

Materials List for:

HOX Loci Focused CRISPR/sgRNA Library Screening Identifying Critical CTCF Boundaries

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Materials

Name	Company	Catalog Number	Comments
Lipofectamine 3000 reagent	Thermo Fisher Scientific	L3000-008	
Proteinase K	Thermo Fisher Scientific	25530049	
Puromycin	Thermo Fisher Scientific	A1113802	
Stbl3 cells	Life Technologies	C737303	
HEK293T	ATCC	CRL-3216	
MOLM-13	DSMZ	ACC 554	
lentiCRISPRv2	Addgene	52961	
pMD2.G	Addgene	12259	
psPAX2	Addgene	12260	
pGEM®-T Easy Vector Systems	Promega	A137A	
T4 ligase	New England Biolabs	M0202S	
QIAquick Gel Extract kit	QIAGEN	28706	
QIAquick PCR purification kit	QIAGEN	28106	
SingleShot™ SYBR® Green One-Step Kit	Bio-Rad Laboratories	1725095	
QIAGEN Plasmid Maxi Kit	QIAGEN	12163	
Dulbecco's Modified Eagle Medium	Thermo Fisher Scientific	11965084	
RPMI 1640	Thermo Fisher Scientific	11875093	
Fetal bovine serum (FBS)	Thermo Fisher Scientific	10-082-147	
Penicillin/streptomycin/L-glutamine	Life Technologies	10378016	
Lenti-X Concentrator	Clontech	631232	
Trypan Blue Solution	Thermo Fisher Scientific	15250061	
Polybrene	Santa Cruz Biotechnology	sc-134220	
Phosphate Buffered Saline (PBS)	Genessee Scientific	25-507	
TAE buffer	Thermo Fisher Scientific	FERB49	
Surveyor® Mutation Detection Kits	Integrated DNA Technologies	706020	
Biorad Universal Hood II Gel Doc System	Bio-Rad	170-8126	
Centrifuge 5424 R	Eppendorf	5404000138	
Digital Dry Baths/Block Heaters	Thermo Fisher Scientific	88870002	
TSX Series Ultra-Low Freezers	Thermo Fisher Scientific	TSX40086V	
Forma™ Steri-Cult™ CO ₂ Incubators	Thermo Fisher Scientific	3308	

Herasafe™ KS, Class II Biological Safety Cabinet	Thermo Fisher Scientific	51022484	
Sorvall™ Legend™ XT/XF Centrifuge Series	Thermo Fisher Scientific	75004506	
Fisherbrand™ Isotemp™ Water Baths	Thermo Fisher Scientific	FSGPD02	
Thermo Scientific™ Locator™ Plus Rack and Box Systems	Thermo Fisher Scientific	13-762-353	
CFX96 Touch Real-Time PCR Detection System	Bio-Rad	1855195	
MiniAmp™ Thermal Cycler	Applied Biosystems technology	A37834	
Thermo Scientific™ Owl™ EC300XL2 Compact Power Supply	Thermo Fisher Scientific	7217581	
Thermo Scientific™ Owl™ EasyCast™ B1 Mini Gel Electrophoresis Systems	Thermo Fisher Scientific	09-528-178	
VWR® Tube Rotator and Rotisseries	VWR International	10136-084	
VWR® Incubating Mini Shaker	VWR International	12620-942	
Analytical Balance MS104TS/00	METTLER TOLEDO	30133522	
DS-11 FX and DS-11 FX+ Spectrophotometer	DeNovix Inc.	DS-11 FX	