PCR protocol

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RBRC 00342 **Strain name** B6D2-TgN(hAndR/CAGn)/97Q-3-7-177

Primer	primer_name	primer_seq	length		Reference
1	LCB931 (97Q-1)	CTTCTGGCGTGTGACCGGCG	20		Depositor's primer
2	LCB932 (97Q-2)	TGAGCTTGGCTGAATCTTCC	20		Depositor's primer
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2)	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2)	JAX Genotyping Protocol

Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

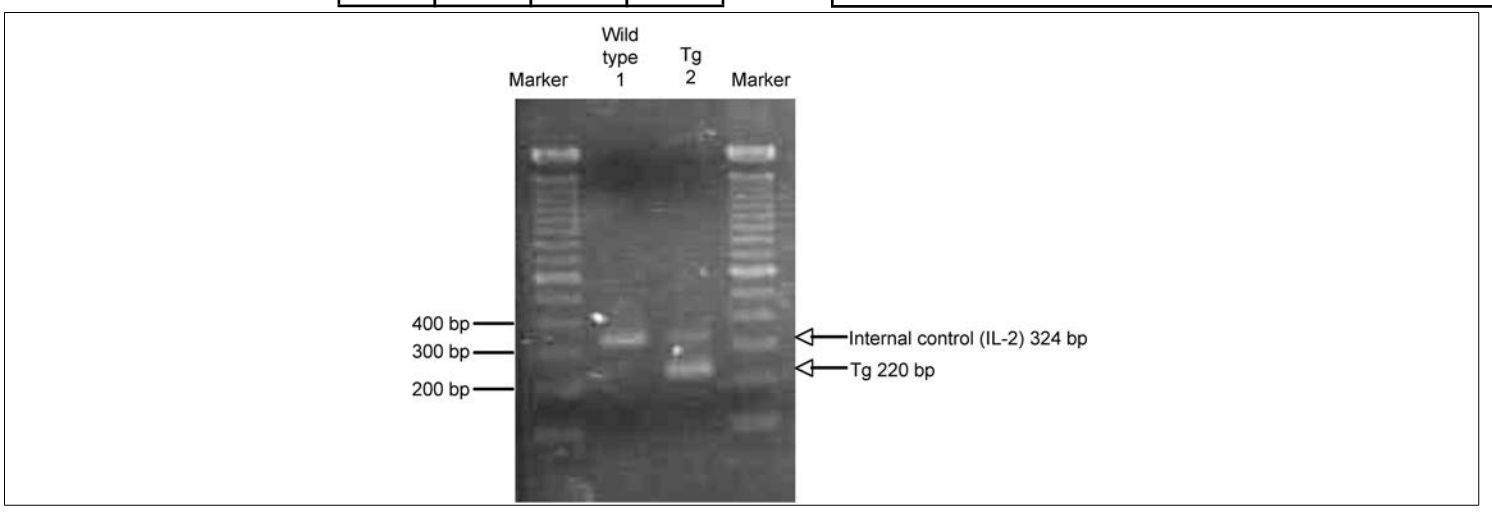
Reagent	Conc	Reaction 1	2	3	4	
H2O		15.3				(μL)
PCR buffer	10 X	2.5				
dNTP	2.5 mM	2.0				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
primer 4	10 pmol/μl	1.0				
DNA		1.0				
Taq		0.2				
	total	25				

Reaction Conditions

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

Marker 100 bp ladder (Invitrogen, Cat. 15628-050)

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



primer_set		product_size	product (allele type)	
primer 1	primer 2	220 bp	Tg	
primer 3	primer 4	324 bp	Internal control (IL-2)	

Comment Standard PCR