

RMRC Genotyping Protocol-PCR

No.	RMRC13166	Strain Name	B6.Cg-Tg(HBV1.3)M2.1CM22
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A. Primer

	Primer name	Sequence
1	P1628	cgcagtccccaacctccaat
2	P688	aaagccctacgaacca

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		12.9	μl	1	98	60	1
PCR buffer	10x		2	μl	2	98	10	40
dNTP	2.5	mM	1.6	μl	3	60	30	40
Primer 1	10	μM(ρmol/μl)	1	μl	4	72	40	40
Primer 2	10	μM(ρmol/μl)	1	μl	5	72	600	1
DNA	Tail gDNA		1	μl	6	4	∞	1
Taq		U/μl	0.1	μl	7			
DMSO		mM	0.4	μl	8			
Total			20	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	P1628	P688	~400 bp	HBV s region
2			bp	

D. Gel Photo



wt : lane 3,4,8,9,10,13,14

TG: lane1,2,5,6,7,11,12

(-)ctrl, H2O: lane15