

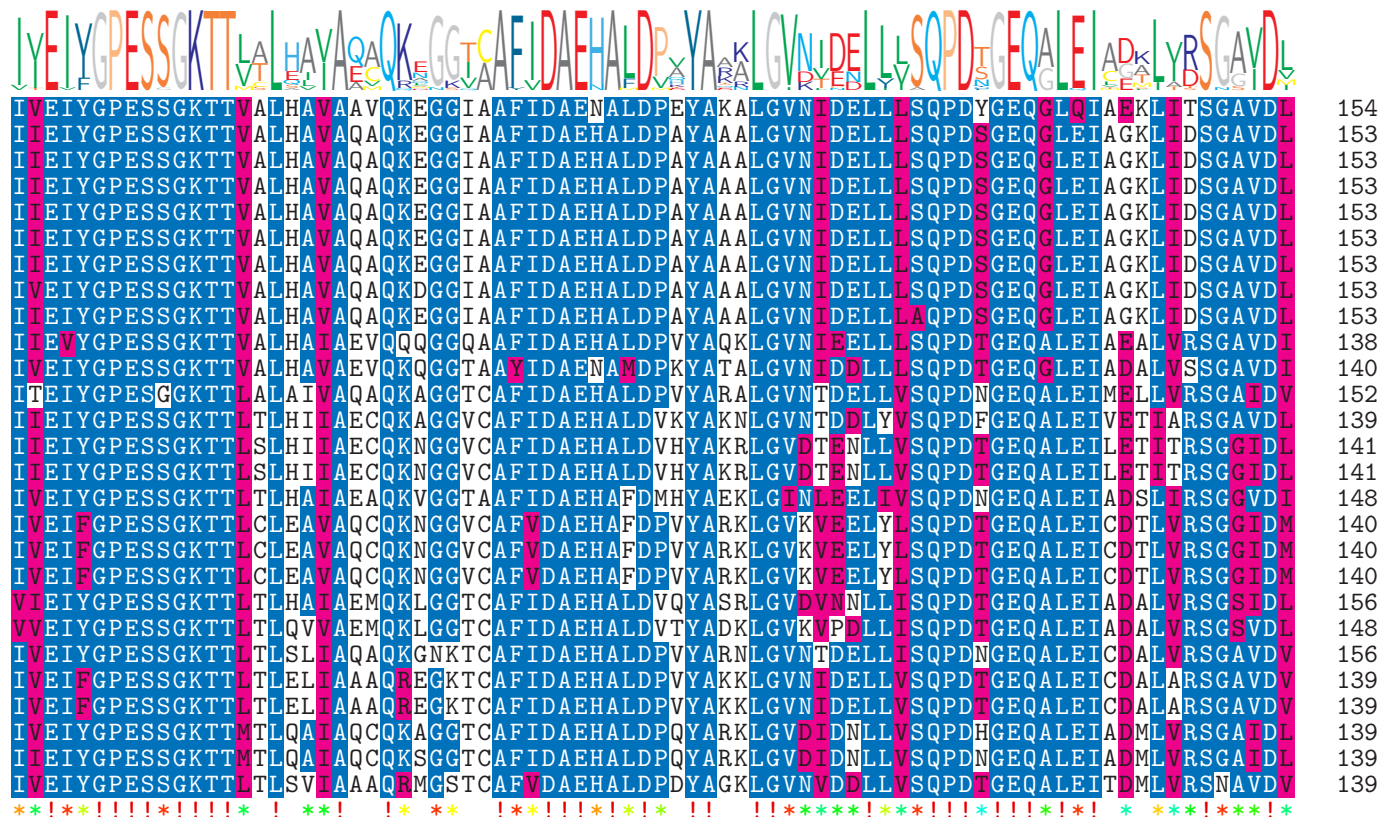
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NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGE	RAEQ.KVQVMSSGSLALD	I	ALGSGGYPKGR	73	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGE	RAEQ.KVQVMSSGSLALD	I	ALGSGGYPKGR	73	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGE	RAEQ.KVQVMSSGSLALD	I	ALGSGGYPKGR	73	
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGE	RAEQ.KVQVMSSGSLALD	I	ALGSGGYPKGR	73	
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP....KKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGE	RAEQ.KVQVMSSGSLALD	I	ALGSGGYPKGR	73	
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NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL....KKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGE	RAEQ.KVQVMSSGSLALD	I	ALGAGGYPKGR	73	
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQ	FGKGSIMKLGE	KTDDT.RISTVPSGSLALD	T	ALGIGGYPGR	58		
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKN	FGKGSIMRMGE	KVDT.QVSTVSSGSLALDE	A	LGVGYPGR	60		
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAP	TDAKERSKATETAMSQIEKA	FGKGSIMKLGAESKL	.DVQVVSTGSLSLDL	A	LGVGGIPGR	72	
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKSLDKT	FGKGTILRLG	DKVE.QIDSIGTGSVGLD	L	ALGIGGVPKGR	59		
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NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QENLEVISTGSLGLD	L	ALGVGGLPRGR	60		
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NTDB id 176127 AOC25 RS10550 WP 011903669.1	.MALDD.KRKSASSE..FEGMSG	DKQKALTAALAQIEKQ	FGKGSIMRLGDAEISQ	DIQVSSGSLGLD	I	ALGVGGLARGR	76	
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTVV..KQVEPEQ	KKQALEAALAQIEKQ	FGKGSIMKLGQTEQL	.DIESVSTGSLGLD	L	ALGIGGLPMGR	76	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQ	FGKGSIMRLG	DNRAM.DVETISTGSLSLD	I	ALGAGGLPMGR	59		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKS	KALQAALSQIEKQ	FGKNTVMRLG	DNTVQ.AVEAVSTGSLTLD	I	ALGIGGLPKGR	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKS	KALQAALSQIEKQ	FGKNTVMRLG	DNTVQ.AVEAVSTGSLTLD	I	ALGIGGLPKGR	59	
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKK	RALAAALGQIEKQ	FGKGAVMRMG	DHNRQ.AIPSISTGSLGLD	I	ALGIGGLPKGR	59	
consensus	*** **	***	***!	***!*****	*	***!!*!!*!!*!!*!!*!!	***!!	

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NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
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NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
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NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 1334 RAOC RS04870 WP 004918236.1
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NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 176127 AOC25 RS10550 WP 011903669.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

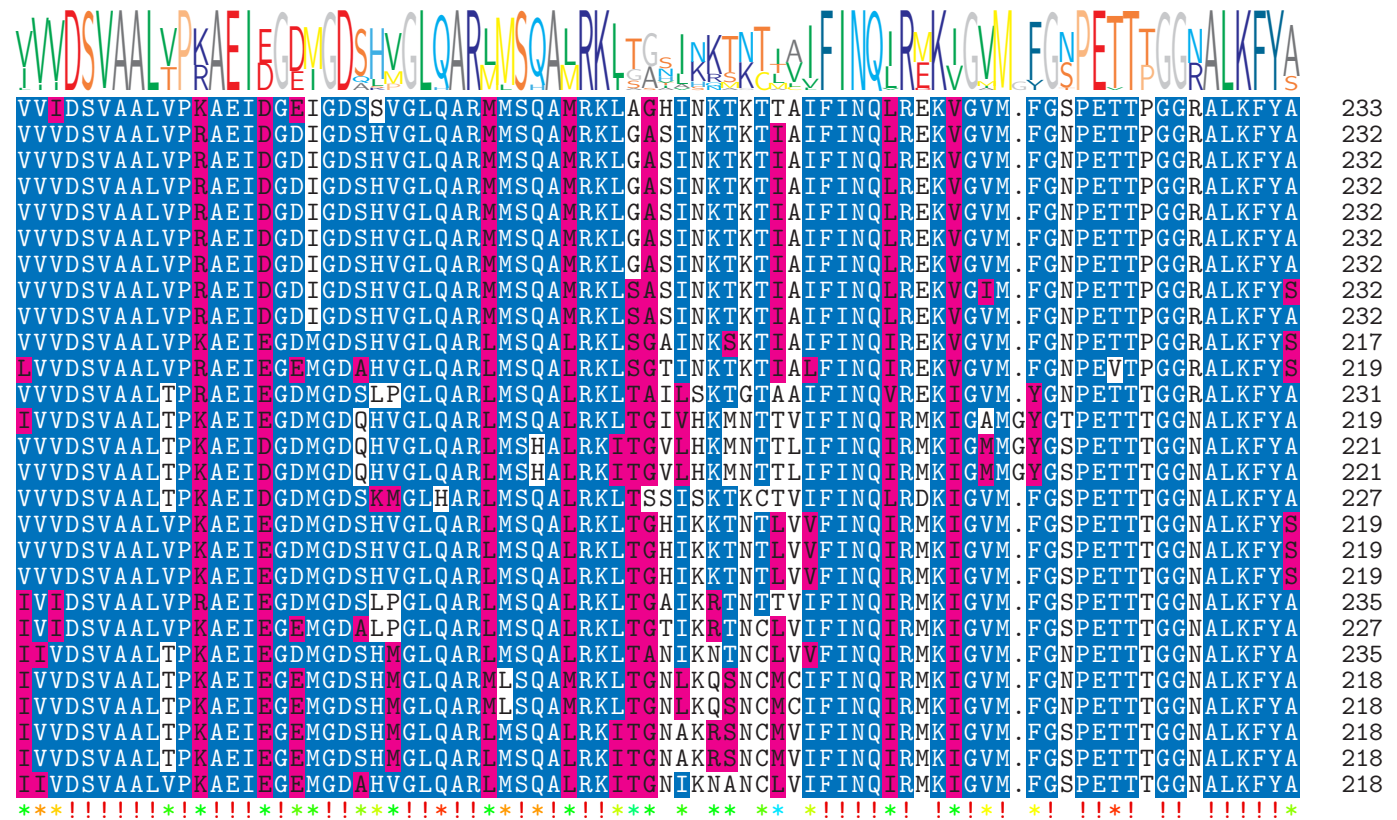
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQNEEPIGNRVKVVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSYK	294
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
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NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQFIDILYGGKGIYRNGEIIDLGVQQGLVEKSGAWYAYK	293
consensus	***!***!* *	

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NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1			387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEE		388
NTDB id 228 SPD RS09265 WP 001085462.1	EIEE		388
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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