

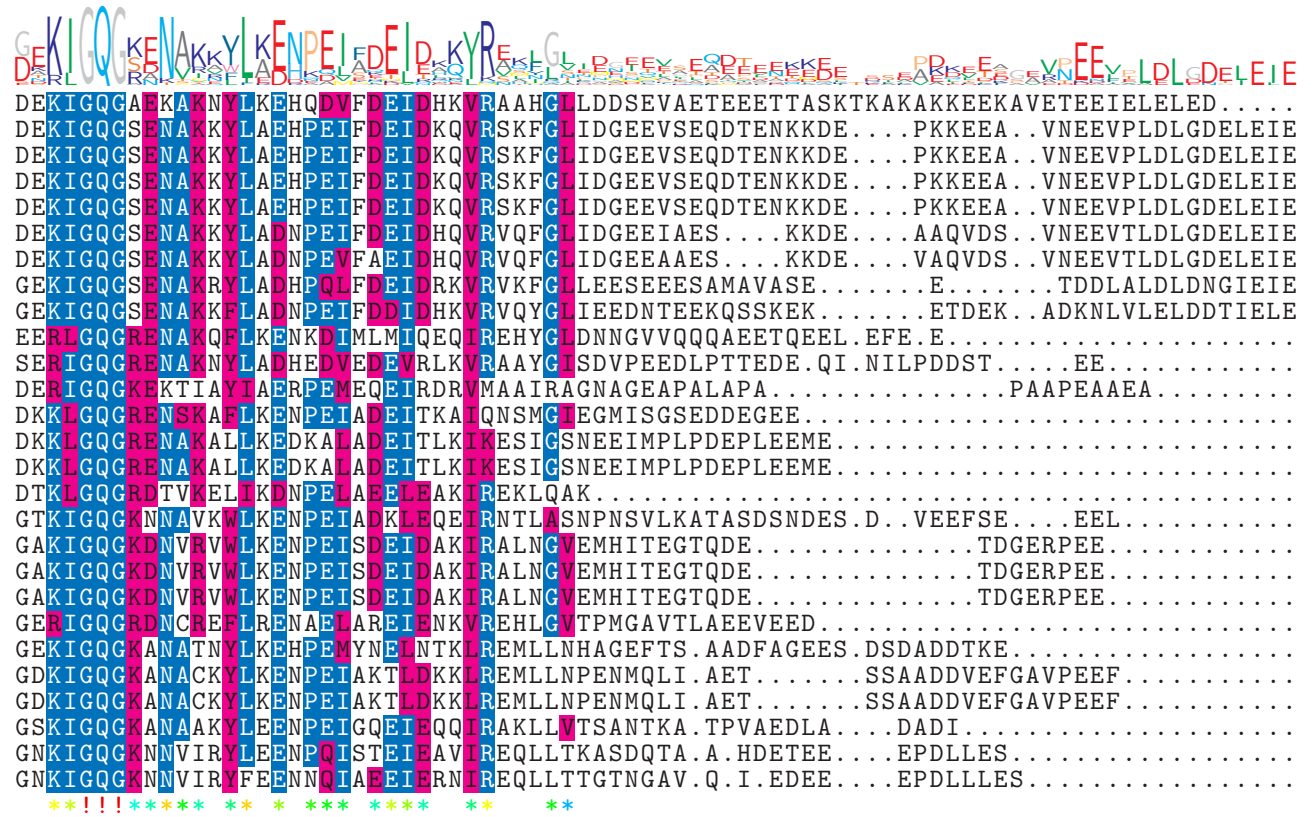
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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGK	ITKI	IKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGI	TKKSGAWFAYN	312					
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDI	TKKAGAWYSYK	311					
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDI	TKKAGAWYSYK	311					
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDI	TKKAGAWYSYK	311					
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDI	TKKAGAWYSYK	311					
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDI	TKKAGAWYSYK	311					
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDI	TKKAGAWYSYK	311					
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDS	IGKETK	IKVVKNKVAPPFKVAEVEIMYEGISRTGELVKIASDLDI	TKKAGAWFSYN	311					
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDS	IGKETK	IKVVKNKVAPPFKEAFVEIIMYGEGISRTGELVKIASDLGI	TKKAGAWYSYN	311					
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....	DVMGNKTK	IKVVKNKVAPPFRTAEVDIMYGEGISKEGEITDLGTELDIV	QKSGSWYSYE	292					
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT.....	DMIGNRAR	IKVVKNKVAPPFKVAEVDIMYGGISRTGELVDMAVEKDI	INKSGSWYSYG	294					
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVG	NDAVANTVKIK	TVKNKVAAPFKEVELALVYGGKGFQDLSDLVGLAADMDI	TKKAGSFYSYG	307					
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQN	EPIGNRVK	IKVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIV	DKSGAWFSYK	294					
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNE	QHIGNRAK	IKVVKNKVAPPFRQAEFDIMFGEGISKEGEITDYGVKLDIV	DKSGAWLSYQ	296					
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNE	QHIGNRAK	IKVVKNKVAPPFRQAEFDIMFGEGISKEGEITDYGVKLDIV	DKSGAWLSYQ	296					
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLS	DTGKIKDKSGEVIGNRTK	IKVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDI	TKKSGSWFSYQ	307					
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDG	DEIIGSETK	IKVVKNKVAPPFRQAEFDIMYGEGISRMNELLILAEANGFI	TKKSGAWFSYD	310					
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGNETR	VKVIKKNVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDI	INKSGAWYSYN	294					
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGNETR	VKVIKKNVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDI	INKSGAWYSYN	294					
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGNETR	VKVIKKNVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDI	INKSGAWYSYN	294					
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKG	DEVVGNETR	KIKVVKNKVAPPFRQAEFDILYEGAGVSRREGELIDLGVEAKV	VEKSGAWYSYN	302					
NTDB id 379344 FVP19 RS05375 WP 004247401.1	SVRLDIRRIGS....V.KNG	DEVIGSETR	VKVVKNKVAAPFKQAEFQIMYGEGINTYGELIDLGVKHKL	VEKAGAWYSYN	295					
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEVLGNETR	IKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKM	VEKSGAWYSYN	293					
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEVLGNETR	IKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKM	VEKSGAWYSYN	293					
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEG	DEVVGNETR	VKVVKNKVAPPFRQAEFQILYGGKGIYRNGEITDLGVQQGL	VEKSGAWAYK	293					
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEG	DEIIGSETK	VKVVKNKMAPPFRQAEFQILYGGKGVNQLGELVDLAVQQN	IVQKAGAWYSYQ	293					
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEG	DEIIGSETK	VKVVKNKMAPPFKAEAFQILYGGKGTNQLGELVDLAVQQN	IVQKAGAWYSYQ	293					
consensus	*!!**!*!	*	**	*****!*****!*****!*	*	*****!*****	*****	**	*****	!*****!

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NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
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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 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 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1205 PSJM300 05545 AFN77183.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383
NTDB id 115 BSU 16940 NP 389576.2	...	348
NTDB id 625 LCA RS02525 WP 011374196.1	...	355
NTDB id 1313 DR RS12030 WP 010888966.1	...	363
NTDB id 1245 Cj1673c YP 002345041.1	...	343
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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 1427 RS RS02760 WP 011000510.1	...	352
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
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consensus

 non conserved
 similar
 ≥ 50% conserved