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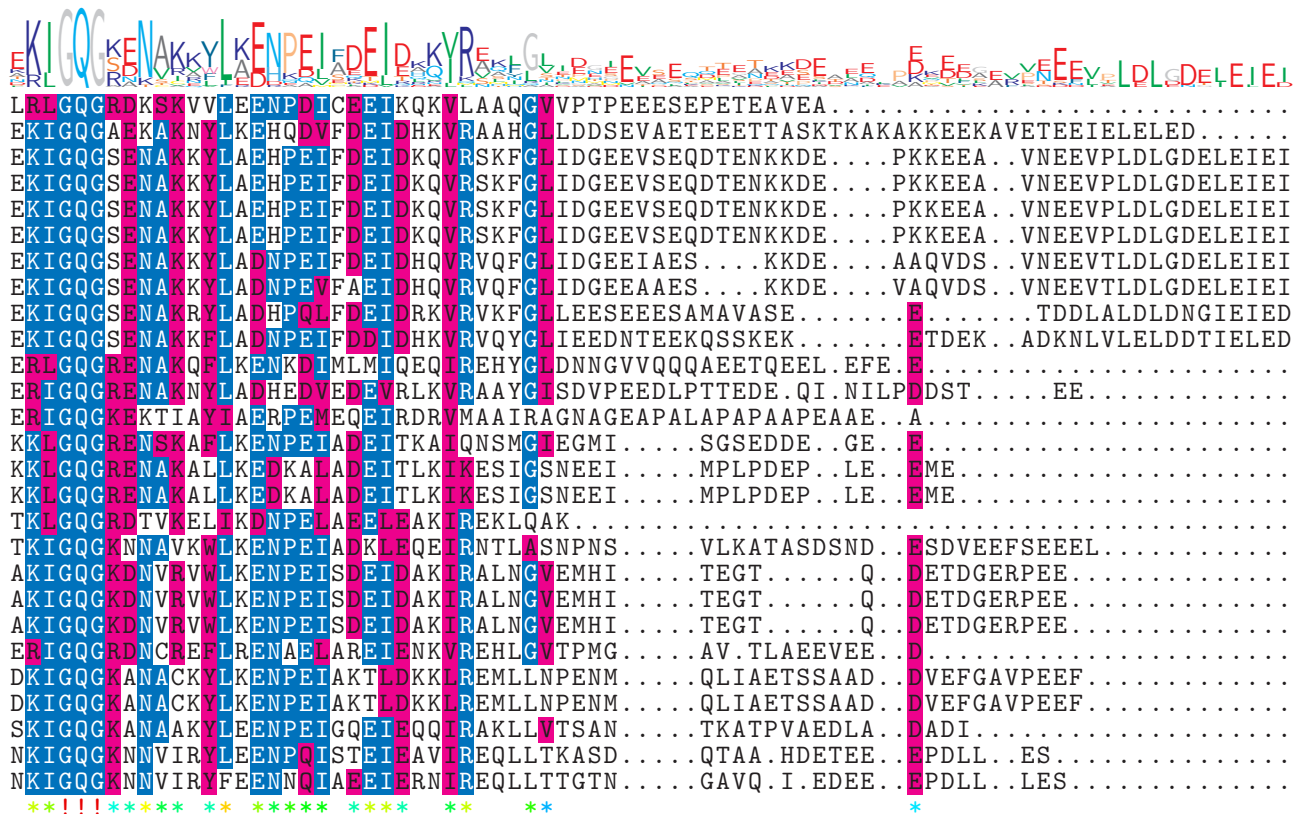


NTDB id 386624 F1729 RS23130 WP 002649160.1	VRVDVRRRIATLKDGD....TVT	GIRMKAKIVKMKIAPPFR	IAEFDMLTTGGIN	YELDLIDLAVENKIVKKS	GSWFSYGE	311					
NTDB id 600 KW2 RS01765 WP 011675413.1	VRLDVVGSTKIEEGS.GDNKTQI	GKITKIKVVKNKVAPPFK	VALVDIMFGEGISSTGELLN	IAVEEGI	IKKSGAWFAYND	313					
NTDB id 269 KZH43 RS08665 WP 001085462.1	VRLDVVGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EAVVEIMYGEGISKTGELLK	IASDLDI	IKKAGAWYSYKD	312					
NTDB id 228 SPD RS09265 WP 001085462.1	VRLDVVGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EAVVEIMYGEGISKTGELLK	IASDLDI	IKKAGAWYSYKD	312					
NTDB id 194 SPR RS08825 WP 001085462.1	VRLDVVGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EAVVEIMYGEGISKTGELLK	IASDLDI	IKKAGAWYSYKD	312					
NTDB id 159 SP RS09750 WP 001085462.1	VRLDVVGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFK	EAVVEIMYGEGISKTGELLK	IASDLDI	IKKAGAWYSYKD	312					
NTDB id 499 SM12261 RS08315 WP 078228268.1	VRLDVVGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFK	EAFVEIMYGEGISKTGELLK	IASDLDI	IKKAGAWYSYKD	312					
NTDB id 527 SMSK321 RS11065 WP 001085454.1	VRLDVVGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFK	EAFVEIMYGEGISKTGELLK	IASDLDI	IKKAGAWYSYKD	312					
NTDB id 453 Spy49 1753c ACI62003.1	VRLDVVGTTQIKGTG.DQKDS	IGKETKIKVVKNKVAPPFK	VAEVEIMYGEGISRTGELVK	IASDLDI	IKKAGAWFSYNG	312					
NTDB id 408 SMU RS09530 WP 002262392.1	VRLDVVGNTQIKGTG.EQKDS	NI	GKETKIKVVKNKVAPPFK	EAFVEIITYGEGISRTGELVK	IASDLGIIQKAGAWYSYNG	312					
NTDB id 115 BSU 16940 NP 389576.2	VRLEVRRRAEQLKQGN.....	DVMGNKTKIKVVKNKVAPPFR	TAEVDIMYGEGISKEGEI	IDLGTEL	DIVQKSGSWYSYEE	293					
NTDB id 625 LCA RS02525 WP 011374196.1	VRLEVRRRAETIKNGT.....	DMIGNRARIKVVKNKVAPPFK	VAEVDIMYGGISRTGELV	DMAVEKDI	INKSGSWYSYGS	295					
NTDB id 1313 DR RS12030 WP 010888966.1	VRLDVVRKIGQ....PTKVGND	AVANTVKI	KTVKNKVAAPFKEVELAL	VYGGGFDQLSDLVGLA	ADMDI	IKKAGSFYSYGD	308				
NTDB id 1245 Cj1673c YP 002345041.1	VRLDVVRKIVAT....L.KQNE	EPIGNRVKIKVVKNKVAPPFR	QAEFDVMFGELSR	EGELIDYGVKLD	DIVDKSGAWFSYKD	295					
NTDB id 1211 C694 RS00795 WP 000963128.1	VRIDIRRIAS....L.KQNE	QHIGNRAKAKVVKNKVAPPFR	EAEFDIMFGEGISKEGEI	IDYGVKLD	DIVDKSGAWLSYQD	297					
NTDB id 1214 NCTC11637 00359 SQJ03206.1	VRIDIRRIAA....L.KQNE	QHIGNRAKAKVVKNKVAPPFR	EAEFDIMFGEGISKEGEI	IDYGVKLD	DIVDKSGAWLSYQD	297					
NTDB id 1334 RAOC RS04870 WP 004918236.1	VRIDIRRSLSDTGKIKDKS	GEVIGNRTKIKVVKNKVAPPFK	SAEFDIMYGEGVSKVGEI	LDVATDLDI	IQKSGSWFSYQD	308					
NTDB id 1389 A4U84 RS07560 WP 021112712.1	VRLDIRRCGV....V.KDG	DEIIGSETKIKVVKNKVAPPFR	EVQFDIMYGEGISRMNELL	LILAEANGFI	IKKSGAWFSYDG	311					
NTDB id 1130 NGFG RS03960 WP 003688695.1	VRLDIRRTGS....I.KKG	EEVLGNETRVKVIKKNVAPPFR	QAEFDILYGEGISWEGEL	IDIGVKNDI	INKSGAWYSYNG	295					
NTDB id 1124 NGFG RS03960 WP 003688695.1	VRLDIRRTGS....I.KKG	EEVLGNETRVKVIKKNVAPPFR	QAEFDILYGEGISWEGEL	IDIGVKNDI	INKSGAWYSYNG	295					
NTDB id 1123 OK783 RS03845 WP 003688695.1	VRLDIRRTGS....I.KKG	EEVLGNETRVKVIKKNVAPPFR	QAEFDILYGEGISWEGEL	IDIGVKNDI	INKSGAWYSYNG	295					
NTDB id 1427 RS RS02760 WP 011000510.1	VRLDIRRIGS....I.KKG	DEVVGNETKIKVVKNKVAPPFR	EAEFDILYGAGVSR	EGEIIDLGVEAKV	VEKSGAWYSYNG	303					
NTDB id 1165 A1552VC RS01565 WP 000344154.1	VRLDIRRTGA....I.KEG	EEVVGNETRIKVVKNKI	AAPFKEANTQIMYGGFN	REGELIDLGVKHK	MVEKSGAWYSYNG	294					
NTDB id 1142 GTF74 RS11550 WP 000344154.1	VRLDIRRTGA....I.KEG	EEVVGNETRIKVVKNKI	AAPFKEANTQIMYGGFN	REGELIDLGVKHK	MVEKSGAWYSYNG	294					
NTDB id 1205 PSJM300 05545 AFN77183.1	VRLDIRRTGA....V.KEG	DEVVGS	ETRVKVVKNKVAPPFR	QAEFQILYGKGIYRN	GEIIDLGVQQGL	VEKSGAWAYYK	294				
NTDB id 1022 ACIAD RS06390 WP 004925639.1	VRLDIRRIGQ....V.KEG	DEIIGSETKIKVVKNKM	APPFREAI	FQILYGKGVNQLGEL	VDLAVQQNIV	QKAGAWYSYQG	294				
NTDB id 1074 ABD1 RS10195 WP 000344167.1	VRLDIRRIGQ....V.KEG	DEIIGSETKIKVVKNKM	APPFKEAIFQILYGK	GTNQLGELVDLAVQQ	DIVQKAGAWYSYQG	294					
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 NTDB id 159 SP RS09750 WP 001085462.1
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 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
 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 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
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 NTDB id 1022 ACIAD RS06390 WP 004925639.1
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NTDB id 228 SPD RS09265 WP 001085462.1	EE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EE	388
NTDB id 159 SP RS09750 WP 001085462.1	EE	388
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE	384
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NTDB id 625 LCA RS02525 WP 011374196.1	..	355
NTDB id 1313 DR RS12030 WP 010888966.1	..	363
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	..	372
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consensus

X non conserved
X similar
X ≥ 50% conserved