

Materials List for

In Vivo CRISPR/Cas9 Screening to Simultaneously Evaluate Gene Function in Mouse Skin and Oral Cavity

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jove.com/video/61693

Materials

Name	Company	Catalog Number	Comments
0.45 micron filter	Sigma	S2HVU02RE	
12k or 92k oligo chip	Customarray Inc. (Genscript)		
15 cm cell culture plates	Corning		
293FT	Invitrogen	R70007	
293NT	Systems Biosciences	LV900A-1	
Alkaline phosphatase	NEB	M0290L	
Ampicillin	Fisher Scientific	BP1760-25	
ATP	NEB	9804S	
BsmBI	NEB	R0580L	
Chromic gut suture	Covidien		
Deep sequencing (Next-Seq or Hi-Seq)	Illumina		
DNA-cleanup kit	Zymo Research	D4008	
DNAasy Blood and Tissue DNA extraction kit	Qiagen	69506	
Endura electrocompetent cells	Lucigen	60242-1	
Glass Capillaries	Drummond	3-000-203-G/X	
HEK293T cells	ATCC	CRL-3216	
High-Speed Centrifuge	Beckman Coulter	MLS-50	
LB Agar	Wisent Technologies	800-011-LG	
Micropipette puller	Sutter Instrument	P97	
Mineral oil	Sigma	M5904	
Mini-prep plasmid Kit	Frogga Bio	PDH300	
Mouse oxygen anaesthesia system	Visual Sonics		
Nanoject II micromanipulator	Drummond		
NEBuffer 3.1 (Buffer for BsmBI)	NEB	R0580L	
Needle sharpener	Sutter Instrument	BV-10	

Oligo cleanup kit	Zymo research	D4060	
PAGE purified illumina sequencing primer	IDT DNA		
PEI (polyethyleneimine)	Sigma	408727-100ML	
Permoplast modeling clay			
Petridish with central opening	Visual Sonics		
pMD2.G	Addgene	12259	
psPAX2	Addgene	12260	
Q5 Polymerase 2x Master mix	NEB	M0494L	
Qubit Fluorometric Quantification	Invitrogen	Q33327	
Semicircular Silicone plug	Corning		
Silicone membrane	Visual Sonics		
T4 DNA ligase	NEB	M0202L	
Ultra-centrifuge tubes	Beckman Coulter	344058	
Vevo2000 ultrasound system	Visual Sonics		