

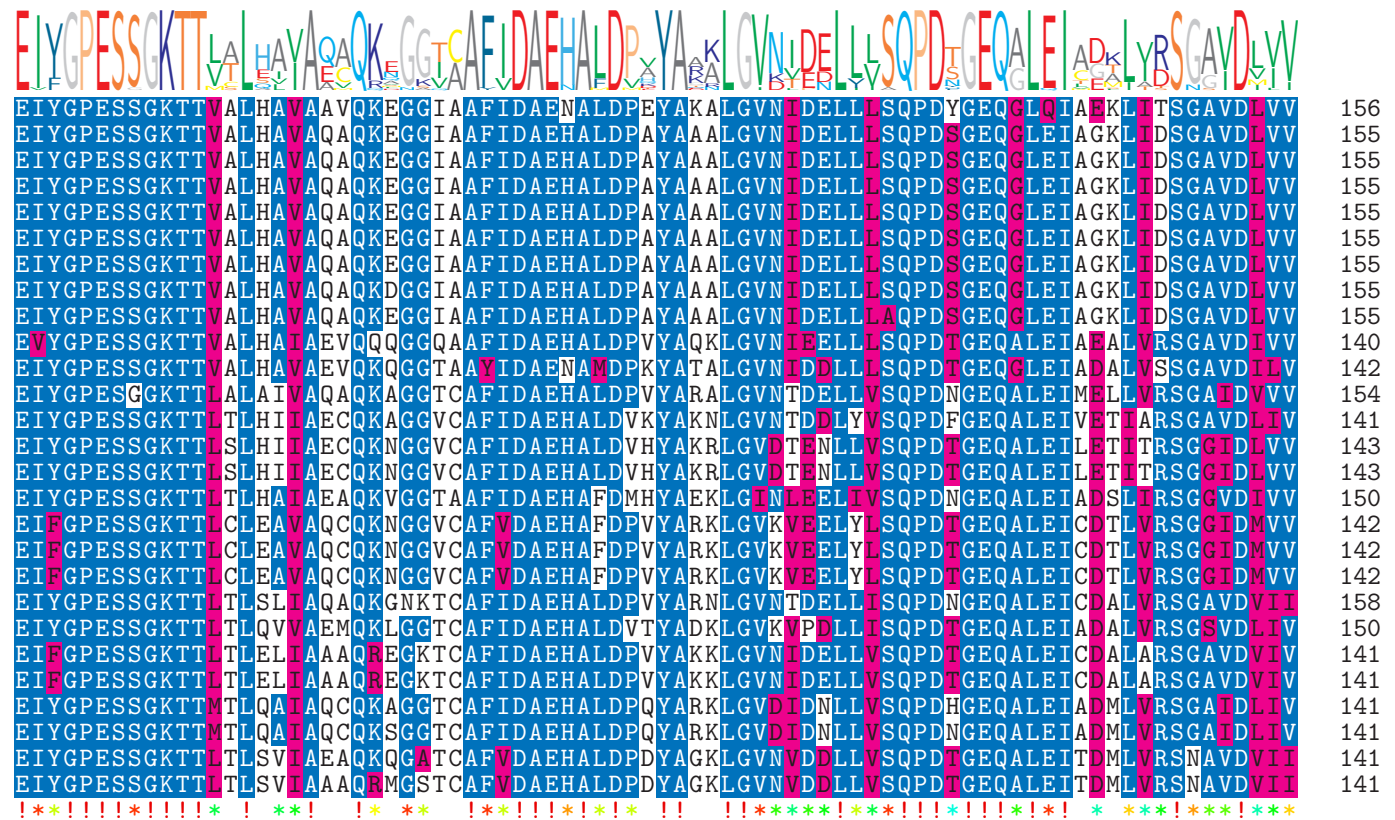
logo

NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK...TNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGER.A.NQKVSVVSSGSLALDIALGAGGYPKGRIV	76
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NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGRIV	62
NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD....ATKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRIT	74
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKALSLAIKQIDKVFVGKGAIVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKALSLAIKQIDKVFVGKGAIVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKTETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDDGTVDHNIIEVIPSGSLGLDLALGVGGYPKGRIV	70
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTVVKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRIV	78
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIV	61
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIV	61
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIT	61
NTDB id 48582 PAM18 RS07045 WP 003092260.1	MDENKKRALAAALGQIERQFGKGAVMRMGDH.ERQAIPAISTGSLGLDIALGIGGLPKGRIV	61
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGRIV	61
consensus	*** **	

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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
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 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

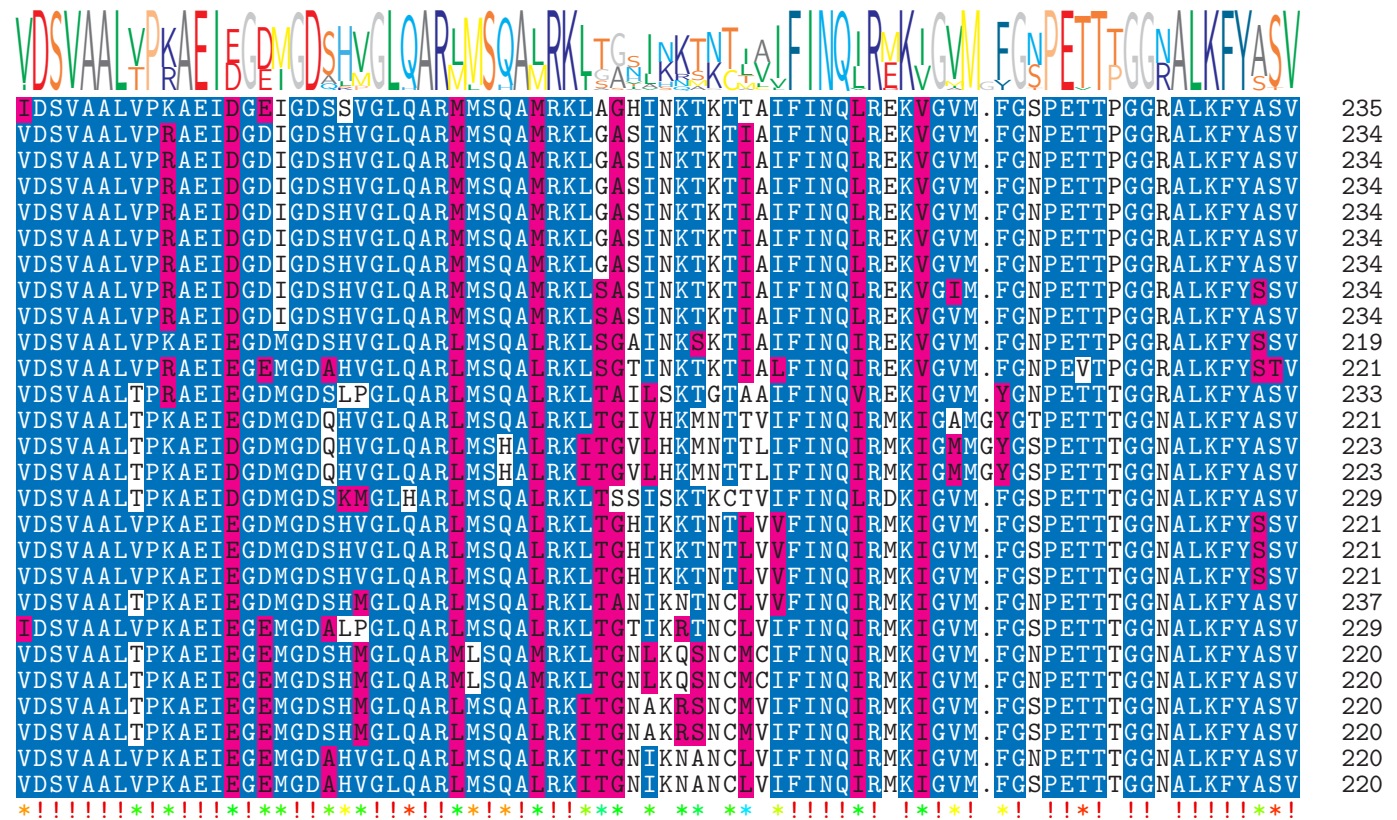
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consensus

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NTDB id 1427 RS RS02760 WP 011000510.1	RLDIR	RIGS		I.KKG	DEV	VGN	ETKV	VVKNKVAPPF	REAI	F	DILY	GAGV	SREGE	ITID	LGVEAK	VVEKS	SGAWYSY	NGE	304										
NTDB id 1165 A1552VC RS01565 WP 000344154.1	RLDIR	RTGA		I.KEG	EEV	VGN	ETRI	IKVVKN	IA	APFKE	ANTQ	IMYGG	GFNR	EGEL	IDL	GVKHKM	VVEKS	SGAWYSY	NGD	295									
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIR	RIGQ		V.KEG	DEIIG	SETKV	VVKNKM	APPF	REAI	F	QILY	GKGV	NQL	GEL	VDLAV	QQNIV	QKAG	AWYSY	QGN	295									
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consensus	!	***	!	*		*		*	*	*****	!*	***	!!	*****	!	*		*****	!*	***	*****	*		***	*	!	!*	***	!

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NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHGL	LDDSEVAETEEETT	...	AS	TKAKAKKEEKAVETEEIELELED	...	387				
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NTDB id 228 SPD RS09265 WP 001085462.1	KIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	...	KDE	...	PKKEEA..VNEEVPLDLGDELE	383			
NTDB id 194 SPR RS08825 WP 001085462.1	KIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	...	KDE	...	PKKEEA..VNEEVPLDLGDELE	383			
NTDB id 159 SP RS09750 WP 001085462.1	KIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	...	KDE	...	PKKEEA..VNEEVPLDLGDELE	383			
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGS	ENAKKYLA	DNPEVFAE	IDHQVRVQFGL	IDGEEAAES	...	K	...	KDE	...	VAQVDS..VNEEVTLDLGDELE	379	
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NTDB id 625 LCA RS02525 WP 011374196.1	RIGQGR	ENAKNYLA	DHEDVEDEV	RLKVRVRAAYGIS	DVPEEDLPTTEDE	...	QI	NILPDDST	...	EE	...	355	
NTDB id 1313 DR RS12030 WP 010888966.1	RIGQGK	EKTIAIYA	ERPMEQE	IRDRVMAAIR	AGNAGEAPALAPAPAA	PEAAEA	...	...	...	...	...	363	
NTDB id 1245 Cj1673c YP 002345041.1	KLGGGR	ENSKAFL	KENPEIADE	ITKAIQNSMCI	EGMIS	...	GSEDDE	GEE	...	...	...	343	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KLGGGR	ENAKALLK	EDKALADE	ITLKIKESIGS	NEEIM	...	PLPDEP	LEEME	...	...	...	347	
NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGR	ENAKALLK	EDKALADE	ITLKIKESIGS	NEEIM	...	PLPDEP	LEEME	...	...	...	347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGR	DTVKELIK	DNPELAE	ELEAKIREKLQAK	...	...	...	...	...	...	...	343	
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGD	NVRVWL	KENPEISDE	IDAKIRALNGVEMHIT	...	...	EGTQDET	DGE	...	RP	...EE	348	
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NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGR	DNCREFL	RENAELAR	EIENKVRHLGVTPMG	...	...	AVTLAE	VEED	...	...	...	352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	KIGQGN	ANACKYL	KENPEIAKT	LDKKLREMLLN	PENMQ	...	LIAETSSAA	DDVEFGAVP	...	EEF	...	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	KIGQGN	ANACKYL	KENPEIAKT	LDKKLREMLLN	PENMQ	...	LIAETSSAA	DDVEFGAVP	...	EEF	...	354	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGN	NVIRYLEEN	PQISTE	IEAVIREQLLTKASDQ	...	...	TAAMD	ETEE	...	EPDLL	...E	...	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGN	NVIRYFEEN	NQIAEEIERN	IREQLLTTGTNG	...	...	AVQI	EDE	...	EPDLL	...L	...	349
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NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQGN	ANAAYLE	DNPEIGQ	EIEQQIRAKLLVTSANT	...	...	KATPVA	EADLADADI	...	...	...	...	347
consensus	***!!!	*****	**	*****	*****	**	**			**			

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		IEIEE	
NTDB id 600 KW2 RS01765 WP 011675413.1			387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEIEE		388
NTDB id 228 SPD RS09265 WP 001085462.1	IEIEE		388
NTDB id 194 SPR RS08825 WP 001085462.1	IEIEE		388
NTDB id 159 SP RS09750 WP 001085462.1	IEIEE		388
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEIEE		384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEIEE		384
NTDB id 408 SMU RS09530 WP 002262392.1	LED..		383
NTDB id 453 Spy49 1753c ACI62003.1	IED..		378
NTDB id 115 BSU 16940 NP 389576.2			348
NTDB id 625 LCA RS02525 WP 011374196.1			355
NTDB id 1313 DR RS12030 WP 010888966.1			363
NTDB id 1245 Cj1673c YP 002345041.1			343
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NTDB id 1389 A4U84 RS07560 WP 021112712.1			372
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NTDB id 1165 A1552VC RS01565 WP 000344154.1			354
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NTDB id 1205 PSJM300 05545 AFN77183.1			347
consensus			

- ⓧ non conserved
- ✖ similar
- ⓧ ≥ 50% conserved