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# Appendix I: Materials used in this study

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Item	Product no	Supplier
Acrylamide	1.00209.100	Merck
Agar	BX.10.500	Merck
Agarose	H111206	Hispanagar
Ammonium persulfate	A3678	Sigma
Ammonium sulfate	A2939	Sigma
Ampicillin	A9393	Sigma
ATP	10127523009	Roche
Genomic DNA purification kit	K0519	Fermentas
Benzoic acid	242381	Sigma
Benzonase	70746-3	Merck
Benzoyl coenzyme A	B1638	Sigma
Bicinchoninic acid solution	B9643	Sigma
Bio-Rad Genepulser electroporation cuvettes	165-2089	Bio Rad
Bovine serum albumin	775 827	Roche
BugBuster	70584-4	Novagen
Chloramphenicol	442513	Supelco
Coomassie brilliant blue	B8647	Sigma
Copper sulfate solution	C2284	Sigma
Dicyclohexylcarbodiimide	D8,000-2	Sigma
Disposable cuvettes	165-2089	Ratiolab
DTNB	D8130	Sigma
DTT	43815	Sigma
EDTA	3658	Fluka
Ethanol 100%	100,983.25	Merck
Ethanol 97% ( Drum)	C32102189	Rochelle Chemicals
Ethidium bromide	160539	Sigma
Ethyl acetate	1.09623.2500	Merck
ExTaq	RR001	Takara
Fermentas gene ruler #SM1173	SM1173	Fermentas
Fermentas instacloone PCR cloning kit	K1214	Fermentas
Fermentas pageruler #SM1811	SM0811	Fermentas

Glacial acetic acid	BB100017P	BDH
Glucose powder	AP008337.500	Merck
Glycerol	49780	Fluka
Glycine	1.04169.100	Merck
Hepes	H3537	Sigma
HindIII	ER0501	Fermentas
Hippuric acid	H6375	Sigma
His•Bind resin from Novagen	69670	Novagen
HPLC water	1.15333.250	Merck
Hydrochloric acid	SAAR3063040LP	Merck
Imidazole hydrochloride	13386	Sigma
IPTG	V395A	Promega
Isopropanol	1.09634.2500	Merck
Isovaleryl coenzyme A	I9381	Sigma
KpnI	ER0521	Fermentas
Lysozyme	71110-4	Novagen
Machery Nagel Nucleospin II	740 609.50	Machery Nagel
PCR cleanup and gel extraction kit		
Machery Nagel Protino Ni-TED 2000 kit	745 120.25	Machery Nagel
Magnesium chloride	8.14733.0500	Merck
Magnesium sulfate	M2643	Merck
Methanol	1.06009.2500	Merck
N,N' Bisacrylamide	130672	Sigma
NdeI	ER0582	Fermentas
N-hydroxysuccinimide	130672	Sigma
Nickel sulfate	72285	Fluka
Octanoyl coenzyme A	74879	Sigma
Pantethine	P2125	Sigma
Polyethylene glycol-4000	8.07490.1000	Merck
Potassium chloride	AB004936	Merck
Promega PureYield plasmid midiprep kit	C#A1220	Promega
Propionyl coenzyme A	p5397	Sigma
Protein Loading buffer, 4 x Dual Colour	R1011	Fermentas
RNase A (solution or powder)	R 6,513	Sigma

SDS	L4390	Sigma
Sodium acetate	71183	Fluka
Sodium chloride	13565	Riedel de Haen
Sodium hydrogen carbonate	1.06329.0500	Merck
Sodium hydroxide	1.06498.0500	Merck
T4 DNA ligase	EL 0011	Fermentas
TEMED	1.10732-026	Merck
Tetracycline	268054	Sigma
Tetrahydrofuran	T5267	Sigma
Tris base	11814273001	Roche
Tryptose	1.10676	Merck
XGal	3941	Promega
Xhol	R616A	Fermentas
Yeast extract	C68	Biolab
$\beta$ -Methylcrotonyl coenzyme A	M3013	Sigma
Benzoyl coenzyme A	B1638	Sigma

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