

RBRC 10787

Strain name C57BL/6N-Vps51 <em1Card>

Primer	primer_name	primer_seq	length	Reference
1	promoter	CATATCCTACAGCTGCAGAGGAAC	24	RIKEN BRC
2	exon 1	GTAAAGCTTCAGCATCCCGTGATC	24	RIKEN BRC

Reaction Components

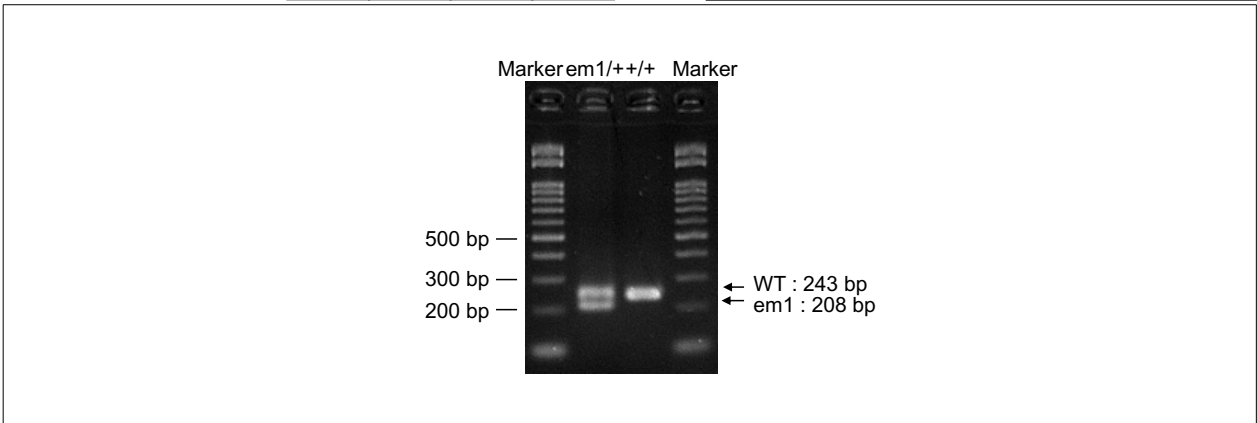
Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reagent	Conc	Reaction 1	2	3	4
H2O		2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
DNA		1.0			
Master Mix	2 X	5.0			
total		10			

Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	60*	*Repeat for 30 cycles

Marker Gene Ladder 100 (Wako, Cat. 316-06951)
 Gel 3% Nusieve in 0.5 X TBE (100 V, 50 min)



primer_set	product_size	product (allele type)
primer 1 primer 2	243 bp	WT
primer 1 primer 2	208 bp	em1

+/+ (wild-type): 243 bp
 em1/+ (heterozygous): 243 bp and 208 bp

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