

Materials List for:

Manipulation of Gene Function in Mexican Cavefish

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Materials

Name	Company	Catalog Number	Comments
<i>Fish breeding & egg supplies</i>			
Fine mesh fish net	Penn Plax	BN4	
Fish tank heater	Aqueon	100106108	
Egg traps	Custom made	NA	Design and create plastic grate to place at bottom of tank to protect eggs
Glass pipettes	Fisher Scientific	13-678-20C	
Pipette bulbs	Fisher Scientific	03-448-21	
Agarose	Fisher Scientific	BP160-500	
Egg molds	Adaptive Science Tools	TU-1	
<i>Morpholino supplies</i>			
Control Morpholino	Gene Tools, LLC	Standard control olio	
Custom Morpholino	Gene Tools, LLC	NA	
Phenol Red	Sigma Aldrich	P0290-100ML	
<i>CRISPR supplies</i>			
Cas9 Plasmid	AddGene	46757	
GoTaq DNA Polymerase	Promega	M3001	
KOD Hot Start Taq	EMD Millipore	71-842-3	
Primers	Integrated DNA Technologies	Custom	
T7 Megascript Kit	Ambion/Thermofisher	AM1333	
miRNeasy Kit	Qiagen	217004	
mMessage mMachine T3 kit	Ambion/Thermofisher	AM1348	
MinElute Kit	Qiagen	28204	
<i>Tol2 transgenesis supplies</i>			
pCS-zT2TP plasmid	Kawakami et al., 2004	Request from senior author	
CutSmart Buffer	New England Biolabs	B7204	
NotI-HF Restriction Enzyme	New England Biolabs	R3189	
PCR purification Kit	Qiagen	28104	
SP6 mMessenger Kit	Ambion/Thermofisher	AM1340	
<i>Microinjection supplies</i>			
Glass Capillary Tubes	Sutter Instruments	BF100-58-10	
Pipette puller	Sutter Instruments	P-97	
Picoinjector	Warner Instruments	PLI-100A	
Micromanipulator	World Precision Instruments	M3301R	

Micromanipulator Stand	World Precision Instruments	M10	
Micmanipulator Base	World Precision Instruments	Steel Plate Base, 10 lbs	