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Mouse Genotyping with KAPA Kit in 2 hours (#KK7302) V.1

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1 Works for me dx.doi.org/10.17504/protocols.io.bbxmipk6

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DNA Extraction 30m

1 Collect mouse tissues (ear or tail clips) into PCR strips.

2 Make **100 µl** extration buffer mix for each sample.

10x Extraction buffer	10 ul
H2O	88 ul
Extraction Enzyme	2 ul
Total	100 ul

3 Add **100 µl** buffer into each tissue sample and run the reaction as follows:

75 °C **00:15:00**

95 °C **00:05:00**

4 °C **00:00:00**

Tissues are visible or intact after extraction (this is normal).
Vortex DNA extract and spin down before PCR.

PCR 30m

4 Make **20 µl** PCR master mix for each sample.

2x PCR buffer	10 ul
H2O	8 ul
10 uM Primers mix	1 ul
DNA	1 ul
Total	20 ul

5 Run the reaction as follows:

95 °C **00:03:00**

35 cycles

95 °C **00:00:15**

57 °C adjustable **00:00:15**

72 °C **00:00:10 per kb**

35 cycles

4 °C **00:00:00**

Run DNA Gel 30m

6 Take **10 µl** PCR reaction and run DNA gel.