

RMRC Genotyping Protocol-PCR

No.	RMRC13337	Strain Name	B6.129- <i>Mcl1</i> ^{tm3Yen} /Narl
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A. Primer

	Primer name	Sequence
1	oIMR 0015	CAAAT GTTGC TTGTC TGGTG
2	oIMR 0016	GTCAG TGCAG TGCAC AGTTT
3	oIMR 0039	ATCCT CTGCA TGGTC AGGTC
4	oIMR 0040	CGTGG CCTGA TTCAT TCC

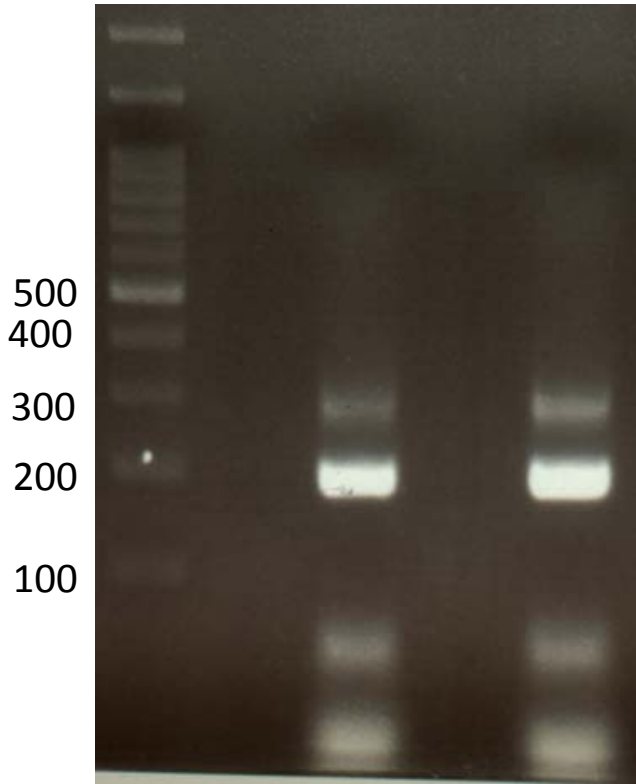
B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		13.75	μl	1	94	180 sec	
PCR buffer	10x		2.5	μl	2	94	30sec	38
dNTP		2mM	2.5	μl	3	55	30sec	
Primer 1	10	μM(ρmol/μl)	1.25	μl	4	72	30 sec	
Primer 2	10	μM(ρmol/μl)	1.25	μl	5	72	120 sec	
Primer 3	10	μM(ρmol/μl)	1.25	μl	6			
Primer 4	10	μM(ρmol/μl)	1.25	μl	7			
DNA	--		1	μl	8			
Taq		U/μl	0.25	μl	9			
		mM		μl				
Total			25	μl				

C. PCR Product

	Primer set		Product size	Target region
1	1	2	300 bp	Laz
2	1	2	200 bp	WT

D. Gel Photo



MCL-1:

+/-

+/-