Genotyping protocol

EM:11179

B6.129X1-Esr1^{tm1Gust}/Kctt

Primers

ERα in1SP 5´ **GGA ATG AGA CTT GTC TAT CTT CGT** 3´
ERα ASP3 5´ **GAC ACA TGC AGC AGA AGG TA** 3´

PCR profile

95 ˚C, 5 min

94 ˚C, 30 s — 30 cycles
50 ˚C, 45s
72 ˚C, 90s

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
ERα in1SP (100 µM)	0.15 µl
ERα ASP3 (100 µM)	0.15 µl
AmpliTaq Gold (5 U/µl)	0.15 µl
DNA template (~ 0.5 µg tail DNA)	2.0 µl
H_2O	22.51 µl
	30 µl

Post-PCR analysis

2% agarose gel.
Expected pattern is **wt: 200bp**
Mut: 300bp