

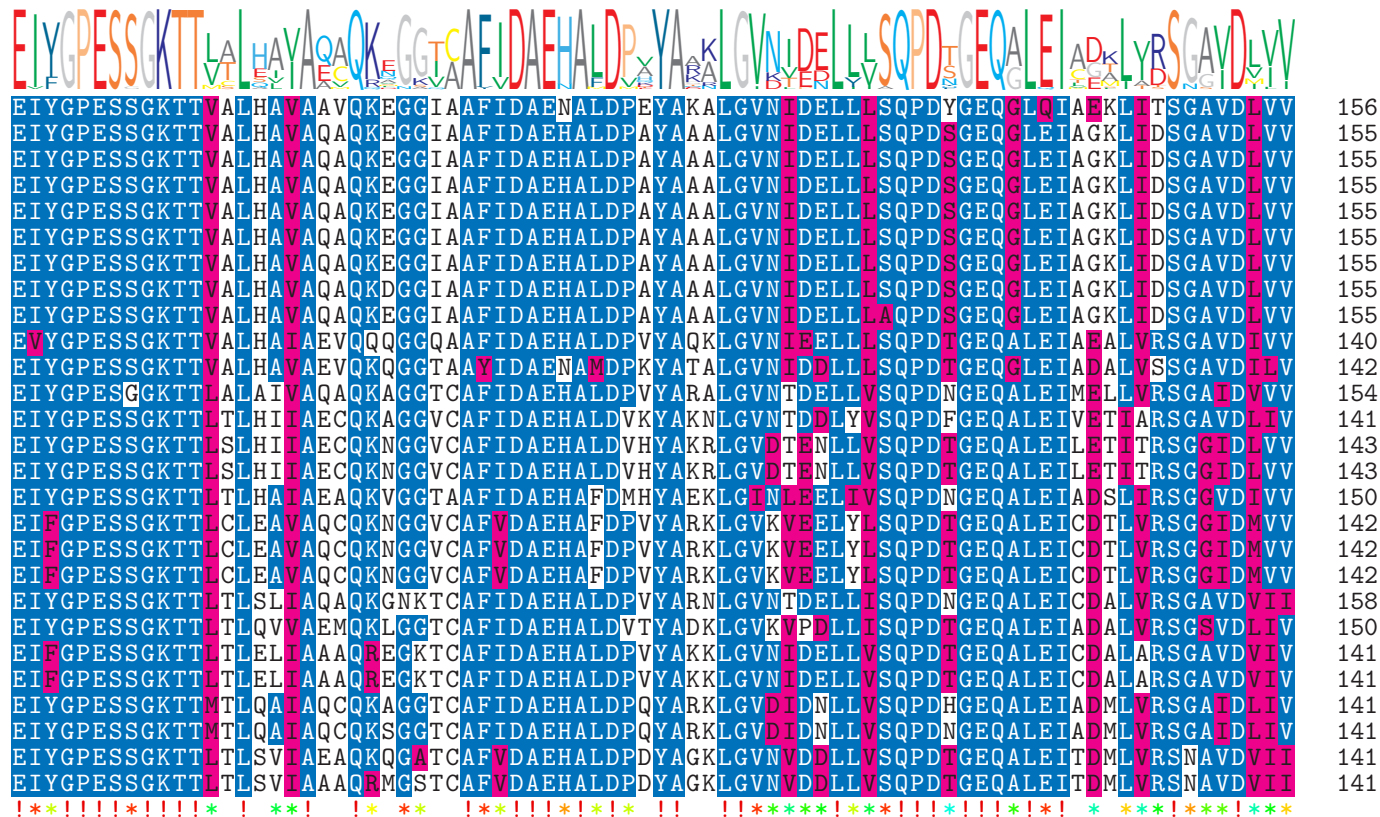
logo

NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK...TNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGEA.ANQKVSVVSSGSLALDIALGAGGYPKGRIV	76
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NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP...KKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIT	75
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP...KKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIT	75
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NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKGSIMKLG EK.TDTRISTVPSGSLALDTALGIGGYPRGRIT	60
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGRIV	62
NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD....ATKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRIT	74
NTDB id 1245 Cj1673c YP 002345041.1	MDNKRKSLDAALKSLDKT FGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRIT	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKALSLAIKQIDKVF GKGA LVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKALSLAIKQIDKVF GKGA LVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKTETTSPNDDKKKALAAVLEKLDKT YGKGTVMKLG DGTVDHNI EVIPSGSLGLDLALGVGGYPKGRIV	70
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSF GKGA IMKMDGSQREENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSF GKGA IMKMDGSQREENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSF GKGA IMKMDGSQREENLEVISTGSLGLDLALGVGGLPRGRIV	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 77491 HW09 RS28610 WP 003092260.1	MDENKKRALAAALGQIERQFGKGAVMRMGDH.ERQAIPAISTGSLGLDIALGIGGLPKGRIV	61
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGRIV	61
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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
NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 77491 HW09 RS28610 WP 003092260.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

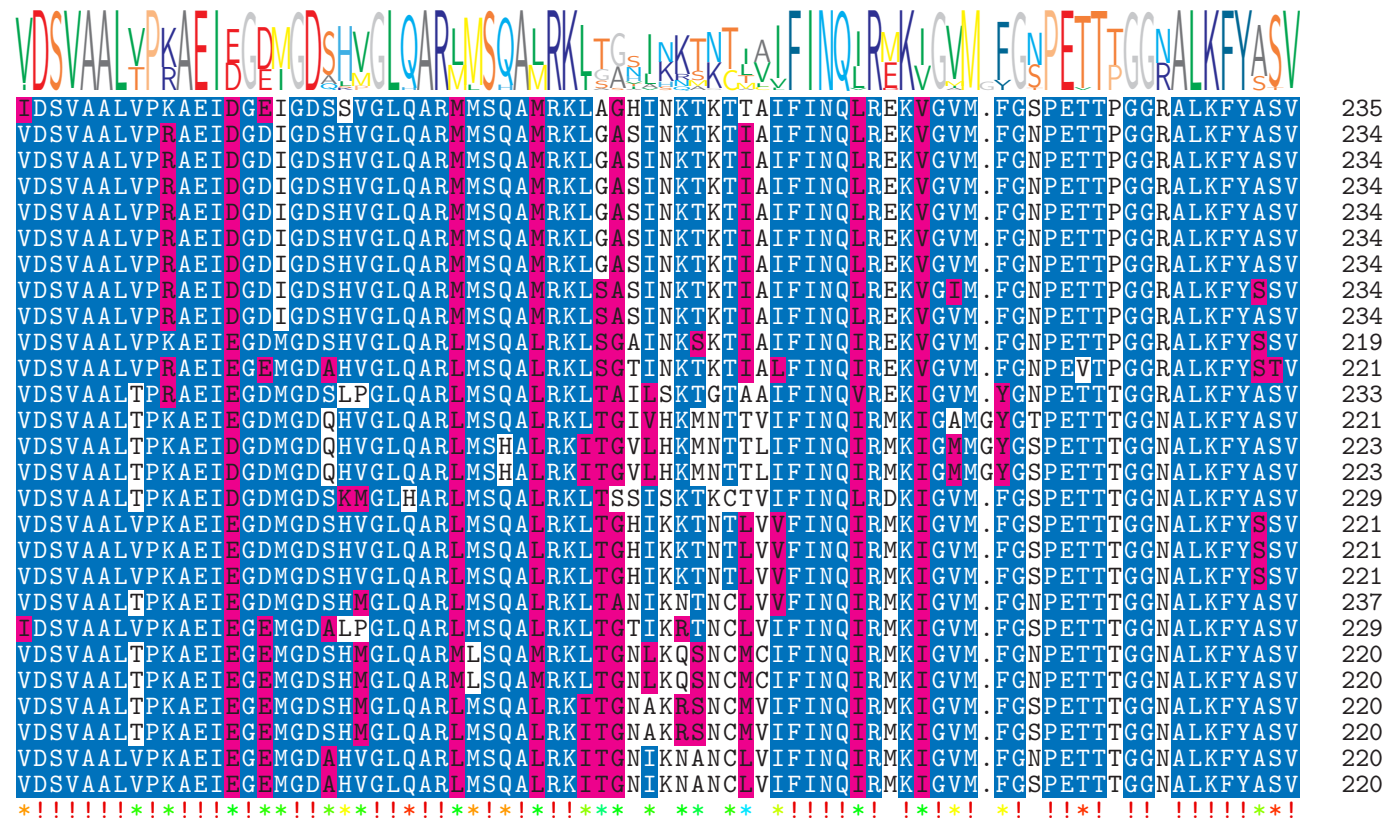
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consensus

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NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVV	VKNKVAPPF	KEAVV	EIMY	GEGIS	KTGELL	KIASD	LDI	IKKAG	AWYSYK	DE	313	
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NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVV	VKNKVAPPF	KEAFV	EIIY	GEGIS	RGTGEL	VKIASD	LDGI	IKKAG	AWYSYNGE		313	
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	RLDIRR	TGA....	I.KEGE	EEVGN	ETRIKVV	VKNKIA	APFKE	ANTQ	IMYGG	GFNR	REGEL	IDLGV	VKHKMVE	EKSG	AWYSYNGD	295	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRR	TGA....	I.KEGE	EEVGN	ETRIKVV	VKNKIA	APFKE	ANTQ	IMYGG	GFNR	REGEL	IDLGV	VKHKMVE	EKSG	AWYSYNGD	295	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRR	IGQ....	V.KEG	DEIIG	SETKV	VVVKNKM	APPF	REAI	FQILY	GKGV	NQLG	ELVD	LAV	QQNIV	QKAG	AWYSYQGN	295
NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRR	IGQ....	V.KEG	DEIIG	SETKV	VVVKNKM	APPF	REAI	FQILY	GKGT	NQLG	ELVD	LAV	QQDIV	QKAG	AWYSYQGN	295
NTDB id 77491 HW09 RS28610 WP 003092260.1	RLDIRR	TGA....	V.KEG	DEVVGS	ETRV	VVVKNKV	SPPFR	QAEF	QILY	GKGI	YRTGE	ITID	LG	VQLGL	VEKSG	AWYSYQGS	295
NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRR	TGA....	V.KEG	DEVVGS	ETRV	VVVKNKVAPPF	RQAEF	QILY	GKGI	YRN	GEI	IDL	GV	QQGL	VEKSG	AWYAYKGS	295
consensus	!***!*		*	*	*	***!***!!***!!*	*	***!*	!***	***	***	***	***	!*	!***!		

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NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	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				
NTDB id 499 SM12261 RS08315 WP 078228268.1	KIGQGS	ENAKKYLA	DNPEIF	DEIDHQVRVQFGL	IDGEEIAES	...	K	...	KDE	...	AAQVDS..VNEEVTLDLGDELE	379		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGS	ENAKKYLA	DNPEVFAE	IDHQVRVQFGL	IDGEEAAES	...	K	...	KDE	...	VAQVDS..VNEEVTLDLGDELE	379		
NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLA	DNPEIFDD	IDHKVRVQYGL	IEEDNTEEKQSSKE	...	K	...	ETDEK	...	ADKNLVLELDDTIE	380		
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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	ITLKI	KESIGSNEEIM	...	PLPDEP	LEEME	...	...	...	347		
NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGR	ENAKALLK	EDKALADE	ITLKI	KESIGSNEEIM	...	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	
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGD	NVRVWL	KENPEISDE	IDAKIRALNGVEMHIT	...	...	EGTQDET	DGE	...	RP	...	EE	348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQGD	NVRVWL	KENPEISDE	IDAKIRALNGVEMHIT	...	...	EGTQDET	DGE	...	RP	...	EE	348	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQGN	NAVKWL	KENPEIADK	LEQEIRNTLASNPNSV	...	...	LKATASDSN	DES	...	VEEFS	...	EEEL	372	
NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGR	DNCREFL	RENAELARE	ENKVRHLGVTPMG	...	...	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	NVIRYLEENP	QISTEIE	AVIREQLLTKASDQ	...	...	TA	AHD.ETEE	EPDLL	...	E	...	S	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGN	NVIRYFEENNQIA	EIEERN	IREQLLTTGTNG	...	...	AVQI	..EDE	EPDLL	...	L	...	ES	349
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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	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
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NTDB id 77491 HW09 RS28610 WP 003092260.1		346
NTDB id 1205 PSJM300 05545 AFN77183.1		347
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved