

GENOTYPING BY PCR PROTOCOL FORM

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DNA Extraction Method: NaOH Proteinase K Other VIAGEN Direct PCR (tail)

Protocol: NAME OF PCR: MMRRC Strain #031076-UCD, B6;129-OoepGt(139A2-3)Cmhd

Reagent/ Constituent	Volume (uL)
GE Healthcare Ready-To-Go-Beads (Cat. #27-9557-01)	
Primer 1 (stock concentration is 20 pmol/ul)	0.5
Primer 2 (stock concentration is 20 pmol/ul)	0.5
Primer 3 (stock concentration is 20 pmol/ul)	0.5
Genomic DNA	0.5—1.0 ul
dH ₂ O	Make up difference
TOTAL VOLUME OF REACTION:	25 ul

Comments on protocol (e.g., different concentration of MgCl_2 , etc): _____

Strategy:

Steps	Temp (°C)	Time (min)	# of Cycles
1. Initiation/Melting HOT START?..CHECK HERE []	95	3	1
2. Denaturation	94	0.5	} 30
3. Annealing	55	0.5	
4. Elongation	68	1.0	
5. Amplification (i.e., 72°C, 10 min)			1
6. Finish (i.e., 4°C, indefinite)		n/a	n/a

Primers:

Primer Name	Nucleotide Sequence (5' - 3')
1: p1-5'	CCC TGC TGA CAG TGG ACT C
2: p2-5'	CCA GCC AGT TTT AGC CCT TT
3: p3-5'	TGC GCA ACT GTT GGG AAG
4:	

Electrophoresis Protocol:

% Agarose: 0.8 V : 95

Estimated Running Time (min): 20 min

Primer combination	Band (kB)	genotype
1 & 2 & 3	512 (bp)	Normal
1 & 2 & 3	890 (bp)	Null

**PASTE GEL PICTURE HERE, CLEARLY
INDICATING LADDER, WATER CONTROL, DNA
CONTROL, & DIAGNOSTIC SAMPLES**