

NTDB	id	600	KW2	RS01765	WP	011675413.1	MATK		KKTNFDDITKKYGA	ERD	KAL	ADAL	AL	IEKD	FGKGS	SLMRLGEA	.ANQK	VSV	VSSGSL	ALDI	I	ALG	AGGY	PKGR	74				
NTDB	id	269	KZH43	RS08665	WP	001085462.1	.MAK	.....	KPKKLEEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	228	SPD	RS09265	WP	001085462.1	.MAK	.....	KPKKLEEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	194	SPR	RS08825	WP	001085462.1	.MAK	.....	KPKKLEEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	159	SP	RS09750	WP	001085462.1	.MAK	.....	KPKKLEEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	499	SM12261	RS08315	WP	078228268.1	.MAK	.....	KPKKLDEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	.MAK	.....	KPKKLDEISKKFGA	ERE	KAL	NDAL	KL	IEKD	FGKGS	SIMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALGS	GGY	PKGR	73					
NTDB	id	453	Spy49	1753c	ACI62003.1		.MAK	.....	KLKKNEEITKKFGD	ERR	KAL	DDAL	KN	IEKD	FGKGA	VMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALG	AGGY	PKGR	73					
NTDB	id	408	SMU	RS09530	WP	002262392.1	.MAK	.....	RIKKTEEITKKFGD	ERR	KAL	DDAL	KN	IEKD	FGKGA	VMRLGER	.AEQKVQVM	SSSGSL	ALDI	I	ALG	AGGY	PKGR	73					
NTDB	id	625	LCA	RS02525	WP	011374196.1	.....	.....	MAKD	ERQA	AL	DAAL	KI	IEKN	FGKGS	SIMRMGEK	.VDTQVST	VSSGSL	ALDE	I	ALGV	GGY	PKGR	60					
NTDB	id	228206	B4893	RS06250	WP	000368166.1	.....	.....	MDN	DRQ	KAL	DTVI	KN	MEKS	FGKGA	VMKLGDN	.IGRRVSTT	STGSV	TLDN	I	ALGV	GGY	PKGR	59					
NTDB	id	115	BSU	16940	NP	389576.2			MS	DRQA	AL	DMAL	KQ	IEKQ	FGKGS	SIMKLGEK	.TDTRI	STVPS	GSL	ALDT	I	ALGI	GGY	PKGR	58				
NTDB	id	1313	DR	RS12030	WP	010888966.1			MSKDATKEISAP	TD	AKERS	SKAL	IET	AMS	QIEK	AFGKGS	SIMKLGAE	.SKLDV	QVVS	TGSL	S	LDL	I	ALGV	GGIP	PKGR	72		
NTDB	id	1245	Cj1673c	YP	002345041.1				MDDN	KRK	SL	DAAL	KS	LD	KTFG	KGTIL	RLRGDK	.EVEQIDS	IGTGS	VGLD	I	ALGI	GGV	PKGR	59				
NTDB	id	1211	C694	RS00795	WP	000963128.1			MAID	DKQA	KAL	ISLA	IKQ	ID	KVFG	KGALVRLGDK	.QVEKIDS	ISTGSL	G	LDL	I	ALGI	GGV	PKGR	61				
NTDB	id	1214	NCTC11637	00359	SQJ03206.1				MAID	DKQA	KAL	ISLA	IKQ	ID	KVFG	KGALVRLGDK	.QVEKIDS	ISTGSL	G	LDL	I	ALGI	GGV	PKGR	61				
NTDB	id	1334	RAOC	RS04870	WP	004918236.1			MAKT	..	ETTP	SPND	DKK	KALAAV	LEKLD	KTYG	KGTVM	KLGD	GTVDHN	IDEA	IP	S	GSL	LDL	I	ALGV	GGY	PKGR	68
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	.MAEN	KKSSKN	NTV	.VKQ	VEPE	QKKQ	AL	EAAL	AQIEKQ	FGKGS	SIMKLGQT	.EQLDIES	VSTGSL	G	LDL	I	ALGI	GGL	PMGR	76			
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	.....	.....	MSD	DKS	KALAAAL	AQIEKS	FGKGA	IMKMDGS	QQUEEN	LEVIST	GSL	G	LDL	I	ALGV	GGL	PRGR	60					
NTDB	id	1124	NGFG	RS03960	WP	003688695.1	.....	.....	MSD	DKS	KALAAAL	AQIEKS	FGKGA	IMKMDGS	QQUEEN	LEVIST	GSL	G	LDL	I	ALGV	GGL	PRGR	60					
NTDB	id	1123	OK783	RS03845	WP	003688695.1	.....	.....	MS																				

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 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 625 LCA RS02525 WP 011374196.1
NTDB id 228206 B4893 RS06250 WP 000368166.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
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NTDB id 1334 RA0C RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
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NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
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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
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NTDB id 1205 PSJM300 05545 AFN77183.1
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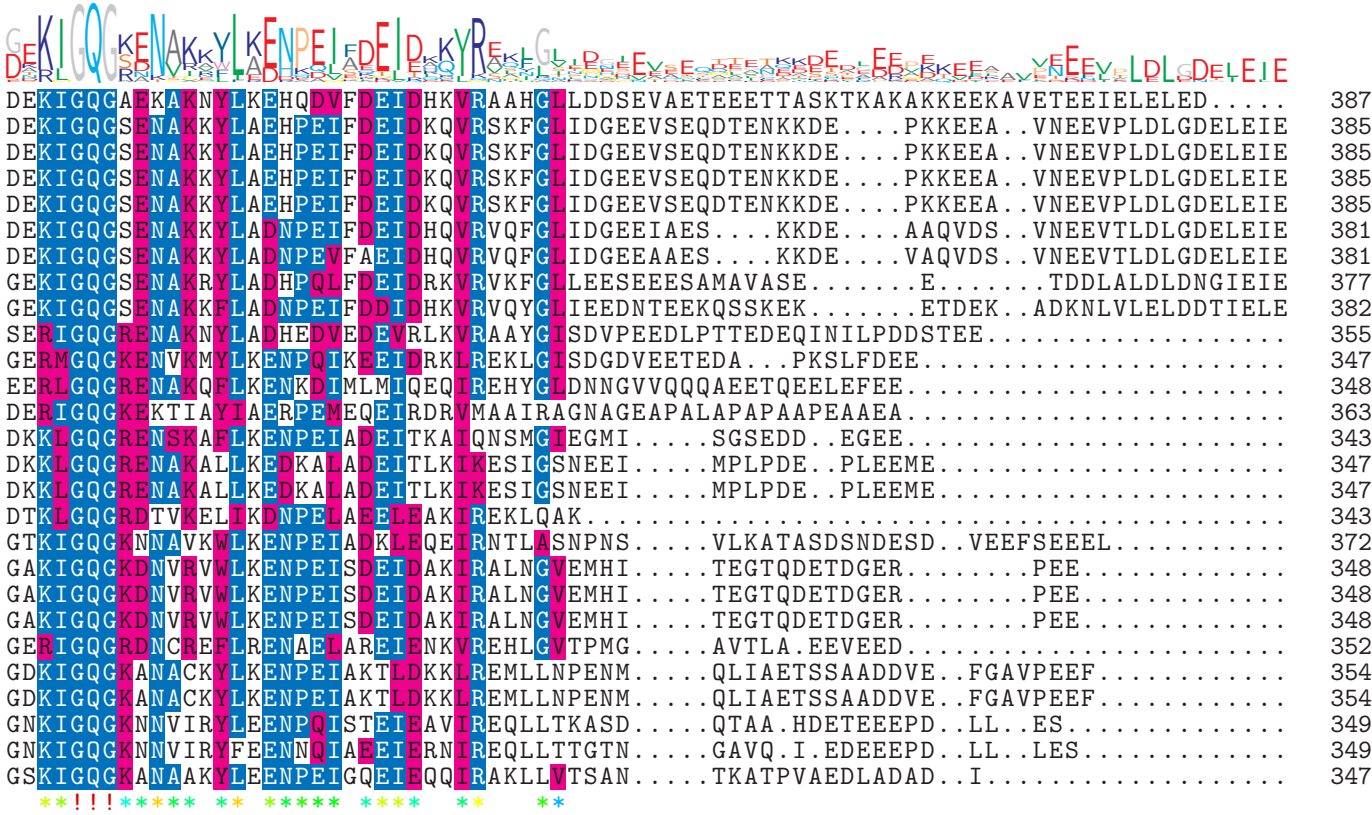


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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKEAVALVDIMFGEGISSTGELINIAVEEGIITKKSGAWFAYN	312
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSIGKETKIKVVKNKVAPPFKEAEVEIMYEGEGISRTGELVKIASDLDIQKAGAWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIIMYEGEGISRTGELVKIASDLGIQKAGAWYSYN	311
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKEAEVDIMYGGGISRTGELVDMAVEKDIINKSGSWYSYG	294
NTDB id 228206 B4893 RS06250 WP 000368166.1	SVRLEVRRAEQLKQGQ.....EIVGNRTKIKVVKNKVAPPFRVAEVDIMYGGGISKEGELIDLGVENDIVDKSGAWYSYN	293
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYEGEGISKEGEITIDLGTELDIVQKSGSWYSYE	292
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGNDAAVANTVKIKTVKNKVAAPFKEVELALVYGKGFQDQLSDLVGLAADMDIINKAGSFYSYG	307
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQNEEPIGNRVKVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSYK	294
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEITIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGISKEGEITIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEVIGNRTKVVVVKNKVAPPFKSAEFDIMYEGEGVSKVGEILDVATDLDIQKSGSWFSYQ	307
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGDEIIGSETKVVVVKNKVAPPFREVEQFDIMYEGEGISRMNELLILAEANGFIKKSGAWFSYD	310
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRKKVKNKVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRKKVKNKVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRKKVKNKVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKGEDEVGNETKVVVVKNKVAPPFREAIFFDILYGAGVSREGEITIDLGVEAKVVEKSGAWYSYN	302
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVVVVKNKMAPPFREAIFFQILYGKGVNQLGELVDLAVQQNIVQKAGAWYSYQ	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVVVVKNKMAPPFREAIFFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSETRVVVVKNKVAPPFRQAEFFQILYGKGIYRNGEITIDLGVQQGLVEKSGAWAYK	293
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NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 1022 ACIAD RS06390 WP 004925639.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387	
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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	
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consensus			

-  non conserved
-  similar
-  ≥ 50% conserved