

RMRC Genotyping Protocol-PCR

No.	RMRC13105	Strain Name	C57BL/6-Tg(Eno2- Atxn8os)150R-34Hmhl
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A. Primer

	Primer name	Sequence
1	NSE-F	AAT AAG GAG ACG CCT GCT TCC CTC
2	SCA8-R	CAT GTC AGG CTC TGG GCG AAA
3	SCA8-F1	TCG ACT GTT TAT CGT CAT CGT CTT TG
4	SCA8-R1	TTG AAG ATT GCC TTT TCT GAC TCC C

B. Reaction Conditions

Component	Concentration		Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--		11.25	μl	1	95	60	1
PCR buffer	10x		1.5	μl	2	60	60	30
dNTP	25	mM	0.15	μl	3	95	60	1
Primer 1		μM(μmol/μl)	0.3	μl	4			
Primer 2		μM(μmol/μl)	0.3	μl	5			
DNA	--		1	μl	6			
Taq	5	U/μl	0.5	μl	7			
Mg ²⁺		mM		μl	8			
Total			15	μl	9			

C. PCR Product

	Primer set		Product size	Target region
1	NSE-F	SCA8-R	818 bp	
2	SCA8-F1	SCA8-R1	736 bp	

D. Gel Photo

