

RMRC13117 strain name: B6.129-Cfc1<tm1Yyt>

1. wt allele check PCR primer design

Primer: Wt cryptic 2f :5' CCCTCCCTCAGTCCCTAGA 3'

Primer: Wt cryptic 2r: 5' CATGGGTGTGATGTCGCTAA 3'

	wt cryptic check				
	ul	MixX16.5			
template(mouse dna)	1.5		program:	no.0 wt cryptic	
10x tag buf	2	33	95°C	3min	
dNTP (2.5mM)	0.7	11.55	95°C	30s	} 35x
primer1(wt cryptic2 f)	0.4	6.6	56°C	20s	
primer2(wt cryptic2 r)	0.4	6.6	72°C	35s	
primer3	0	0	72°C	3min	
禾 鑫 tag(5 IU / ul)	0.15	2.475	4°C	pause	
ddH ₂ O	14.85	245.025			
total	20				

per product : 565bp

2. mt neo allele check PCR primer design

Primer: neo5 : 5' gatcggccattgaacaagat 3'

primer: neo3: 5' atactttctcggcaggagca3'

	neo check				
	ul	MixX15			
template(mouse dna)	1.5		program:		
10x tag buf	2	30	95°C	3min	
dNTP (2.5mM)	0.7	10.5	95°C	30s	} 35x
primer1(neo5)	0.4	6	58°C	20s	
primer2(neo3)	0.4	6	72°C	20s	
primer3	0	0	72°C	3min	
tag(5IU / ul)	0.1	1.5	4°C	pause	
ddH ₂ O	14.9	223.5			
total	20				

per product : 334bp