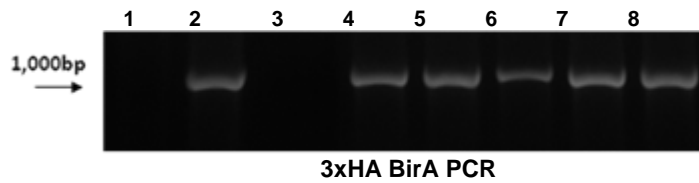


BirA Genotyping protocol



Genomic DNA tail biopsies of 6 F4 mice were screened by PCR for detection of the 3xHA BirA. Five mice carry the BirA transgene (lanes 4-8) and one mouse is wild-type C57/BL6 (lane 3). No DNA template control is loaded in lane 1 and a positive control in lane 2.

F Primer: ATCAAAGCTTACCACCATGGCCatggccacctatgacgtc

R primer: TCAGGTCTGACTCATTATTTTTCTGCACTACGC

PCR Mix:

2ul DNA (I usually reconstitute the tails in 100ul each)
0.6ul primers (0.3 from each, 1mM each)
0.9ul MgCl₂ 50mM
0.36ul dNTPs 10mM
3ul Taq Buffer 10x
1ul Taq polymerase (homemade)
H₂O up to 30ul

PCR program:

95C 4m

95C 1m

58C 1m

72C 1m 30s

72C 7m

x35 cycles