

RBRC 05477

Strain name B6.Cg-Tg(NDE-hsp-Qilin,lacZ)41 Hmd

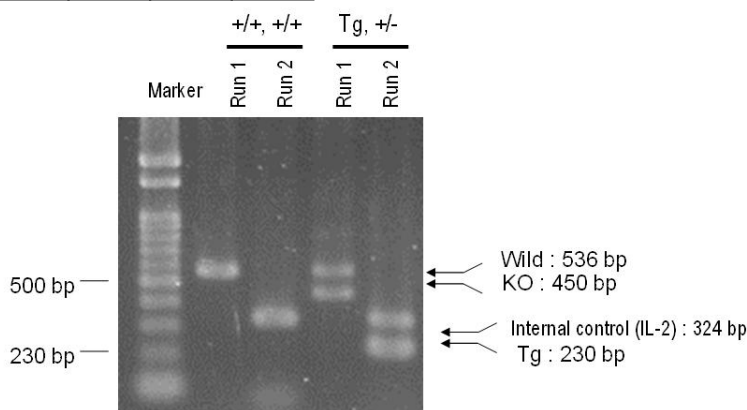
Primer	primer_name	primer_seq	length		
1	QILIN COMMON 3	TTGAGAATGTCTCTGCCAGC	20		Depositor's primer
2	WT5	AGAACTGCGGCCAAGCTTTT	20		Depositor's primer
3	QILIN NULL5	CGTTCCTGTCATTCTGTGGA	20		Depositor's primer
4	ZS-6	GCACGGTTACGATGCGCCCATCTACACCAACGT	33		Depositor's primer
5	ZA-6	ACGGCAAACGACTGTCCTGGCCGTAACCGACC	32		Depositor's primer
6	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24		JAX Genotyping Protocol
7	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25		JAX Genotyping Protocol

Reaction Components

Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3	11.3		
PCR buffer	10 X	2.0	2.0		
dNTP	2.5 mM	1.6	1.6		
primer 1	10 pmol/ μ l	1.0	0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	1.0	0		
primer 4	10 pmol/ μ l	0	1.0		
primer 5	10 pmol/ μ l	0	1.0		
primer 6	10 pmol/ μ l	0	1.0		
primer 7	10 pmol/ μ l	0	1.0		
DNA		1.0	1.0		
Taq	5U/ μ l	0.1	0.1		
	total	20	20		

[illegible]

Marker

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

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	536 bp	WT (Qilin)
primer 1	primer 3	450 bp	KO (Qilin)
primer 4	primer 5	230 bp	Tg
primer 6	primer 7	324 bp	Internal control (IL-2)

Comment