

Genotyping Mouse Tail

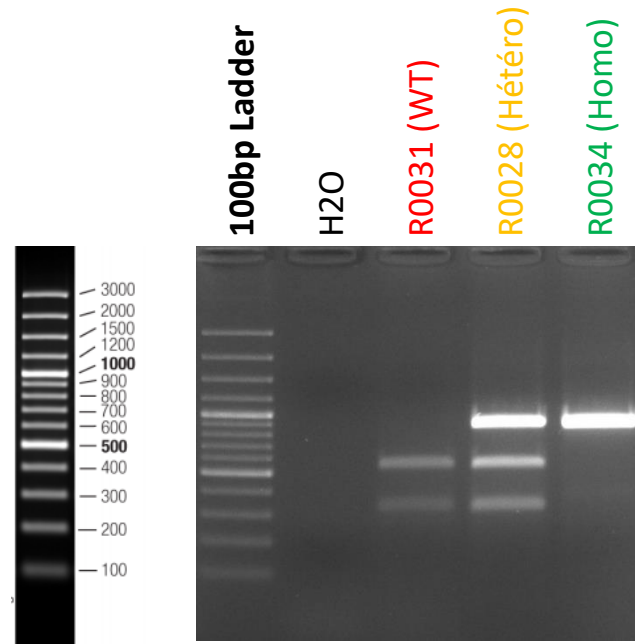
Miro1 R285Q

(Digestion with Restriction Enzyme from NEB for Sequencing)

R0031 – BRK17 – WT

R0028 – BRK17 – Hétérozygote

R0034 – BRK17 – Homozygote



Digested band → R285Q (WT)

Digested band & no digested band → R285Q mutant (Hétéro)

No digested band → R285Q mutant (Homo)

(PCR Promega Go Taq Flexi DNA Polymerase)
(Digestion with Restriction Enzyme from NEB – Taq1a)

Miro1-R285Q	1x	3.5
H2O	12	42
PCR Product	10	35
Enzyme Taq1a	0.5	1.75
10X Smart Cut Neb Buffer	2.5	8.75
Step	Temp	Time
Digestion	65°C	60 min
Inactivation	80°C	20min
Hold	4°C	n/a
Primers Combination	Band size	Genotype
1 and 2	334bp + 569bp	WT
1 and 2	903bp	R285Q mutant

