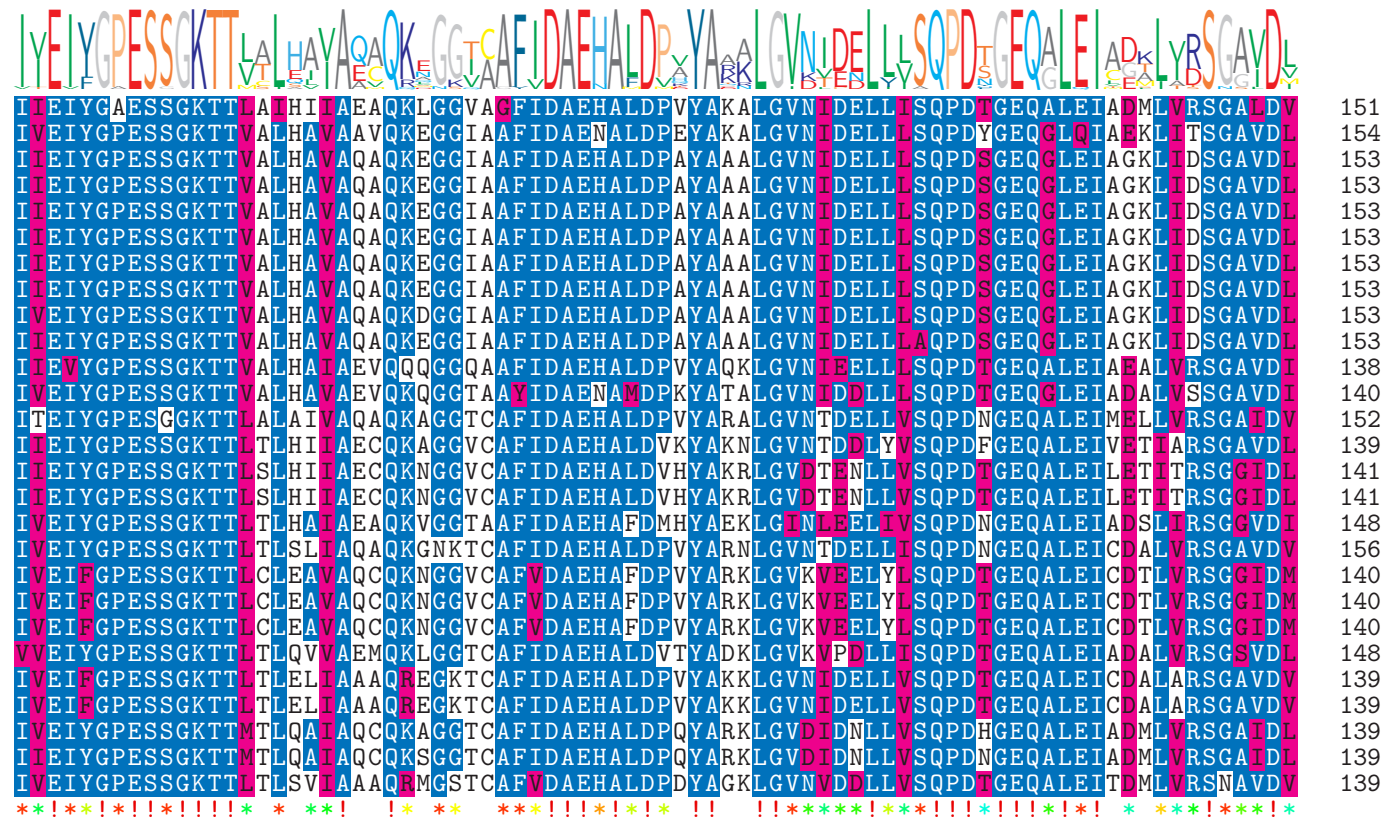


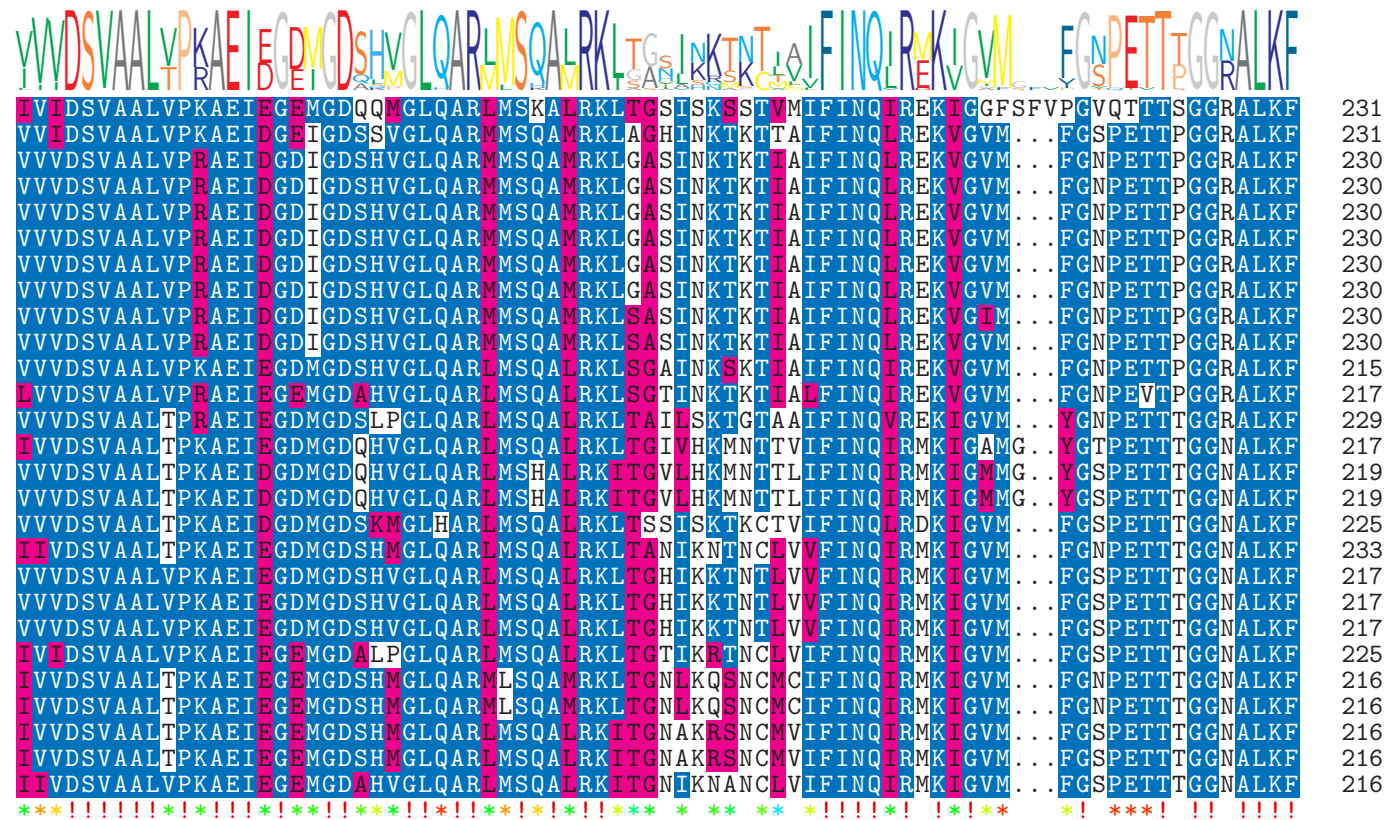
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consensus



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consensus



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NTDB id 228 SPD RS09265 WP 001085462.1	YASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVE	IMYGEGISKTGELLKIASDLDI	IKKAGAWYS	309	
NTDB id 194 SPR RS08825 WP 001085462.1	YASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVE	IMYGEGISKTGELLKIASDLDI	IKKAGAWYS	309	
NTDB id 159 SP RS09750 WP 001085462.1	YASVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVE	IMYGEGISKTGELLKIASDLDI	IKKAGAWYS	309	
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NTDB id 408 SMU RS09530 WP 002262392.1	YSSVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVE	IIYEGEGISRTGELVKIASDLGI	IQKAGAWYS	309	
NTDB id 453 Spy49 1753c ACI62003.1	YASVRLDVRGTTQIKGTG.DQKDSSIGKETKIKVVKNKVAPPFKVAEVE	IMYGEGISRTGELVKIASDLDI	IQKAGAWFS	309	
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NTDB id 1427 RS RS02760 WP 011000510.1	YASVRLDIRRIGS....I.KKGEDEVGNETKVVKNKVAPPFREAI	FDILYGAGVSREGEIIDLGVEAK	VVEKSGAWYS	300	
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NTDB id 1205 PSJM300 05545 AFN77183.1	YASVRLDIRRRTGA....V.KEGDEVVGSETRKKVVKNKVAPPFRQAEFQ	ILYGKGIYRNGEIIDLG	VQQGLVEKSGAWYA	291	
consensus	***!!*****	* ** *****!*****!*****!*****	*****!*****	*****	*** ! *****

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NTDB id 600 KW2 RS01765 WP 011675413.1	YNDEKIGQGAEKAKNYLKEHQDVFEIDHKKVRAAHGLLDDSEVAETEEETTASKTAKAKKEEKAVETEEIELELED...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	YKDEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELE	383
NTDB id 228 SPD RS09265 WP 001085462.1	YKDEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELE	383
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NTDB id 159 SP RS09750 WP 001085462.1	YKDEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELE	383
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NTDB id 408 SMU RS09530 WP 002262392.1	YNGEKIGQGSSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEEKQSSKEK.....ETDEK..ADKNLVLELDDTIE	380
NTDB id 453 Spy49 1753c ACI62003.1	YNGEKIGQGSSENAKKRYLADHPQLFDEIDRKVRVKFGLLEESEEEESAMAVASE.....E.....TDDLALDLNGIE	375
NTDB id 115 BSU 16940 NP 389576.2	YEEERLIGQGRSENAKQFLKENKDIMLMIQEIQIREHYGLDNNGVVQQQAETQEEL.EFE.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	YGSERIGQGRSENAKNYLADHEDVEDEVRLKVRVRAAYGTSADVPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
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NTDB id 1123 OK783 RS03845 WP 003688695.1	YNGAKIGQGRKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGTQDETGE..R.....PEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	YNGERIGQGRDNCREFLRENAELAREIENKVREHLGVTPMG....AVTLA.EEVEE..D.....	352
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	YNGDKIGQGRKANACKYLLKENPEIAKTLDDKKLREMLLNPENM....QLIAETSSAAD..DVEFGAVPEEF.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	YQGNKIGQGRKNNVIRYFEENNQIAEEIERNIREQLLTKASD....QTAA.HDETEE..EPDLL..ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	YQGNKIGQGRKNNVIRYFEENNQIAEEIERNIREQLLTTGTN....GAVQ.I.EDEE..EPDLL..LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	YKGSKIGQGRKANAAKYLEENPEIGQEIEQQIRAKLLVTSAN....TKATPVAEDLA..DADI.....	347
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NTDB id 269	KZH43 RS08665 WP 001085462.1	IEIEE	388
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NTDB id 194	SPR RS08825 WP 001085462.1	IEIEE	388
NTDB id 159	SP RS09750 WP 001085462.1	IEIEE	388
NTDB id 527	SMSK321 RS11065 WP 001085454.1	IEIEE	384
NTDB id 499	SM12261 RS08315 WP 078228268.1	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 625	LCA RS02525 WP 011374196.1		355
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NTDB id 1245	Cj1673c YP 002345041.1		343
NTDB id 1211	C694 RS00795 WP 000963128.1		347
NTDB id 1214	NCTC11637 00359 SQJ03206.1		347
NTDB id 1334	RAOC RS04870 WP 004918236.1		343
NTDB id 1389	A4U84 RS07560 WP 021112712.1		372
NTDB id 1130	NGFG RS03960 WP 003688695.1		348
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NTDB id 1123	OK783 RS03845 WP 003688695.1		348
NTDB id 1427	RS RS02760 WP 011000510.1		352
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NTDB id 1022	ACIAD RS06390 WP 004925639.1		349
NTDB id 1074	ABD1 RS10195 WP 000344167.1		349
NTDB id 1205	PSJM300 05545 AFN77183.1		347
consensus			

- X non conserved
- X similar
- X ≥ 50% conserved