

GENOTYPING BY PCR PROTOCOL

MUTANT MOUSE REGIONAL RESOURCE CENTER: UC DAVIS

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530-754-MMRRC

NAME OF PCR: B6.Cg-Eri1^{tm1.1Anse}/Mmucd

MMRRC: 037122-UCD

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

Reagent/Constituent	Volume (μL)
Water	8.6
2x MyTaq Red Mix (Bioline Cat. No. BIO-25044)	10.0
Primer 1. (stock concentration is 20μM)	0.2
Primer 2. (stock concentration is 20μM)	0.2
DNA (example) extracted w/ "Qiagen DNeasy columns or other similar silica based kits"	1.0
Total Reaction Volume	20.000 μL

Comments on protocol:

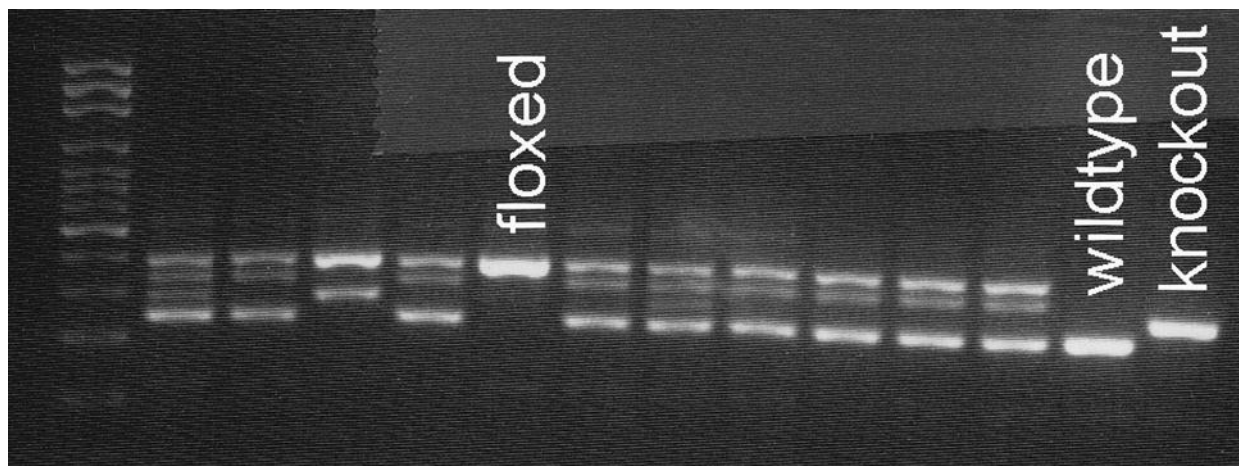
Strategy:

Steps	Temp (°C)	Time (m:ss)	# of Cycles
1. Initiation/Melting HOT START? ☐	95	3:00	1
2. Denaturation	95	0:15	
3. Annealing steps 2-3-4 cycle in sequence	58	0:30	35x
4. Elongation	72	1:00	
5. Finish	4	∞	n/a

Primers:

Electrophoresis Protocol:

Name	Nucleotide Sequence (5' - 3')	Argarose: 2% w/v V:120		
1. mExo A	GGGTGGTATATCCTCAGTTACTTT	Estimated Running Time: 40 min.		
2. mExo B	GCCATAACCTTGAACCTGCA	Primer Combination	Band	Genotype
		A+B	~250 bp	WT
		A+B	~400 bp	floxed



100bp ladder, Disregard the knockout bands in this gel picture as they are expected in this floxed mouse model.

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