

### **Artemis Genotyping**

1. Prepare DNA by standard isopropanol/ethanol extraction.
2. Make a Primer Mix containing both **wt** or both **mut** primers at 10 pmol/  $\mu$ l (each) using ultrapure H<sub>2</sub>O.

<b>wt</b>	KMO209	CAAGAGGCATTCGTGTATATGGGTGGC
	KMO210	CCCGTAACAGAGCTATGACAGAACCGGG
<b>mut</b>	KMO209	CAAGAGGCATTCGTGTATATGGGTGGC
	KMO211	ACGGCTATCAGGACATAGCGT

3. Set up a master mix (on ice) for each primer as follows:

12.5 uL Promega GoTaq Mastermix  
.2 uL Primer Mix (=10pmol each primer)  
11.1 uL H<sub>2</sub>O



X No. of samples

4. Add 1 $\mu$ l template DNA to corresponding well in PCR plate.
5. Add 24 $\mu$ l master mix to each well in PCR plate
5. Seal using Microseal film.
6. Keep reactions on ice and load onto PCR block pre-heated to 94°.

### **PCR Program**

94° 3 min.	}	Wt: x31
94° :45 sec		Mut: x34
55° :45 sec		
72° 1:30		
72° 10 min		
10° forever		

### **Expected band sizes:**

Wt: approx. 250bp  
Mut: approx. 1000bp