

RMRC Genotyping Protocol-PCR

No.	RMRC13259	Strain Name	NOD-Tg(INS-Hmox1)BSytwu
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A. Primer

	Primer name	Sequence
1	pINS2-1901-F	CTT CCA GGG CCG TGT AGA TA
2	mHO-1-2752-R	TCG GGG ATC CTG AGA ACT T

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--			μl	1	95	180	1
PCR buffer	10x			μl	2	94	50	35
dNTP		mM		μl	3	58	50	
Primer 1		μM(ρmol/μl)		μl	4	72	60	
Primer 2		μM(ρmol/μl)		μl	5	72	600	1
DNA	--			μl	6			
Taq		U/μl		μl	7			
Mg ²⁺		mM		μl	8			
Total				μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	pINS2-1901-F	mHO-1-2752-R	851 bp	insulin promoter 3'-end to mHO-1 central region

D. Gel Photo

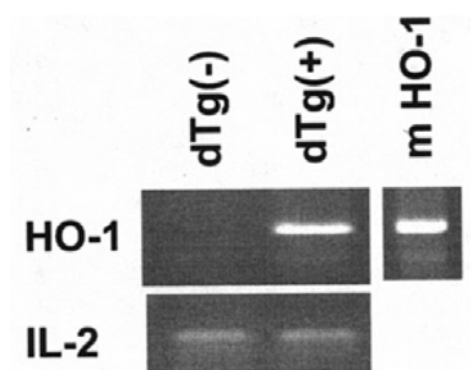


Fig. 1

Transplant Proc. **45**:580-584 (2013)