

PROTOCOL FOR WAP-HBX MOUSE GENOTYPING

Procedure

Genotyping of offspring from WAP-HBX breeding colony is based on PCR.

PCR primers

5' forward primer (#255) - 5' ccc 3'
3' reverse primer (#256) - 5' cc 3'

PCR profile; programme HBX

95 °C, 6 min
94 °C, 45 s 35 cycles
58 °C, 45 s
72 °C, 1 min

72 °C, 10 min
4 °C, ∞

PCR mix

10 x PCR Gold buffer (Perkin Elmer)	3.0 µl
MgCl ₂ (25 mM)	2.0 µl
dNTPs (10 mM)	0.5 µl
#255 (20 µM)	0.5 µl
#256 (20 µM)	0.5 µl
AmpliTaq Gold (5 U/µl)	0.2 µl
DNA template (~ 0.5 µg tail DNA)	2.0 µl
H ₂ O	<u>22.3 µl</u>
	31 µl

Post-PCR analysis

Load 12 µl of the PCR reaction on a 1% agarose gel.
Expected pattern; one band 430 bp.