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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
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
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NTDB id 1334 RAOC RS04870 WP 004918236.1
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NTDB id 1389 A4U84 RS07560 WP 021112712.1
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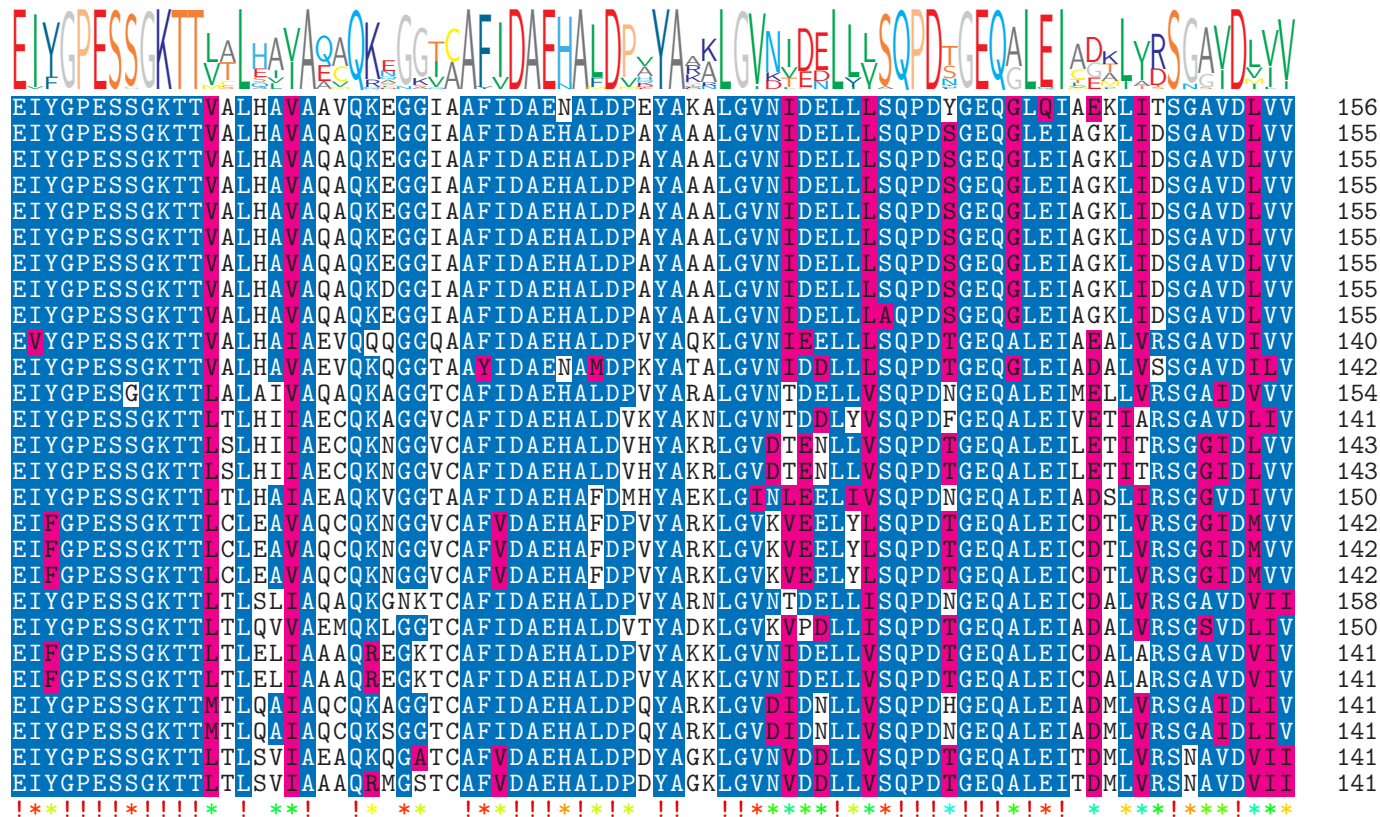
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consensus

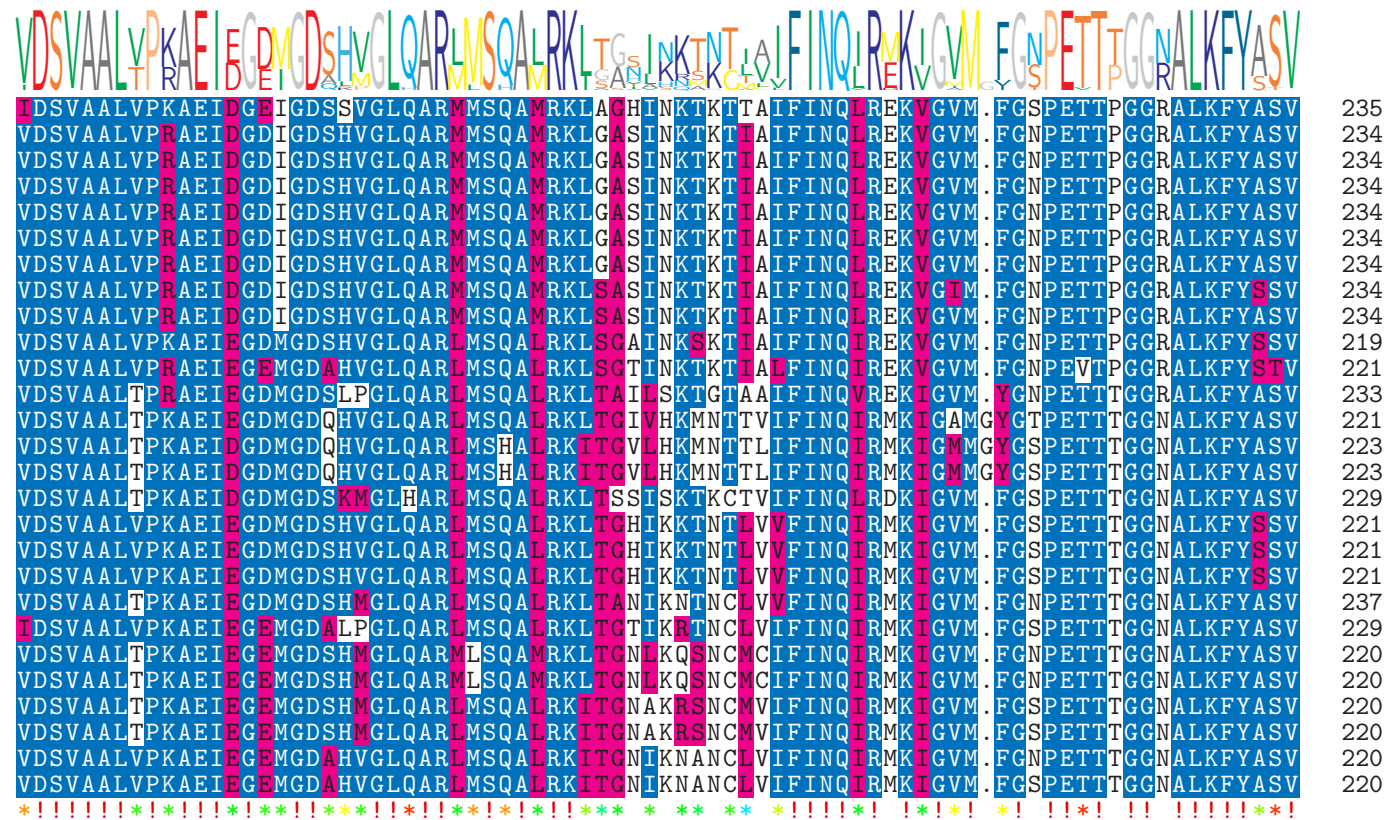
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consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	RLDVRG	STKIEEGS	.GDNKTQ	IGKITK	IKVVKN	KVAPPF	KVALV	DIMF	GEGIS	STGEL	INTAVE	EGIT	IKKSG	AWFAY	NDE	314				
NTDB id 269 KZH43 RS08665 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIAS	DLDI	IKKAG	AWYSY	KDE	313				
NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKN	KVAPPF	KEAVV	EIMY	GEGIS	KTGEL	LKIAS	DLDI	IKKAG	AWYSY	KDE	313				
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NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKN	KVAPPF	KEAFV	EIMY	GEGIS	KTGEL	LKIAS	DLDI	IKKAG	AWYSY	KDE	313				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKN	KVAPPF	KEAFV	EIMY	GEGIS	KTGEL	LKIAS	DLDI	IKKAG	AWYSY	KDE	313				
NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVVKN	KVAPPF	KEAFV	EIT	Y	GEGIS	R	TGEL	VKIAS	DLGI	IKKAG	AWYSYNGE	313			
NTDB id 453 Spy49 1753c ACI62003.1	RLDVRG	TTQIKGTG	.DQKDSN	IGKETK	IKVVKN	KVAPPF	KVAEV	EIMY	GEGIS	R	TGEL	VKIAS	DLDI	IKKAG	AWF	SYNGE	313			
NTDB id 115 BSU 16940 NP 389576.2	RLEVRRA	AEQLKQGN		DVMGN	KTIK	IKVVKN	KVAPPF	RTA	AEVD	IMY	GEGIS	KEGE	ITID	LGTE	LDIV	QKSGS	WYSYEEEE	294		
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NTDB id 1245 Cj1673c YP 002345041.1	RLDVRK	VAT....	L.KQNE	EEPI	GNRV	KVKVV	VKNKVAPPF	RQAEF	DVMF	GEGLS	R	EGEL	IDY	GVKLD	DIVDKS	GAW	F	SY	KDK	296
NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRI	AA....	L.KQNE	EQHIGN	RAKA	IKVVKN	KVAPPF	REAEF	DIMF	GEGIS	KEGE	ITIDY	GVKLD	DIVDKS	GAW	LSY	QDK			298
NTDB id 1211 C694 RS00795 WP 000963128.1	RIDIRRI	AS....	L.KQNE	EQHIGN	RAKA	IKVVKN	KVAPPF	REAEF	DIMF	GEGIS	KEGE	ITIDY	GVKLD	DIVDKS	GAW	LSY	QDK			298
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRS	LSDTGKIK	DKSGEV	IGNRT	TKV	VVKNKV	VAPPFK	SAEFD	DIMY	GEG	VSKV	GEILD	VATD	LDII	IQKSG	S	WFSY	QDT		309
NTDB id 1130 NGFG RS03960 WP 003688695.1	RLDIRR	TGS....	I.KKG	EEVLGN	ETRV	KVI	KNKVAPPF	RQAEF	DILY	GEGIS	WE	GELID	IGVKN	DI	INKSG	GAW	SY	NGA		296
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NTDB id 1123 OK783 RS03845 WP 003688695.1	RLDIRR	TGS....	I.KKG	EEVLGN	ETRV	KVI	KNKVAPPF	RQAEF	DILY	GEGIS	WE	GELID	IGVKN	DI	INKSG	GAW	SY	NGA		296
NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRR	CGV....	V.KDG	DEIIG	SETKV	VVVKN	KVAPPF	REVQ	FDIMY	GEGIS	RMNELL	ILAE	ANGFI	IKKSG	GAW	F	SY	DGT		312
NTDB id 1427 RS RS02760 WP 011000510.1	RLDIRR	IGS....	I.KKG	DEVVGN	ETKV	VVVKN	KVAPPF	REAI	FDILY	GAGVS	REGE	ITID	LGVE	AKVVE	EKSG	GAW	SY	NGE		304
NTDB id 1165 A1552VC RS01565 WP 000344154.1	RLDIRR	TGA....	I.KEG	EEVVG	NETRI	IKVVKN	KIAAPF	KEANTQ	IMY	Q	GFNR	REGEL	IDL	GVKHK	MVEKS	GAW	SY	NGD		295
NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRR	TGA....	I.KEG	EEVVG	NETRI	IKVVKN	KIAAPF	KEANTQ	IMY	Q	GFNR	REGEL	IDL	GVKHK	MVEKS	GAW	SY	NGD		295
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRR	IGQ....	V.KEG	DEIIG	SETKV	VVVKN	KMAPPF	REAI	FQILY	GKGT	NQLGEL	VDL	AVQQ	DIVQ	KAG	AW	SY	QGN		295
NTDB id 239932 CEK59 RS01390 WP 003092260.1	RLDIRR	TGA....	V.KEG	DEVVGS	ETRV	VVVKN	KVSPPF	RQAEF	QILY	GKGI	YRTGE	ITID	LG	VQLGL	VEKSG	GAW	SY	QGS		295
NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRR	TGA....	V.KEG	DEVVGS	ETRV	VVVKN	KVAPPF	RQAEF	QILY	GKGI	YRNGE	ITID	LG	VQQGL	VEKSG	GAW	Y	AYKGS		295
consensus	!***!*		*	*	*	*****!***!!*****!*	*		*****!*	*****	*****	***	***	! !*****!						

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NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	...	AS	TKAKAKKEEKAVETEEIELELED	...	387			
NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGS	ENAKKYLA	EHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENK	...	KDE	...	PKKEEA..VNEEVPLDLGDELE	383		
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 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
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	KIGQGN	ANACKYL	KENPEIAKTLD	DKKLREMLLN	PENPMQ	...	LIAETSSAA	DD	...	VEFGAVP	...EEF	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	KIGQGN	ANACKYL	KENPEIAKTLD	DKKLREMLLN	PENPMQ	...	LIAETSSAA	DD	...	VEFGAVP	...EEF	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGN	NVIRYLEENPQISTE	IEAVIREQLLTKASDQ	...	...	TAAMD	ETEE	PDLL	...	E	...S	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGN	NVIRYFEENNQIAEEIERN	IREQLLTTGTNG	...	...	AVQI	EDE	PDLL	...	L	...ES	349
NTDB id 239932 CEK59 RS01390 WP 003092260.1	KIGQGN	ANAAKYLEDNPEIGSVLEKT	IRDQLLAKSGPV	...	...	KADAE	EVADAE	AD	...	...	...	346
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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
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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 1313 DR RS12030 WP 010888966.1		363
NTDB id 1245 Cj1673c YP 002345041.1		343
NTDB id 1214 NCTC11637 00359 SQJ03206.1		347
NTDB id 1211 C694 RS00795 WP 000963128.1		347
NTDB id 1334 RAOC RS04870 WP 004918236.1		343
NTDB id 1130 NGFG RS03960 WP 003688695.1		348
NTDB id 1124 NGFG RS03960 WP 003688695.1		348
NTDB id 1123 OK783 RS03845 WP 003688695.1		348
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NTDB id 1205 PSJM300 05545 AFN77183.1		347
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved