

Materials List for:

# An Efficient Strategy for Generating Tissue-specific Binary Transcription Systems in *Drosophila* by Genome Editing

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## Materials

Name	Company	Catalog Number	Comments
X-Gal/IPTG	Gentox (Genesee Scientific)	18-218	cloning
LB-Agar	BD Difco	BD 244520	cloning
Tris-HCl	Sigma Aldrich	T3253	Molecular Biology
EDTA	Sigma Aldrich	E1161	Molecular Biology
NaCl	Sigma Aldrich	S7653	Molecular Biology
UltraPure DNase/RNase-Free Water	ThermoFisher Scientific	10977-023	Molecular Biology
10% SDS	Sigma Aldrich	71736	Molecular Biology
KOAc	Fisher-Scientific	P1190	Molecular Biology
EtOH	Fisher-Scientific	04-355-451	Molecular Biology
GeneJET Miniprep	ThermoFisher Scientific	K0503	Miniprep
PureLink HiPure Plasmid Maxiprep kits	ThermoFisher Scientific	K210006	Maxiprep
BbsI	NEB	R0539S	Restriction enzyme
Primers	IDT-DNA		PCR
pCFD4	Kornberg Lab		DNA template and vector for gRNA
KAPA HiFi Hot Start- (Kapa Biosystems)	Kapa biosystems	KK2601	PCR
Q5-high fidelity Taq	NEB	NEB #M0491	PCR
Gibson Assembly Master Mix	NEB	NEB #E2611	DNA assembly
pBPnlsLexA:p65Uw	Addgene		DNA template for LexA amplification
Proteinase K	ThermoFisher Scientific	25530049	Molecular Biology
2x PCR PreMix, with dye (red)	Sydlab	MB067-EQ2R	Molecular Biology
Gel elution kit	Zymo Research (Genesee Scientific)	11-300	Molecular Biology
TRI reagent	Sigma-Aldrich		Molecular Biology
Direct-zol RNA purification kits	Zymo Research (Genesee Scientific)	11-330	Molecular Biology
OneTaq One-Step RT-PCR Kit	NEB	E5315S	Molecular Biology
<i>lexO-CherryCAAX</i>	Kornberg Lab		Fly line
<i>UAS-CD8:GFP</i>	Kornberg lab		Fly line
<i>btl-Gal4</i>	Kornberg lab		Fly line
<i>MKRS/TB6B</i>	Kornberg lab		Fly line
Confocal Microscope SP5X	Leica		Imaging expression pattern
CO <sub>2</sub> station	Genesee Scientific	59-122WCU	fly pushing

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Stereo microscope	Olympus	SZ-61	fly pushing
Microtube homogenizing pestles	Fisher-Scientific	03-421-217	genomic DNA isolation
NanoDrop spectrophotometer	ThermoFisher Scientific	ND-1000	DNA quantification