

## Genotyping of Wt1 CreERT2

### Detection of Wt1 CreERT2:

Primer 1 (Pu 1623): TGAAACAGGGGCAATGGTGCG

Primer 2 (Pu 1624): CGGAATAGAGTATGGGGGGCTCAG

PCR product: 437 nt

### Detection of Rosa26 (internal control)

Primer 3 (R26-1): GGCTTAAAGGCTAACCTGGTGTG

Primer 4 (R26-3): ggagcgggagaaatggatg

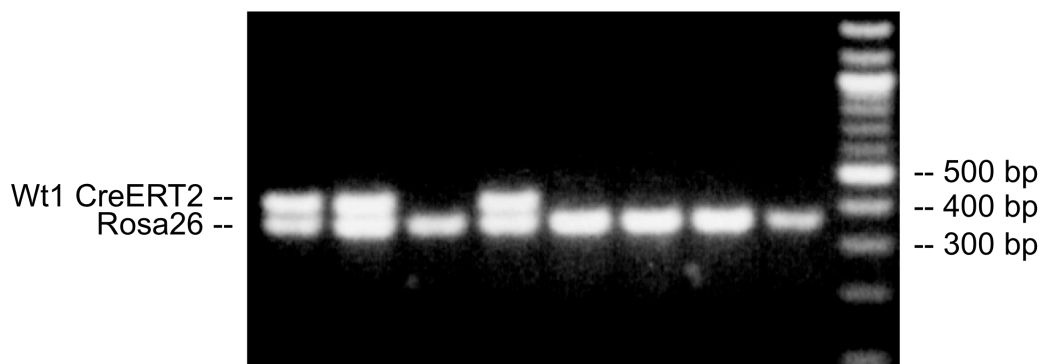
PCR product: 374 nt

### Setup for single PCR reaction (20 ul)

10x Mg-free Taq PCR buffer:	2 ul
MgCl [25 mM]:	1.6 ul
Primer 1-4:	0.4 ul
dNTP:	0.4 ul
H2O:	13.8 ul
Taq:	0.1 ul

### PCR program

initial denaturation:	94C, 4 min
denaturation:	94C, 40 sec
annealing:	60C, 30 sec
extension:	72C, 1:30 min
# cycles:	35
final extension:	72C, 1:30 min



## Genotyping of Wt1 GFPCre

### Detection of Wt1 GFPCre:

Primer 1 (Pu 1621): CACTACCAGCAGAACACCCCCATC

Primer 2 (Pu 1622): TTGCGAACCTCATCACTCGTTGC

PCR product: 302 nt

### Detection of Rosa26 (internal control)

Primer 3 (R26-1): GGCTTAAAGGCTAACCTGGTGTG

Primer 4 (R26-3): GGAGCGGGAGAAATGGATATG

PCR product: 374 nt

### Setup for single PCR reaction (20 ul)

10x Mg-free Taq PCR buffer:	2 ul
MgCl [25 mM]:	1.6 ul
Primer 1-4:	0.4 ul
dNTP:	0.4 ul
H2O:	13.8 ul
Taq:	0.1 ul

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# cycles:	35
final extension:	72C, 1:30 min

