

PCR protocol

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RBRC 09741

Strain name B6.C3-Hps4<le>/Gku

Primer	primer_name	primer_seq	length	
1	LeR	CCGGGGAGGAACACATCTTA	20	Depositor's primer
2	wild	CCACAGACCCTGTTAGACCAAC	22	RIKEN BRC
3	Mut	CCACAGACCCTGTTAGACCAAT	22	RIKEN BRC

Reaction Components

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

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.0	2.0		
Master Mix	2 X	5.0	5.0		
primer 1	10 pmol/μl	1.0	1.0		
primer 2	10 pmol/μl	1.0	0		
primer 3	10 pmol/μl	0	1.0		
DNA		1.0	1.0		
total		10	10		

Allele specific PCR (ASP)



Marker

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

Gel

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

Comment

PCR products	primer_set	product_size	product
primer 1	primer 2	211 bp	WT
primer 1	primer 3	211 bp	mutant