

## Tg5453 PCR Genotyping

PRIMERS		
	Name (#)	sequence
Primer 1	sense	5' TAC-CCC-CTC-CTT-CAG-ACA-CC 3'
Primer 2	antisense	5' GCC-CTT-CAT-AAT-ATC-CCC-CA 3'

PCR REACTION (20 µl reaction)	PCR CONDITIONS
Primer mix                    5pmol (each primer) dNTPs (2.5 mM each)    2.0µl MgCl <sub>2</sub> (25mM)            1.2ul 10x PCR Buffer              2.0ul Taq Polymerase            0.2ul DNA                            1.0 ul milliQH <sub>2</sub> O                Up to 20 ul	<b>Program Name: Globin</b> 1. 94°C for 5 min. 2. 94°C for 1 min. 3. 58°C for 1 min. 4. 72°C for 1 min. 5. Steps 2-4 for 25 more cycles 6. 72°C for 5 min. 7. 20°C for 1 min. 8. End

PCR PRODUCTS	
Transgenic band size (350 bp)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">             λ H/E           </div> <div style="text-align: center;">             Samples           </div> <div style="text-align: center;">             WT Tg197           </div> </div> 