

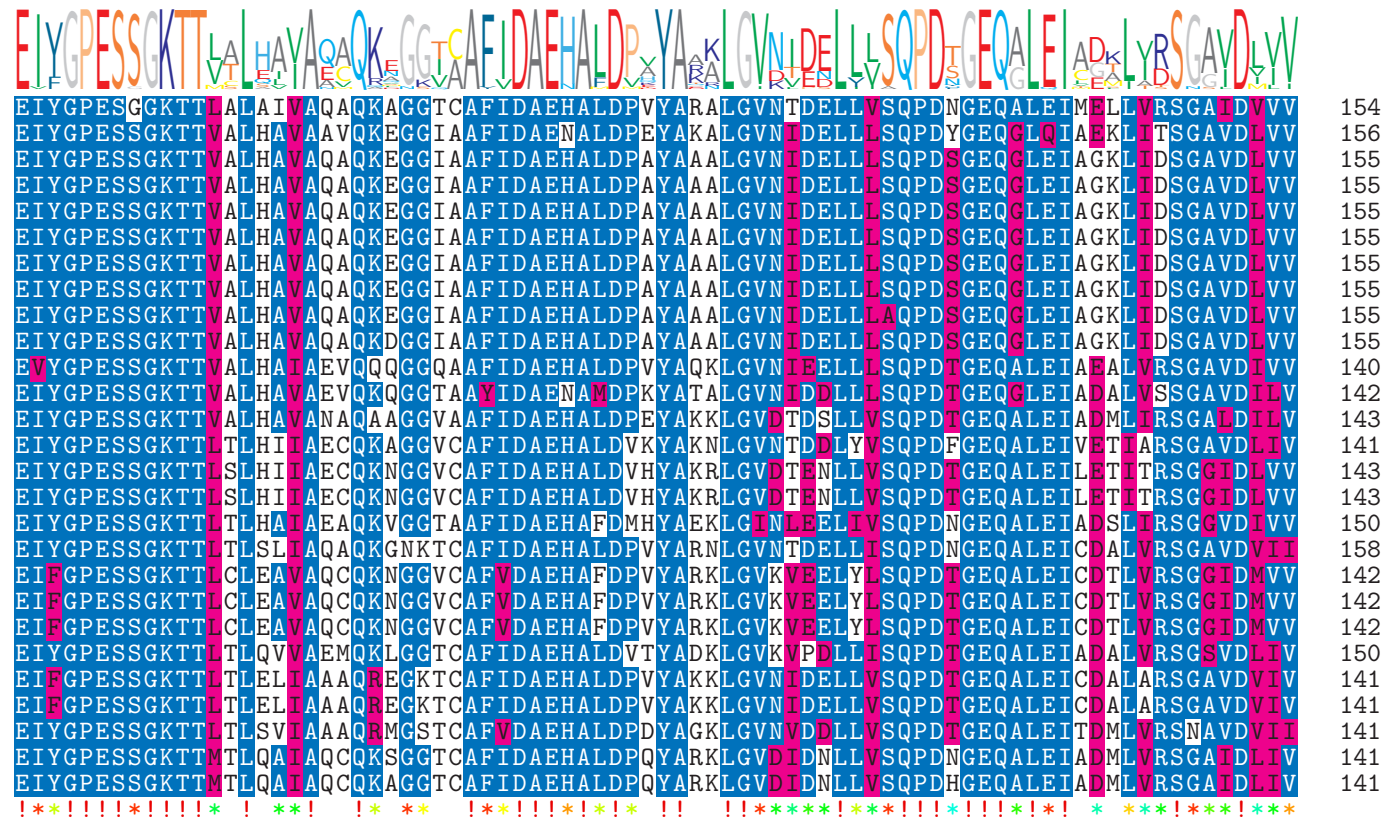
logo

NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD...ATKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRIT	74
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NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKGSIMKLGEK.TDTRISTVPSGSLALDTALGIGGYPRGRIT	60
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGRIV	62
NTDB id 44251 OCQ RS17405 WP 008258595.1	MAQAPDREKALELAMAQIEKSYGKGSVMRLGDE.MRQPISVIPTGSTALDVALGIGGLPRGRVV	63
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRIT	61
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATISLAIKQIDKVFVGKGAIVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATISLAIKQIDKVFVGKGAIVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKTETTSPNDKKKKALAAVLEKLDKTYGKGTVMKLGDTGVDHNIIEVIPSGSLGLDLALGVGGYPKGRIV	70
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTVVKKVEPEQKKQKALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRIV	78
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 1427 RS RS02760 WP 011000510.1	.MEDG.....KKAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPRGRVV	70
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKKKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIV	61
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGRIV	61
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIT	61
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIV	61
consensus	*** **	

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NTDB id 1313 DR RS12030 WP 010888966.1
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 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
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NTDB id 1427 RS RS02760 WP 011000510.1
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 1022 ACIAD RS06390 WP 004925639.1
consensus

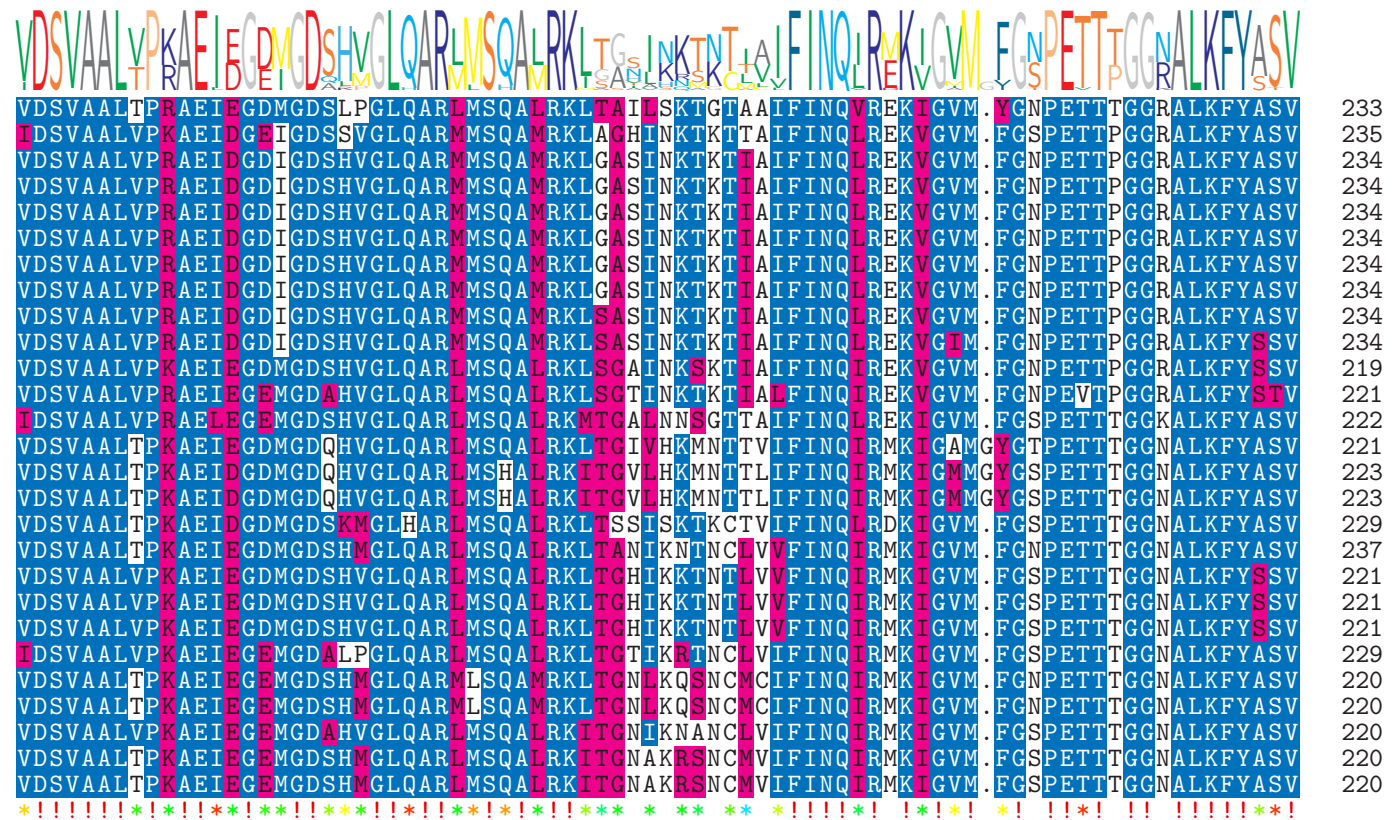
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
consensus

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NTDB id 1313 DR RS12030 WP 010888966.1	RLDVRKIGQ...PTKVGND	AVANTV	IKTVKNKV	AAFFKE	VELALV	YVGKG	FDQLS	DLVGL	AADM	DI	KK	AGS	FYSY	GD	309		
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NTDB id 453 Spy49 1753c ACI62003.1	RLDVRGTTQIKGTG.DQKDS	IGKETK	IKVVKNKV	APPFKE	AEVEIM	YGE	GISRT	GELV	KIASD	LDII	KK	AGAW	FSYN	GE	313		
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NTDB id 1245 Cj1673c YP 002345041.1	RLDVRKVVAT....L.KQNEEP	IGNRVK	VVVKNKV	APPFRQ	AEFD	VMF	GEG	LSRE	GELID	YGVK	LDIV	DK	SGAW	FSYK	DKD	296	
NTDB id 1211 C694 RS00795 WP 000963128.1	RIDIRRIAS....L.KQNEQH	IGNRAK	AKVVKNKV	APPFRE	AEFD	DMF	GEGISKE	GEI	IDY	GVK	LDIV	DK	SGAW	LSYQ	DK	298	
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NTDB id 1123 OK783 RS03845 WP 003688695.1	RLDIRRTGS....I.KKGE	EVVGN	ETR	VKVIKNKV	APPFRQ	AEFD	ILY	GEGISW	E	GELID	IGV	KNDI	INK	SGAW	SYNGA		296
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRRTGA....I.KEGE	EEVVG	N	ETIKVVKNK	IAAPFKE	ANTQ	IMYG	QGFN	REGEL	IDL	GVK	HKM	VVEK	SGAW	SYNGD		295
NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRRTGA....V.KEGE	DEVVGS	ETRVVVKNKV	APPFRQ	AEFQ	ILY	GKGIY	RNGE	IIDL	GV	QGL	VEK	SGAW	YAYKGS		295	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRRIGQ....V.KEGE	DEIVGS	ETKVVVVKNK	MAPPFRE	AI	FQ	ILY	GKGV	NQL	GELV	D	LAV	Q	Q	NIV	QKAGAWYSYQGN	295
consensus	!***!*	*	**	*****!***!!*****!*	*	*****!*	*****	*****	*	*****	!	!*****!					

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NTDB id 1313 DR RS12030 WP 010888966.1	RIGQGKEKTIAYIAERP	MEQEIRDRVMAAIRAGNAGEAPALAPAP.....AAPEAAEA.....	363			
NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGAEKAKNYLKEHQDV	FEIDHKKVRAAHGLDDSEVAETEEETTASKT.KAKAKKEEKAVETEEIELELED.....	387			
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NTDB id 499 SM12261 RS08315 WP 078228268.1	KIGQGS	ENAKKYLA	DNPEIFDEIDHQRVVRVQFGLIDGEEIAES...KKDE.....AAQVDS..VNEEVTLDLGDELEIEI	382		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGS	ENAKKYLA	DNPEVFAEIDHQRVVRVQFGLIDGEEAAES...KKDE.....VAQVDS..VNEEVTLDLGDELEIEI	382		
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NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLA	DNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED	383		
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NTDB id 625 LCA RS02525 WP 011374196.1	RIGQG	RENAKKNYLA	DHEDVEDEVRLKVRAAYGISDVPPEEDLPTTEDE.QI..NILPDDST.....EE.....	355		
NTDB id 44251 OCQ RS17405 WP 008258595.1	QLGQG	KENARTFLMEN	DEVANEIEKKIK	KEKLIGAVVTDDLSDSVLPA.....PV.....DF.....	350	
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NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGQ	RENAKALLKED	KALADEITLKIKESIGSNEEIMPLPDEP..LEEME.....	347		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KLGGQ	RENAKALLKED	KALADEITLKIKESIGSNEEIMPLPDEP..LEEME.....	347		
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQG	KNNAVKWLKEN	PEIADKLEQEIRNTLASNPNSVLKATASDSNDESDVVEEFSE.....EEL.....	372		
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQK	DNVRVWLKEN	PEISDEIDAKIRALNGVEMHITEGTQDET.....DGERPE.....E.....	348		
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQG	KNNVIRY	LEENPQISTEIEAVIREQLLT	KASDQTAA.HDETEE	EPD..LLES.....	349
consensus	***!!!!***** ** ***** ***** ** ** *			*		

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NTDB id 1313 DR RS12030 WP 010888966.1	..	363
NTDB id 600 KW2 RS01765 WP 011675413.1	..	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EE	388
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NTDB id 625 LCA RS02525 WP 011374196.1	..	355
NTDB id 44251 OCQ RS17405 WP 008258595.1	..	350
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NTDB id 1211 C694 RS00795 WP 000963128.1	..	347
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	..	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	..	349

consensus

 non conserved
 similar
 ≥ 50% conserved