

RBRC 09700

Strain name C57BL/6N-Zkscan6<em1 lbbr>

Primer	primer_name	primer_seq	length	Reference
1	Fw	CCAGACAATGCCTGTTGACTTG	22	Depositor's primer
2	WT	AAACAGAGCTTCCGGAGTTGTCTC	24	RIKEN BRC
3	2del	AAACAGAGCTTCCGGAGTTGTCAG	24	RIKEN BRC

Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

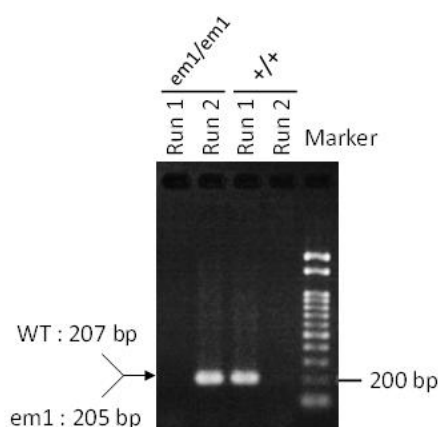
Reagent	Conc	Reaction 1	2	3	4
H2O		13.3	13.3		
PCR buffer	10 X	2.0	2.0		
dNTP	2.5 mM	1.6	1.6		
primer 1	10 pmol/ μ l	1.0	1.0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	0	1.0		
DNA		1.0	1.0		
Taq	5 U/ μ l	0.1	0.1		
total		20	20		

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 35 cycles
5	72	300	

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	207 bp WT
primer 1	primer 3	205 bp em1

Comment Allele specific PCR (ASP)