

**GENOTYPING BY PCR PROTOCOL
MUTANT MOUSE REGIONAL RESOURCE CENTER**

sacoord@mmrrc.org

800-910-2291 North America, +1-530-757-5710 International

Please provide the following information required for genetic analysis of your mutant mice.

Note to MAC users: to ensure your graphic can be viewed on a PC please follow the steps below when inserting the graphic into this document. DO NOT drag and drop or copy/paste the graphic into this document.

- Open the original graphic in the program that created it
- Choose File, Save As
- Select No Compression in the save options.
- Save as JPG or PNG or similar format that's compatible with both PC and Mac Word versions.
- Switch to Word, choose Insert, Picture, From File and choose the newly saved picture.

These instructions are very generic. The menu options for your graphics program may be different.

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Strain Name		MMRRC Stock Number
DHHC7 KO; Zdhhc7tm1.2Lusc ; "SERZ-β KO"		043511

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NAME OF PCR: SZ16

MMRRC: 0-CTR

Protocol: *(PCR protocol provided by Donating Investigator)*

Reagent/Constituent	Volume (µL)
Water	9.5
Quanta super mix incl. dNTPs and polymerase Cat. No. 95135-500	12.5
Primer 1. (stock concentration is 50 µM)	.25
Primer 2. (stock concentration is 50 µM)	.25
DNA (50-200ng/ µL) extracted w/ "Qiagen DNeasy columns or other similar silica based kits"	2.5
<i>The total volume is auto-calculated based on volumes entered, right click the total and update field to show/recalculate the total volume.</i>	TOTAL VOLUME OF REACTION: 25 µL

Comments on protocol: We use Quanta AccuSattr II Mouse Genotyping Kit Cat. No. 95135-500 for genotyping

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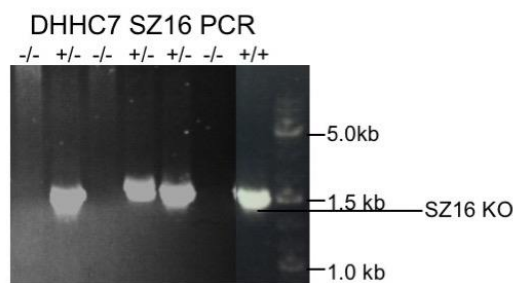
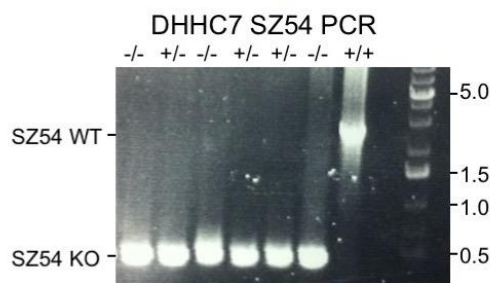
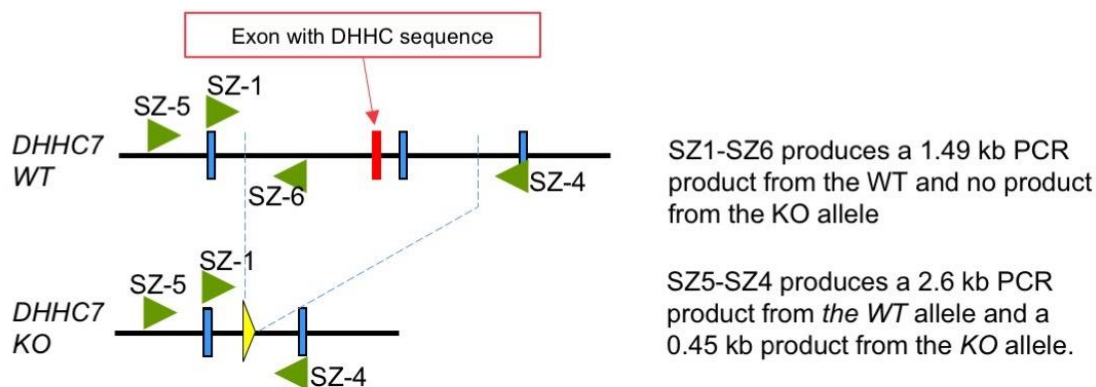
Strategy:

Steps	Temp (°C)	Time (m:ss)	# of Cycles
1. Initiation/Melting HOT START? <input checked="" type="checkbox"/>	95	2:00	1
2. Denaturation	93	0:30	
3. Annealing steps 2-3-4 cycle in sequence	56	0:30	x39
4. Elongation	65	2:30	
5. Amplification	65	5:00	1

Primers:

Electrophoresis Protocol:

Name	Nucleotide Sequence (5' - 3')	Argarose: 1%	V: 78
1. SZ1	TGAGC CAGGA TGGAT TTCAG ACA	Estimated Running Time: 35 min.	
2. SZ6	TGCCC TCGGA CGCAG GAGAT GAA	Primer Combination	Band
3.		SZ1-SZ6	1490 bp
4.		SZ1-SZ6	Non4
			Genotype
			WT
			DHHC7 KO



PCR protocol provided by Donating Investigator