

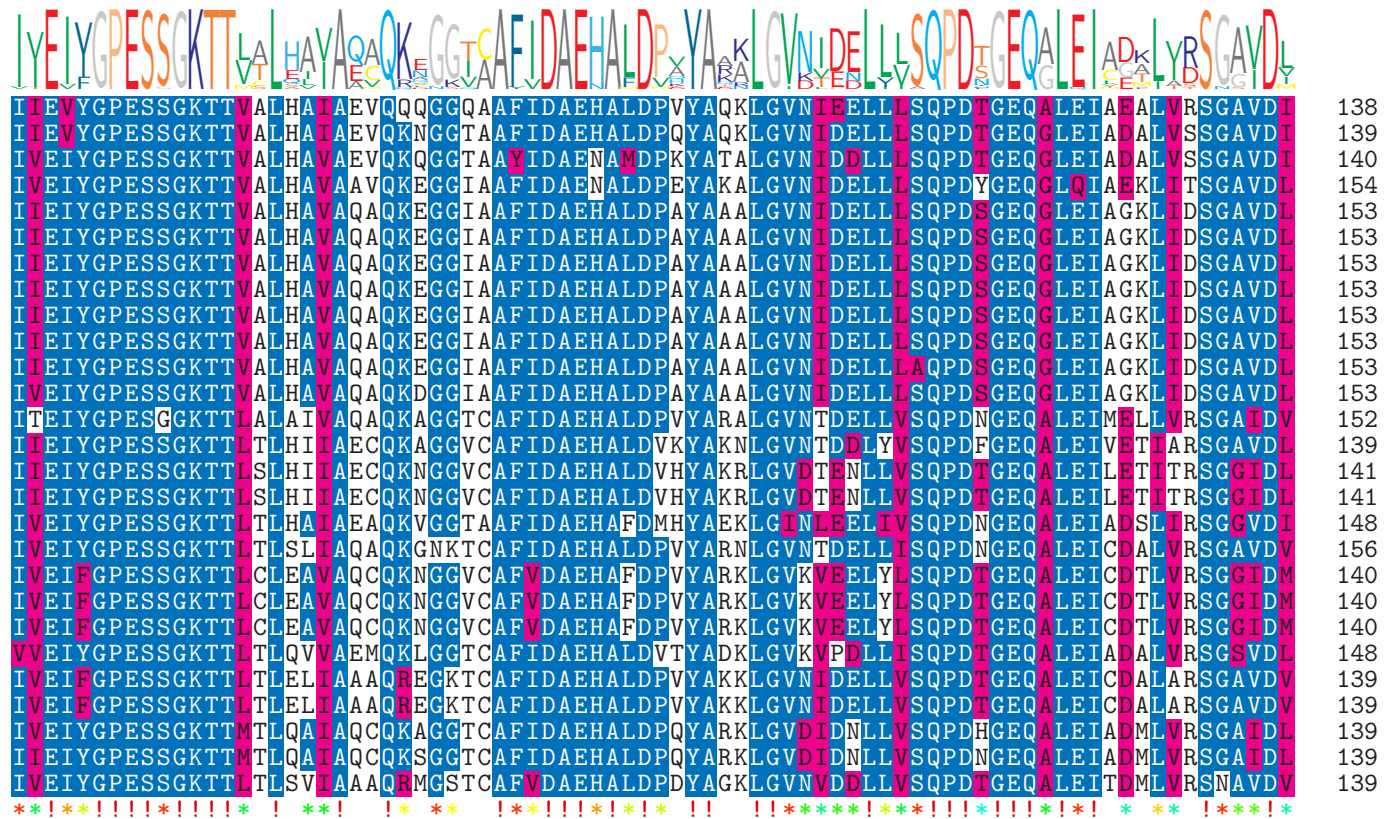
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NTDB id 115 BSU 16940 NP 389576.2	MS	DRQAALDMALKQ	IEKQ	FGKGSIMKLGEK	.TDTR	ISTV	SGSLALD	TALG	IGGYPRGR	58	
NTDB id 202979 BK413 RS13595 WP 002287328.1	MA	DDRKAALDAALKK	IEKS	YGKGSIMKLGEK	.IDQQ	ISTIP	SGSLALD	VALG	VGGYPRGR	59	
NTDB id 625 LCA RS02525 WP 011374196.1	MAK	DERQAALDAALKK	IEKN	FGKGSIMRMGEK	.VDTQ	VSTV	SGSLALD	DEAL	GVGGYPRGR	60	
NTDB id 600 KW2 RS01765 WP 011675413.1	MATK.....	KKTNFDDITKKYGA	ERDKALAD	ALAL	IEKDFGKGSIMRLGEA	.ANQKVS	VSSGSLALD	TALG	GAGGYPKGR	74	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKDFGKGSIMRLGER	.AEQKVQ	VMSGSLALD	TALG	SGGYPKGR	73	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKDFGKGSIMRLGER	.AEQKVQ	VMSGSLALD	TALG	SGGYPKGR	73	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKDFGKGSIMRLGER	.AEQKVQ	VMSGSLALD	TALG	SGGYPKGR	73	
NTDB id 159 SP RS09750 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKDFGKGSIMRLGER	.AEQKVQ	VMSGSLALD	TALG	SGGYPKGR	73	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK.....	KPKKLDEISKKFGA	EREKALND	ALKL	IEKDFGKGSIMRLGER	.AEQKVQ	VMSGSLALD	TALG	SGGYPKGR	73	
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK.....	KPKKLDEISKKFGA	EREKALND	ALKL	IEKDFGKGSIMRLGER	.AEQKVQ	VMSGSLALD	TALG	SGGYPKGR	73	
NTDB id 453 Spy49 1753c ACI62003.1	.MAK.....	KLKKNEEITKKFG	DERRKALDD	ALKN	IEKDFGKGAVMRLGER	.AEQKVQ	VMSGSLALD	TALG	GAGGYPKGR	73	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK.....	RIKKTEEITKKFG	DERKKALDD	ALKN	IEKDFGKGAVMRLGER	.AEQKVQ	VMSGSLALD	TALG	GAGGYPKGR	73	
NTDB id 1313 DR RS12030 WP 010888966.1	MSK	DATKEISAPTD	AKERSKAT	ETAMSQ	IEKA	FGKGSIMKLGA	E.SKLDVQV	VSTGSL	SLDLALGVGGIPRGR	72	
NTDB id 1245 Cj1673c YP 002345041.1	MD	DNKRKSLDA	ALKS	LDKT	FGKGTILRLGDK	.EVEQ	IDSIGT	GSVGLDLALG	IGGVPKGR	59	
NTDB id 1211 C694 RS00795 WP 000963128.1	MAID	EDKQKATISLA	IKQ	IDKV	FGKGALVRLGDK	.QVEK	IDSIST	GSLGLDLALG	IGGVPKGR	61	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAID	EDKQKATISLA	IKQ	IDKV	FGKGALVRLGDK	.QVEK	IDAIST	GSLGLDLALG	IGGVPKGR	61	
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..	ETTSNP	DDKKKALAAVLEK	LDKT	YGKGTVMKLG	DGTVDHNI	EVIP	SGSLGLDLALG	VGGYPKGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..	VKQVEP	EKKKQALEAALA	Q	IEKQ	FGKGSIMKLQGT	.EQLD	IESVSTGSLGLDLALG	IGGLPMGR	76	
NTDB id 1130 NGFG RS03960 WP 003688695.1	MS	DDKSKALAAALA	Q	IEKS	SFGKGAIMKMDGSQ	Q	Q	Q	EENLEVISTGSLGLDLALG	VGGLPRGR	60
NTDB id 1124 NGFG RS03960 WP 003688695.1	MS	DDKSKALAAALA	Q	IEKS	SFGKGAIMKMDGSQ	Q	Q	Q	EENLEVISTGSLGLDLALG	VGGLPRGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MS	DDKSKALAAALA	Q	IEKS	SFGKGAIMKMDGSQ	Q	Q	Q	EENLEVISTGSLGLDLALG	VGGLPRGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....	K..KAASMSA	EKKKALAAALA	Q	IEKQ	FGKGSIMKMGDA	.EVEPVQV	VSTGSLGLD	VALGVGGLPRGR	68	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MD	ENKQKALAAALGQ	IEKQ	FGKGSIMRLGDN	.RAMDVET	ISTGSL	SLDLALG	GAGGLPMGR		59	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MD	ENKQKALAAALGQ	IEKQ	FGKGSIMRLGDN	.RAMDVET	ISTGSL	SLDLALG	GAGGLPMGR		59	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MD	DNKSKALQAALSQ	IEKQ	FGKNTVMRLGDN	.TVQAVEA	VSTGSLTLD	TALG	IGGLPKGR		59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MD	ENKSKALQAALSQ	IEKQ	FGKNTVMRLGDN	.TVQAVEA	VSTGSLTLD	TALG	IGGLPKGR		59	
NTDB id 1205 PSJM300 05545 AFN77183.1	MD	ENKKRALAAALGQ	IEKQ	FGKGAVMRMGDH	.DRQAIPS	ISTGSLGLD	TALG	IGGLPKGR		59	
consensus		*** **	*	***	***	*****	*	*****	***		

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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 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 1313 DR RS12030 WP 010888966.1
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 RA0C 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
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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consensus



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consensus

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NTDB id 115 BSU 16940 NP 389576.2	EERIGQGRENAKQFLKENKDIIMLMIQEQIREHYGLDNNGVVQQQAETQEEL.....EFEE.....	348
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NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTE.DEQI.....NILPDDSTEE..	355
NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGAEKAKNYLKEHQDVFDEIDHKVRAAHGLDDSEVAETEEETTASKTAKAKKEEKAVETEEIELELED.....	387
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NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
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NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGSSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIE	381
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGSSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEEEESAMAVASE.....E.....TDDLALDLNGIEIE	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGSSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELE	382
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGGKNNAVKWLKENPEIADKLEQEIRNTLASNPNS....VLKATASDSNDES.....DVEEFSEEL...	372
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NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGTQDETGDGER.....PEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGRDNCREFLRENAELAREIENKVREHLGVTPMG....AVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGGKANACKYLVKENPEIAKTLDDKKLREMLLNPENM....QLIAETSSAADDV.....EFGAVPEEF....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGGKANACKYLVKENPEIAKTLDDKKLREMLLNPENM....QLIAETSSAADDV.....EFGAVPEEF....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTGASD....QTAA.HDETEEEP.....DLL..ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTGASD....GAVQ.I.EDEEEP.....DLL..LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGGKANAAKYLVLENPEIGQEIEQQIRAKLLVTSAN....TKATPVAEDLADA.....DI.....	347
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NTDB id 115 BSU 16940 NP 389576.2	...		348
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NTDB id 194 SPR RS08825 WP 001085462.1	IEE		388
NTDB id 159 SP RS09750 WP 001085462.1	IEE		388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE		384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE		384
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NTDB id 1205 PSJM300 05545 AFN77183.1	...		347
consensus			

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