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NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 222792 A6J95 RS03630 WP 003428218.1
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 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
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 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
NTDB id 1123 OK783 RS03845 WP 003688695.1
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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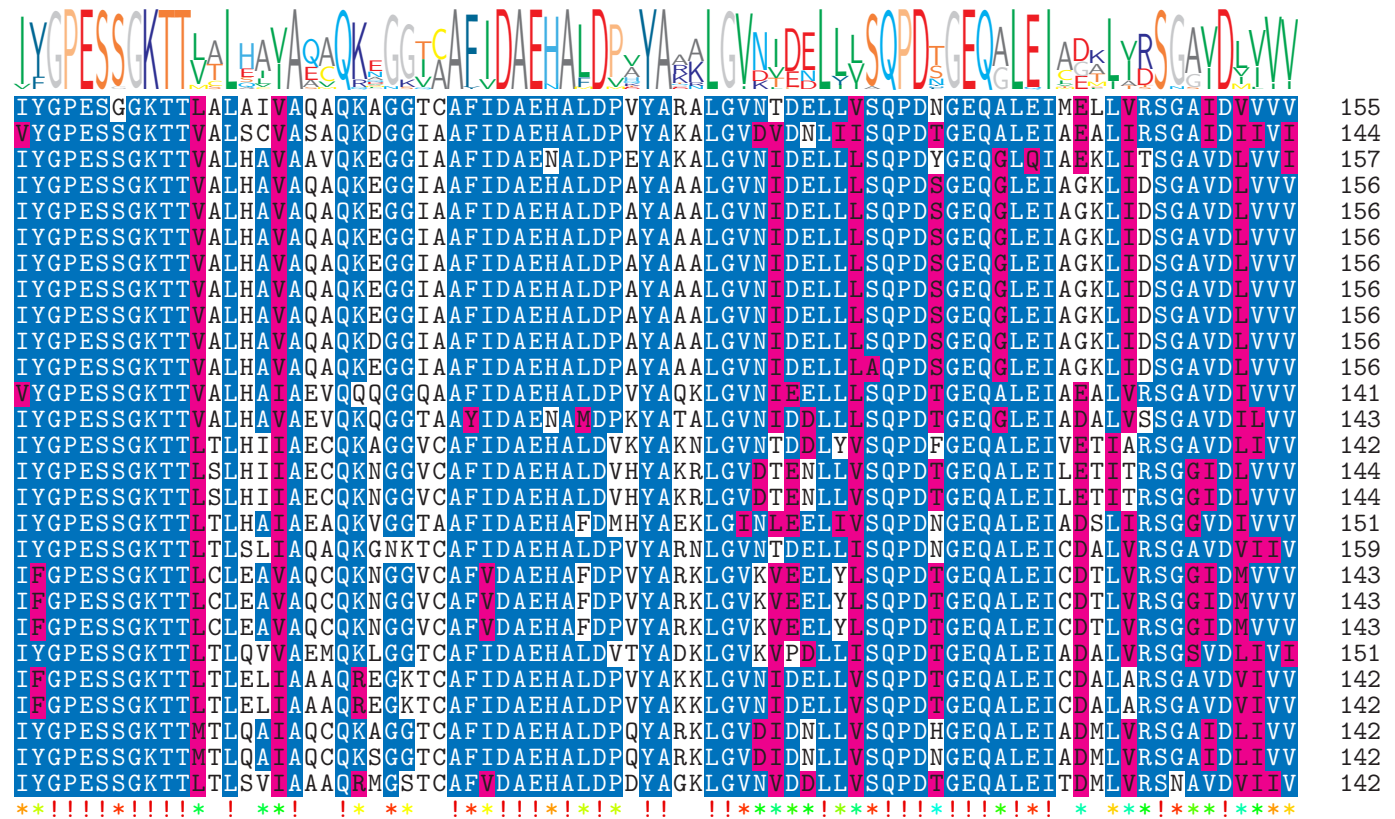
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NTDB id 1165 A1552VC RS01565 WP 000344154.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

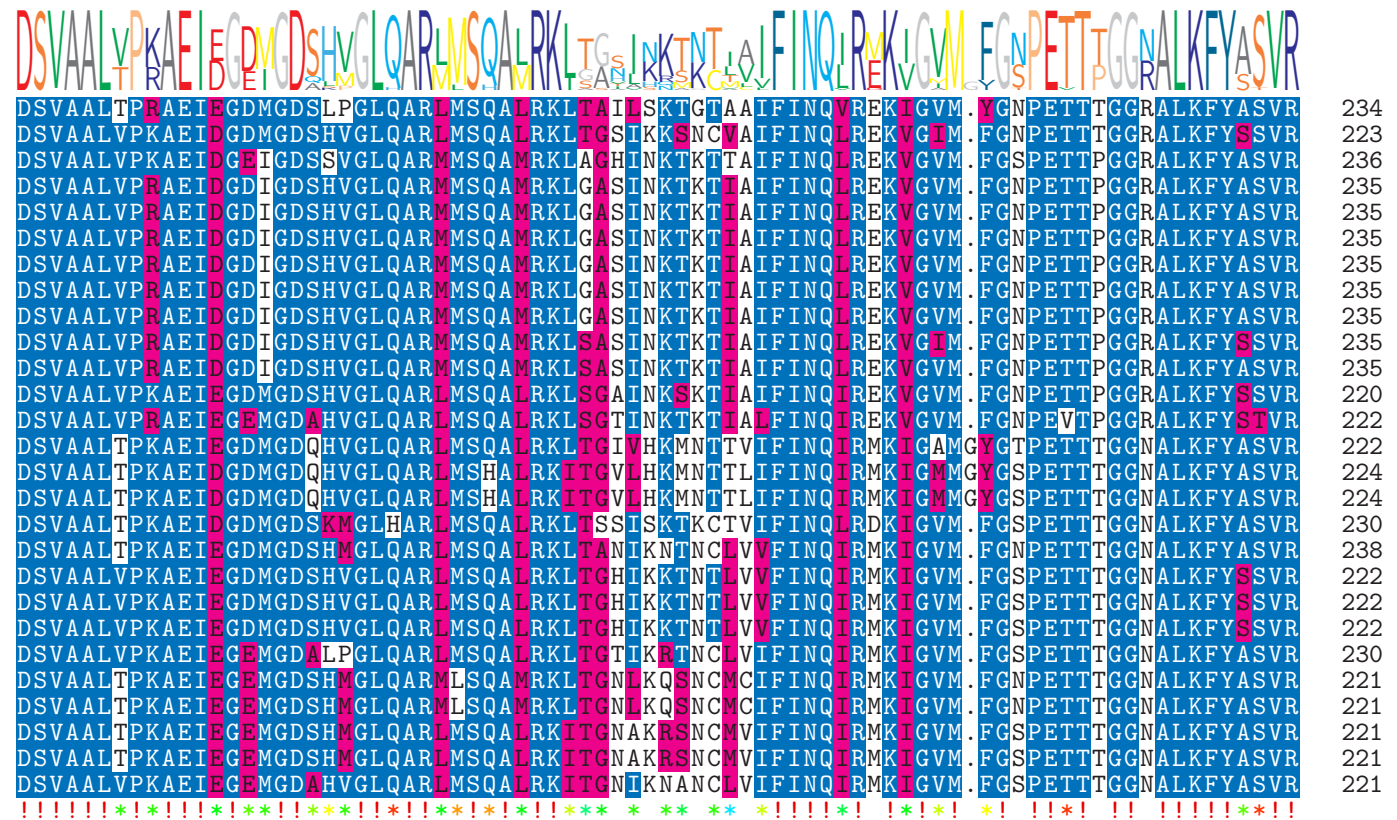
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NTDB id 159 SP RS09750 WP 001085462.1
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NTDB id 1427 RS RS02760 WP 011000510.1
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NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 1313 DR RS12030 WP 010888966.1	LDVRKIGQ....PTKVGND	AVANTV	IKTVKNKVA	APPFKE	VELAL	LVYGGK	GFDQLS	DLVGL	AADMD	ITKKAG	SFYSY	GDER	310		
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NTDB id 600 KW2 RS01765 WP 011675413.1	LDVRGSTKIEEGS.GDNKTQ	IGKIT	IKVVKNKV	VAPPFK	VALVD	DIMFGEG	ISSTG	ELLNIA	VEEGI	IKKSG	AWFAYN	DEK	315		
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NTDB id 228 SPD RS09265 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	VAPPFK	EAVVE	IMYGEG	ISKTG	ELLKIA	SDL	DIKKAG	AWYSY	KDEK	314		
NTDB id 194 SPR RS08825 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	VAPPFK	EAVVE	IMYGEG	ISKTG	ELLKIA	SDL	DIKKAG	AWYSY	KDEK	314		
NTDB id 159 SP RS09750 WP 001085462.1	LDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	VAPPFK	EAVVE	IMYGEG	ISKTG	ELLKIA	SDL	DIKKAG	AWYSY	KDEK	314		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKV	VAPPFK	EAFVE	IMYGEG	ISKTG	ELLKIA	SDL	DIKKAG	AWYSY	KDEK	314		
NTDB id 499 SM12261 RS08315 WP 078228268.1	LDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKV	VAPPFK	EAFVE	IMYGEG	ISKTG	ELLKIA	SDL	DIKKAG	AWYSY	KDEK	314		
NTDB id 408 SMU RS09530 WP 002262392.1	LDVRGNTQIKGTG.EQKDSN	IGKETK	IKVVKNKV	VAPPFK	EAFVE	IIYEGE	ISRTG	ELVKIA	SDLGI	IIQKAG	AWYSY	NGEK	314		
NTDB id 453 Spy49 1753c ACI62003.1	LDVRGTTQIKGTG.DQKDS	IGKETK	IKVVKNKV	VAPPFK	VAEVE	IMYGEG	ISRTG	ELVKIA	SDL	DIQKAG	AWFSY	NGEK	314		
NTDB id 115 BSU 16940 NP 389576.2	LEVRRAEQLKQGN.....D	VMGNK	TKIKVVKNKV	VAPPFR	TAEVD	DIMYGEG	ISKEGE	ITIDL	GTELD	DIVQKSG	SWSY	EEER	295		
NTDB id 625 LCA RS02525 WP 011374196.1	LEVRRAETIKNGT.....DM	IGNRA	RIKVVKNKV	VAPPFK	VAEVD	DIMYGG	ISRTG	GELVDM	AVEKD	IINKSG	SWSY	GSER	297		
NTDB id 1245 Cj1673c YP 002345041.1	LDVRKVAT....L.KQNEEP	IGNRV	KVVKNKV	VAPPFR	QAEFD	DVMFG	EGLSRE	GELIDY	GVKLD	IVDKSG	AWFSY	KDKK	297		
NTDB id 1211 C694 RS00795 WP 000963128.1	IDIRRIAS....L.KQNEQH	IGNRA	KA	KVVKNKV	VAPPFR	EAEFD	DIMFG	EGISKE	GEITD	YGVKLD	IVDKSG	AWLSY	QDKK	299	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	IDIRRIAA....L.KQNEQH	IGNRA	KA	KVVKNKV	VAPPFR	EAEFD	DIMFG	EGISKE	GEITD	YGVKLD	IVDKSG	AWLSY	QDKK	299	
NTDB id 1334 RAOC RS04870 WP 004918236.1	IDIRRSLSDTGKIKDKSGEV	IGNR	TKV	KVVKNKV	VAPPFK	SAEFD	DIMYGEG	VSKVGE	ILDVAT	DLDI	IQKSG	SWFSY	QDTK	310	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	LDIRRCGV....V.KDGEI	IGSETK	VKVVKNKV	VAPPFR	REVQF	DIMYGEG	ISRMN	ELLILA	EANGF	IKKSG	AWFSY	DGDK	313		
NTDB id 1130 NGFG RS03960 WP 003688695.1	LDIRRTGS....I.KKGEV	LGNETR	VKV	IKNV	VAPPFR	QAEFD	DILY	GEGISW	EGELID	IGVKND	IINKSG	AWYSY	NGAK	297	
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NTDB id 1123 OK783 RS03845 WP 003688695.1	LDIRRTGS....I.KKGEV	LGNETR	VKV	IKNV	VAPPFR	QAEFD	DILY	GEGISW	EGELID	IGVKND	IINKSG	AWYSY	NGAK	297	
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	LDIRRTGA....I.KEGEEV	VGN	ETRI	KVVKNK	IAAPF	KEANT	QIMYG	GGFNR	REGELID	LG	VKHKM	VEKSG	AWYSY	NGDK	296
NTDB id 1142 GTF74 RS11550 WP 000344154.1	LDIRRTGA....I.KEGEEV	VGN	ETRI	KVVKNK	IAAPF	KEANT	QIMYG	GGFNR	REGELID	LG	VKHKM	VEKSG	AWYSY	NGDK	296
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	LDIRRIGQ....V.KEGDEI	IGSETK	VKVVKNK	MAPPF	KEAI	FQILY	GKGN	NQLG	ELVD	LA	VQQN	IVQKAG	AWYSY	QGNK	296
NTDB id 1205 PSJM300 05545 AFN77183.1	LDIRRTGA....V.KEGDEV	VGS	ETRV	KVVKNKV	VAPPFR	QAEFQ	ILY	GKGIY	RNGE	IIDL	GVQQG	LVEKSG	AWYAY	KGSK	296
consensus	***!*	*	**	*****!*****!*****!*	*	*****!*****	*****	***	***	!*****!	*				

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NTDB id 1313 DR RS12030 WP 010888966.1	IGQGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAPAA.....PEAAEA.....	363
NTDB id 222792 A6J95 RS03630 WP 003428218.1	LGQGGRENVKKFLEDNLDLTTEIDEKVRAFYNLNEEHEESGTSVSKEIVE.....E.....	348
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NTDB id 499 SM12261 RS08315 WP 078228268.1	IGQGSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	IGQGSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IGQGSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNNGIEIED..	378
NTDB id 115 BSU 16940 NP 389576.2	LGQGGRENAKQFLKENKDIMLMIQEQIREHYGLDNGGVVQQAEETQEEL.EFE.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	IGQGGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
NTDB id 1245 Cj1673c YP 002345041.1	LGQGGRENKAFLEKENPEIADEITKAIQNSMGIEGMISGSEDD..EGEE.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	LGQGGRENAKALLKEDKALADEITLTIKESIGSNEEIMPLPDE..PLEEM.E.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	LGQGGRENAKALLKEDKALADEITLTIKESIGSNEEIMPLPDE..PLEEM.E.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	LGQGRDRTVKELTKDNPELAELEAKIREKLQAK.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	IGQGGKNNAVKWLEKENPEIADKLEQEIRNTLASNPNSVLKATASDSNDES.DVEEF.....SEEL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	IGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGER.....PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	IGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGER.....PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	IGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGDGER.....PEE.....	348
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	IGQGGKNNVIRYLEENPQISTEIEAVIREQLLTKASDQTAA.HDETEEEP.DLL.....ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	IGQGGKNNVIRYFEENNQIAEEIERNIREQLLTTGTNGAVQ.I.EDEEEP.DLL.....LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	IGQGGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADA.DI.....	347
consensus	*!!!!***** ** ***** ***** ** *	

- non conserved
- similar
- ≥ 50% conserved