

Genotyping protocol

EM:10674

C57BL/6-A^{tm1Brd} Hdc^{tm1c(EUCOMM)Hmgu}/Kctt

Primers

Hdc-5' primer: AATCACCAGCCACTTGCACAAGCC

Hdc-3' primer: TCCTTCCTCCCTGACCCACATGCC

PCR profile

95 °C, 5 min

95 °C, 30 s 35 cycles

55 °C, 1min

72 °C, 1 min

72 °C, 10 min

4 °C, ∞

PCR mix

10 x PCR Buffer II (Life technologies)	3.0 µl
MgCl ₂ (25 mM)	1.8 µl
dNTP mix (25 mM of each nucleotide)	0.24 µl
primer A (100 µM)	0.15 µl
primer B (100 µM)	0.15 µl
primer D (100 µM)	0.2 µl
AmpliTaq Gold (5 U/µl)	0.2 µl
DNA template (~ 0.5 µg tail DNA)	2.0 µl
H ₂ O	<u>22.26 µl</u>
	30 µl

Post-PCR analysis

2% agarose gel.

Expected pattern is **KO: 608 bp**
Wt: 405 bp