

Materials List for

Investigating the Pathogenesis of MYH7 Mutation Gly823Glu in Familial Hypertrophic Cardiomyopathy using a Mouse Model

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Materials

Name	Company	Catalog Number	Comments
0.5×TBE	Shanghai Sangon		
2× Taq Master Mix (Dye Plus)	Nanjing Novizan Biotechnology Co., Ltd.		
Agarose	Regu		
Anesthesia machine for small animals	Reward Life Technology Co., Ltd.	R500	
BEDTools		2.16.1	
Cas9 in vitro digestion method to detect gRNA target efficiency kit	Viewsolid Biotechnology Co., Ltd.	VK007	
DNA Marker	Thermo Fisher Scientific		
DNA stabilizer	Shanghai Seebio Biotechnology Co., Ltd.	DNastable LD	prevent DNA degradation
Electric paraffin microtome	Shenyang Hengsong Technology Co., Ltd.	HS-S7220-B	
GATK		v3.5	
Gentra Puregene blood kit	Santa Clara		
Glass slide, coverslip	Jiangsu Invotek Biotechnology Co., Ltd.		
Hematoxylin staining solution, Eosin staining solution	Shanghai Biyuntian Biotechnology Co., Ltd.	C0107-500ml, C0109	
HiSeq X-ten platform	Illumina		perform sequencing on the captured libraries
Injection of chorionic gonadotropin	Livzon Pharmaceutical Group Inc.		

Injection of pregnant mare serum gonadotropin	Livzon Pharmaceutical Group Inc.		
Isoflurane	Local suppliers		inhalation anesthesia
Microinjection microscope	Nikon	ECLIPSE Ts2	
NanoDrop	Thermo Fisher Scientific	2000	
Paraffin Embedding Machine	Shenyang Hengsong Technology Co., Ltd.	HS-B7126-B	
Picard		(2.2.4) 20	
Proteinase K	Merck KGaA		
samtools		1.3	
Sequencer	Applied Biosystems	ABI 3500	
Stereomicroscope	Nikon	SMZ745T	
SureSelect Human All Exon V6	Agilent Technology Co., Ltd.		exome probe
T7 ARCA mRNA Kit	New England BioLabs, Inc.	NEB-E2065S	
Temperature box	BINDER GmbH	KBF-S Solid.Line	
Trizma Hydrochloride Solution	Sigma, Merck KGaA	No. T2663	
Veterinary ultrasound system	Royal Philips	CX50	