

Date: _____

Name: _____

PCR Reaction

Tetβpol Tg mouse tail genotyping

(This protocol set up for use with TAQGOLD)

Add:	1X	___X
H ₂ O	28.5 μl	μl
10X PCR Buffer II	5 μl	μl
25 mM MgCl ₂	3 μl	μl
10 mM Nucleotide mix	1.0 μl	μl
Oligo Tet2 (10 pmol/μl)	5 μl	μl
Oligo MBpol1 (10 pmol/μl)	5 μl	μl
TAQGOLD	0.5 μl	μl
Total volume per tube	48 μl	
DNA	2 μl	

DNA = _____

Oligos: Tet2 (24-mer) 5' ggc cta tat aag cag agc tcg ttt 3'
MBpol1 (24-mer) 5' cat gcc ttt atc gtc atc gtc ttt 3'

Protocol: Step 1: 95°C 10 min (protocol name = tetbpol)
Step 2: 95°C 0.5 min
Step 3: 57°C 0.5 min
Step 4: 72°C 1 min
Step 5: cycle step 4 to step 2, 39 (40 total)
Step 6: 72°C 10 min
Step 7: 10°C pause
Step 8: END

Add 12.5 μL loading buffer. Analyze on 2.5 % NuSieve 3:1 agarose gel in TBE.
PCR Product = single band 0.2 kb.

Results: