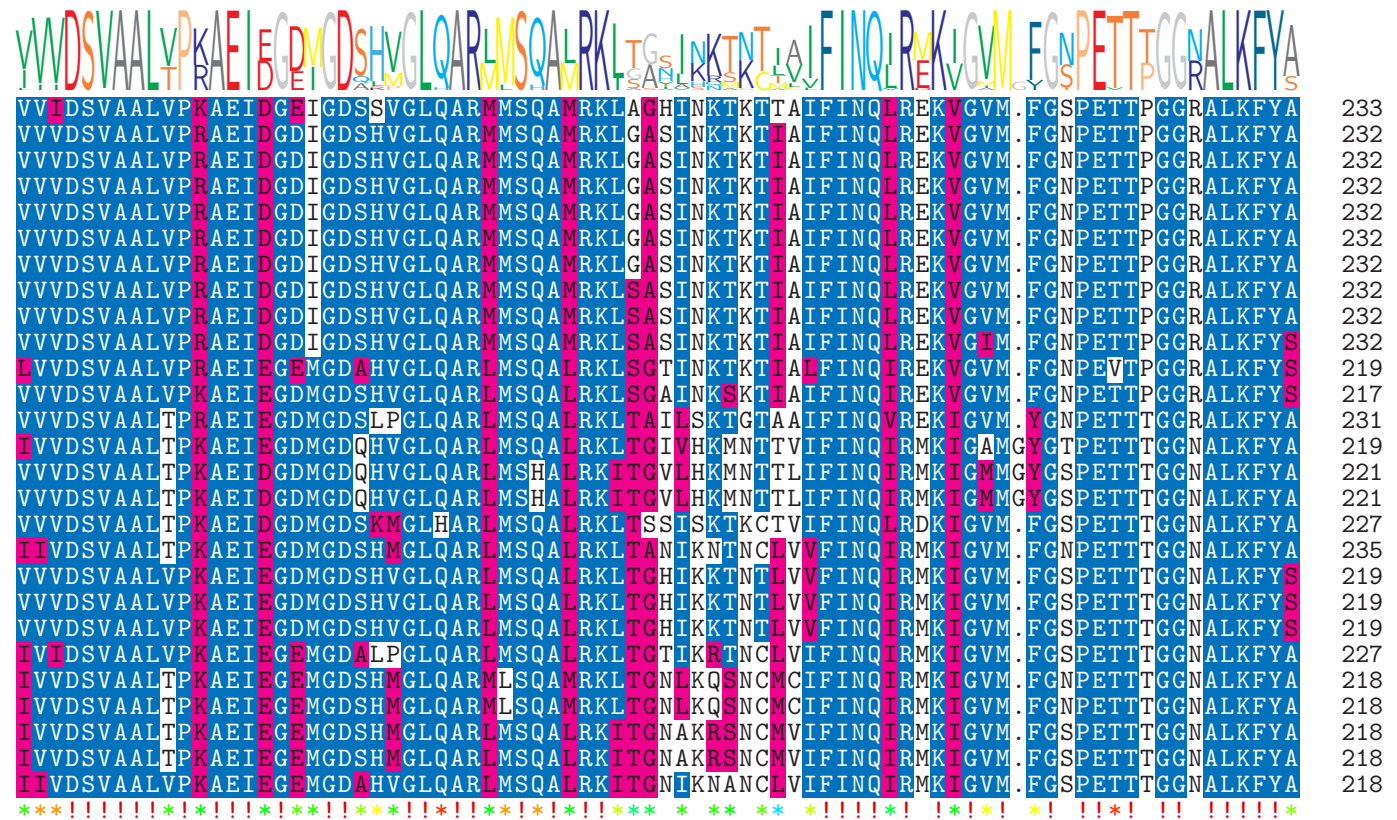
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NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
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consensus

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consensus



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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEEV	VGNETRIKVVKNKIAAPFKE	ANTQIMYGGGFNREGELIDL	GVKHKMVEKSGAWYSYN	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEI	IGSETKVVKNKMAPPFRE	AIFFQILYGKGVNQLGELV	DLAVQQNIVQKAGAWYSYQ	293
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NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEV	VGSETRVKNKVAPPFRQAE	FQILYGKGIYRNGEITDL	GVQQGLVEKSGAWAYK	293
consensus	*!!**!* *	* ** *****!!*!!*!!*!!* *	*****!!*!!** * * * * *	***** !! *****!	

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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

D E K I G I Q Q A E K A K N L K H E Q D V F D E I D H K V R A A H G L L D D S E V A E T E E T T A . . . S K T K A K A K K E E K A V E T E I E L E D .	387
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EERLGGGRENAKQFLKENDKIMLMITQEIRHYGLDNNGVVQQQAETQE. . . EL. EFE. E.	348
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NTDB id 600 KW2 RS01765 WP 011675413.1		387
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NTDB id 1074 ABD1 RS10195 WP 000344167.1		349
NTDB id 1205 PSJM300 05545 AFN77183.1		347
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved