

Genotyping protocol for FOXI3-GFP knock-in mice

Forward primer: Foxi3-GFP-F

CCT TCA GCA GCC CTT TCT AC

Reverse primer: Foxi3-GFP-R

TAA GTC CCC TTT CCA AGA CG

PCR Reaction:

PCR Supermix (green)	10 μ L
Forward primer (10 μ M)	1 μ L
Reverse primer (10 μ M)	1 μ L
gDNA	1 μ L
dH ₂ O	7 μ L

PCR program:

95° C	5 min
95° C	30 sec
62° C	30 sec
72° C	2 min
Repeat	34 cycles
72° C	5 min
10° C	∞

Expected result:

Knock-in band = 974 bp

Wild type band = 191bp

N.B. These mice can also be genotyped with regular GFP primers, but the above reaction is specific to this line