

RMRC Genotyping Protocol-PCR

No.	RMRC13338	Strain Name	B6.129- <i>Mcl1</i> ^{tm4Yen} /Narl
-----	-----------	-------------	---

A. Primer

	Primer name	Sequence
1	mMcl-1 523	CTGGA GATCA TCTCG CGCTA CTTGC
2	mMcl-1 p6	TTTCT CTGGA CCTAC CACCT ACAA

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		16.5	μl	1	94	300 sec	
PCR buffer	10x		2.5	μl	2	94	60sec	40
dNTP		2mM	2.5	μl	3	55	60 sec	
Primer 1	10	μM(ρmol/μl)	0.5	μl	4	72	90 sec	
Primer 2	10	μM(ρmol/μl)	0.5	μl	5	72	600 sec	
DNA	--		1	μl	6			
Taq		U/μl	0.25	μl	7			
DMSO		mM	1.25	μl	8			
Total			25	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	1	2	800 bp	WT
2	1	2	450 bp	ΔExon2

D. Gel Photo

