

PCR screening PB-Tag mice

Tail DNA (.5-1ug)	10uL
10X Taq buffer	5uL
10X dNTP (2mM ea)	5uL
25mM MgCl ₂	6uL
Mouse β Casein forw (10uM)	2.5uL
Mouse β Casein rev (10uM)	2.5uL
PB-1 forward (10uM)	2.5uL
Tag reverse (10uM)	2.5uL
Taq Pol	0.25uL
dH ₂ O	13.75uL
Total	50uL

Thermocycler:

94C for 1 min (initial cycle only)
92C for 40 sec
60C for 40 sec
65C for 1.5 min
----- x 30 cycles
75C for 5 min
4C indefinite

1% agarose gel, 5uL ea rxn per lane"

Expected results

internal control 0.5 kb
transgene specific 0.6 kb

5' -> 3'

Mouse β Casein forward	GATGTGCTCCAGGCTAAAGTT
Mouse β Casein reverse	AGAAACGGAATGTTGTGGAGT
PB-1 forward	CCGGTCGACCGGAAGCTTCCACAAGTGCATTTA
Tag reverse	CTCCTTTCAAGACCTAGAAGGTCCA