

Reaction conditions for *lpr/lpr* PCR

<u>Component</u>	<u>vol/rxn.</u>
distilled H ₂ O	30 μ L
5X buffer, pH 9.0	10
2 mM dNTP's	2
KM oligo #882	2
KM oligo #883	2
KM oligo #884	2
genomic DNA	2 (from 100 μ l ear buffer preparation)
Taq pol	0.5

Add one 1.5 mM Mg 'Hotwax' bead

Cycles: 94°C 1min / 55° C 1min / 72° C 1 min 35X then 72° C 7', 4° C hold

Gel: 2% Nusieve agarose in TBE

expected rxn products:

<u>+/+ wild-type mouse</u>	<u><i>lpr</i>/+ heterozygous mouse</u>	<u><i>lpr/lpr</i> mutant mouse</u>
single band: 285 bp	two bands: 285 bp 480bp	single band: 480 bp

Oligos

KM #882 (FAS-5'): 5'-GTGCTTCGTCAGCAGGAATCC-3'

K-M #883 (FAS-3'): 5'-GGCAGAGATGCTAAGCAGCAG-3'

K-M #884 (FASET-2): 5'-GTGGAGCTCCAATGCAGCGTT-3'