

Artemis_KO genotyping protocol

primer:

P1 AGC TCC CGT TGC TCT CTC AG (p3f)

P2 GGA GGA GGA GAA GGT AAT GG (p10b)

P3 CAC GGG ACC TGA GCA CTT CA (p4r)

P1 + P2 yields a band of 219 bp in KO and no band in wt

P1+ P3 yields a band of 1048 bp in wt and no band in wt

program:

P1 + P2 (KO) 95°C 5 min
95°C 1 min
58°C 1 min
72°C 2 min back to step 2, repeat 35x
72°C 10min
4°C infinite

P1 + P3 (wt) 95°C 5 min
95°C 1 min
63°C 1 min
72°C 2 min back to step 2, repeat 35x
72°C 10min
4°C infinite

reaction mix:

H₂O: 9.2 µl
10X PCR BUFFER: 2 µl
MgCl₂ 25 mM: 1.2 µl
dNTPs 2,5 mM: 2 µl
Primer 1 (5 pmol/λ) : 1 µl
Primer 2 (5 pmol/λ) : 1 µl
Primer 3 (5 pmol/λ) : 1 µl
Taq: 0.4 µl
Dna template 2 µl (100ng)
