

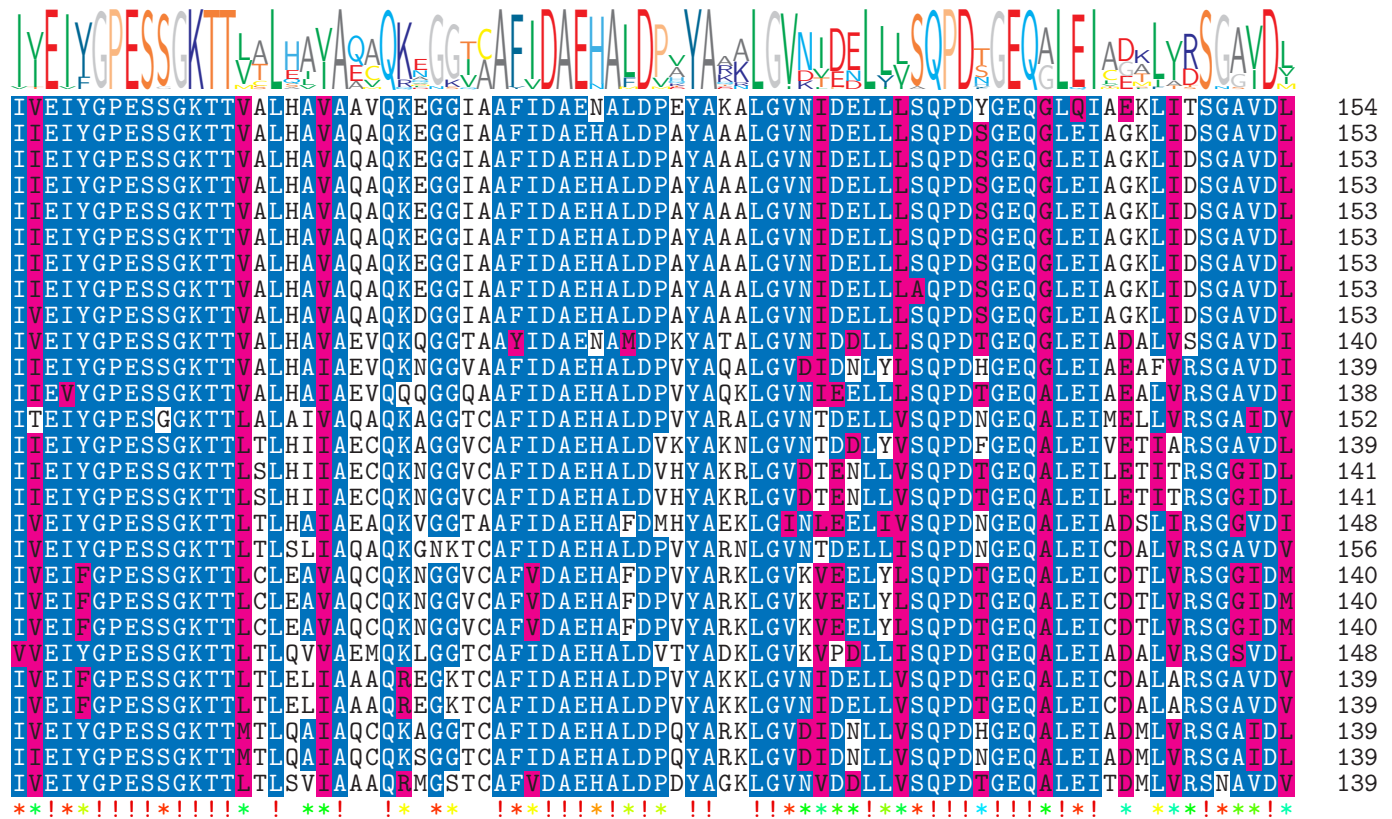
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATK.....KKTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALD	I	ALGAGGY	PKGR	74		
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NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	AKERSKAT	IETAMSQIEKA	FGKGSIMKLG	AE.SKLDVQV	VSTGSLSLD	I	ALGVGGI	PKGR	72	
NTDB id 1245 Cj1673c YP 002345041.1	MDDN	KRKSLDAALKS	LDKTFGKG	TILRLGDK.EVEQ	IDSIGTGSVGLD	I	ALGIGV	PKGR	59		
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDE	DKQKATISLAIKQ	IDKVF	FGKGALVRLGDK.QVEK	IDSISTGSLGLD	I	ALGIGV	PKGR	61		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDE	DKQKATISLAIKQ	IDKVF	FGKGALVRLGDK.QVEK	IDAI	ISTGSLGLD	I	ALGIGV	PKGR	61	
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQ	KKQALEAALA	QIEKQFGKGSIMKLG	QT.EQLD	IESVSTGSLGLD	I	ALGIGGL	PMGR	76		
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consensus		***	***	*	***!	***!	*****	*	***!!****!!	!!	***!!

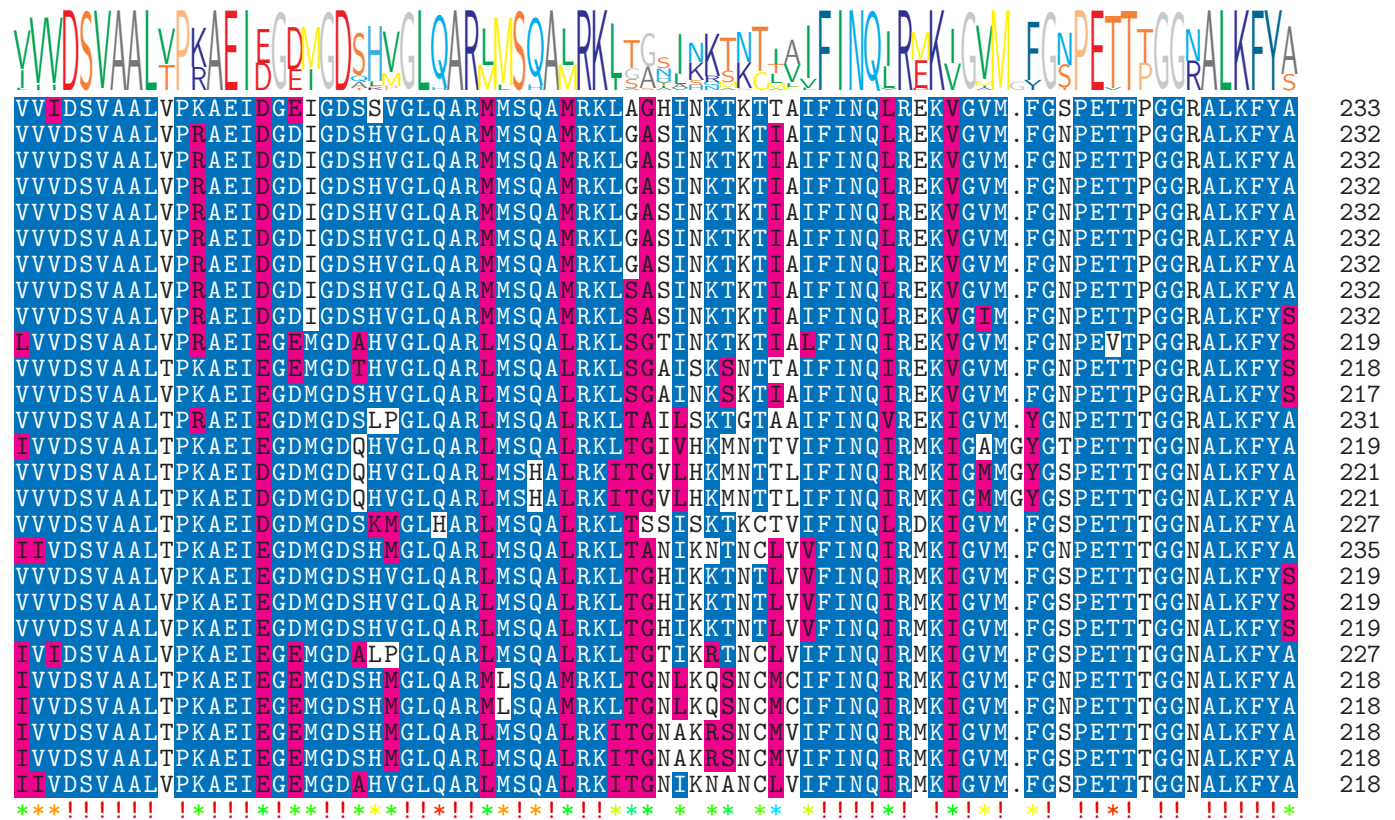
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NTDB id 269 KZH43 RS08665 WP 001085462.1
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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 329169 EH163 RS11300 WP 002439552.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
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consensus

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consensus



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NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGNDAAVANTVKIKTVKNKVAAPFKEVELALVYGKGFQDQLSDLVGLAADMDIINKAGSFYSYG	307
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVVVVKNKMAPPFKEAIFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSETRVVVVKNKVAPPFRQAEFQILYGKGIYRNGEIIDLGVQQGLVEKSGAWAYK	293
consensus	*!!**!* * ** *****!*****!!*!!*!!* * *****!*!*** ***** ** *** ! !*****!	

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHGL	LDDSEVAETE	EET...TASKTKAKAKKEEKAVETEEIELE	384	
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQD	TEN...KKDE...PKKEEA..VNEEVPLD	377	
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLAADNPEVFAE	IDHQVRVQFGL	LIDGEEAAES	KKDE...VAQVDS..VNEEVTLD	373	
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAM	AVA...SE.....E.....TDDLALD	369	
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQ	SSK...EK.....ETDEK..ADKNLVLE	374	
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGS	ENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPT	TED...EQINILPDDSTEE	355	
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGS	KNNVIRYFEENNQIAE	EIERNIREQLLT	TGTN	GAVQ.I.EDEEE	PDLL..LES..... 349	
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGS	KANAACKYLLKENPEI	GQIEIEQ	IRAKLLVTSAN	TKATPVAED	LADADI..... 347	
consensus	***!!!	*****	**	*****	*****	**	**

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NTDB id 600 KW2 RS01765 WP 011675413.1	LED.....		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LGDELEIEIEE		388
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NTDB id 159 SP RS09750 WP 001085462.1	LGDELEIEIEE		388
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	LGDELEIEIEE		384
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NTDB id 408 SMU RS09530 WP 002262392.1	LDDTIELED..		383
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NTDB id 329169 EH163 RS11300 WP 002439552.1			349
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NTDB id 1165 A1552VC RS01565 WP 000344154.1			354
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NTDB id 1074 ABD1 RS10195 WP 000344167.1			349
NTDB id 1205 PSJM300 05545 AFN77183.1			347
consensus			

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