

## PROTOCOL FOR MBP-PDGFB MOUSE GENOTYPING

### *Procedure*

Genotyping of offspring from MBP-PDGFB breeding colony is based on PCR.

### *PCR primers*

5' forward primer (A4691) - 5' **tgc tgc tac ctg cgt ctg** 3'

3' reverse primer (A4692) - 5' **ttc ttc cgc aca atc tcg** 3'

### *PCR profile*

94 °C, 10 min

94 °C, 30 s                      40 cycles

55 °C, 30 s

72 °C, 1 min

72 °C, 10 min

4 °C, ∞

### *PCR mix*

10 x PCR Gold buffer (Perkin Elmer)	5.0 µl
MgCl <sub>2</sub> (25 mM)	3.0 µl
dNTPs (10 mM)	0.50 µl
A4691 primer (20 µM)	0.25 µl
A4692 primer (20 µM)	0.25 µl
AmpliTaq Gold (5 U/µl)	0.20 µl
DNA template (~ 0.5 µg tail DNA)	2.0 µl
H <sub>2</sub> O	<u>18.80 µl</u>
	30 µl

### *Post-PCR analysis*

Load 10 µl of the PCR reaction on a 2% agarose gel.  
Expected pattern is one band; 450 bp