

Materials List for:

# Rapid Verification of Terminators Using the pGR-Blue Plasmid and Golden Gate Assembly

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## Materials

Name	Company	Catalog Number	Comments
pGR-Blue Plasmid	Addgene	68374	
pGR-Plasmid	Addgene	46002	
AeraSeal-(Sterile Sheets)	Excel Scientific	BS-25	Sterile Sheets only
10x T4 DNA ligase Buffer	NEB		
Bsal-HF	NEB	R3535S	The non-HF enzyme will work but is less heat stable.
NEB Golden Gate Assembly Mix	NEB	E1600S	Commercial Master Mix referred to in the protocol.
T4 DNA ligase	NEB	M0202S	
Round Microcentrifuge Floating Rack	Nova Tech International	F18875-6401	
Ampicillin sodium salt	Sigma Aldrich	A9518	
L-(+)-Arabinose	Sigma Aldrich	A-3256	D-Arabinose will not induce the pBAD promoter
Luria Base (LB) - Broth, Miller	Sigma Aldrich	L1900	
Luria Base (LB) - Agar, Miller	Sigma Aldrich	L2025	
Tecan-Infinite M200 Plate Reader	Tecan		
Mix & Go Competent Cells - Strain JM109	Zymo Research	T3005	Use company recommended transformation protocol
ApE: A plasmid editor-software	<a href="http://biologylabs.utah.edu/jorgensen/wayned/ape/">http://biologylabs.utah.edu/jorgensen/wayned/ape/</a>		
Tris-HCl, Molecular Grade	Promega	H5121	
Sodium Chloride (Crystalline/Biological, Certified)	Fisher Chemical	S671	
Commercial Oligonucleotide synthesis	Integrated DNA Technologies (IDT)		<a href="http://www.idtdna.com/site">http://www.idtdna.com/site</a>
Microtest Tissue Culture Plates - 96 well (Sterile)	Falcon	35-3072	
mycobacteriophage "Bernal13"	Genebank	KJ510413	
Nuclease Free Water	Integrated DNA Technologies (IDT)	IDT004	
Sterile, L-shaped Hockey-Stick Cell	Life Science Products	6444-S1	
Nano-Drop 2000c UV-Vis Spectrometer	Thermo Scientific	2000c	
ARNold: a web tool for the prediction of Rho-independent transcription terminators.	<a href="http://rna.igmors.u-psud.fr/">http://rna.igmors.u-psud.fr/</a>		