

Materials List for:

Silencing the Spark: CRISPR/Cas9 Genome Editing in Weakly Electric Fish

Savvas J. Constantinou¹, Linh Nguyen², Frank Kirschbaum², Vielka L. Salazar³, Jason R. Gallant¹

¹Department of Integrative Biology, Michigan State University

²Faculty of Life Sciences, Unit of Biology and Ecology of Fishes, Humboldt University

³Department of Biology, Cape Breton University

Correspondence to: Jason R. Gallant at jgallant@msu.edu

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Materials

Name	Company	Catalog Number	Comments
20 mg/mL RNA grade Glycogen	Thermo Scientific	R0551	
50 bp DNA ladder	NEB	N3236L	
borosilicate glass capillary with filament	Sutter Instrument	BF100-58-10	(O.D. 1.0mm, I.D. 0.58 mm, 10 cm length)
Cas9 protein with NLS; 1 mg/mL	PNA Biology	CP01	
Dneasy Blood & Tissue Kit	Qiagen	69506	
Eppendorf FemtoJet 4i Microinjector	Fisher Scientific	E5252000021	
Eppendorf Microloader Pipette Tips	Fisher Scientific	10289651	
Hamilton syringe	Fisher Scientific	14-824-654	referred to as "precision glass syringe" in the protocol
Kimwipe	Fisher Scientific	06-666	referred to as "delicate task wipe" in the protocol
MEGAscript T7 Transcription Kit	Invitrogen	AM1334	
NEBuffer 3	NEB	B7003S	used for in vitro cleavage assay
OneTaq DNA kit	NEB	M0480L	
Ovaprim	Syndel USA	https://www.syndel.com/ovaprim-ovammmlu010.html	referred to as "spawning agent" in the protocol
Parafilm	Fisher Scientific	S37440	referred to as "thermoplastic" in the protocol
Pipette puller	WPI	SU-P97	sutter brand
QIAquick PCR Purification Kit	Qiagen	28106	
Reusable needle- requires customization	Fisher Scientific	7803-02	Customize to 0.7 inches long; point style 4 and angle 25
T4 DNA polymerase	NEB	M0203L	Use with the 10X NEB buffer that is included
Teflon coated tools	bonefolder.com	T-SPATULA4PIECE	referred to as "polytetrafluoroethene" in the protocol