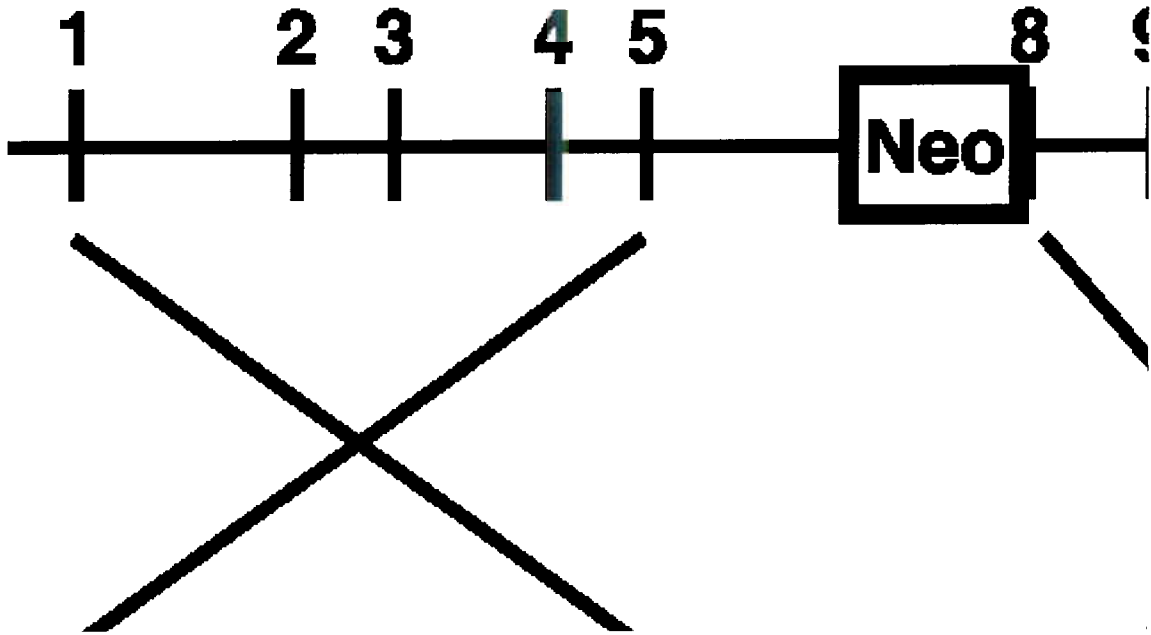


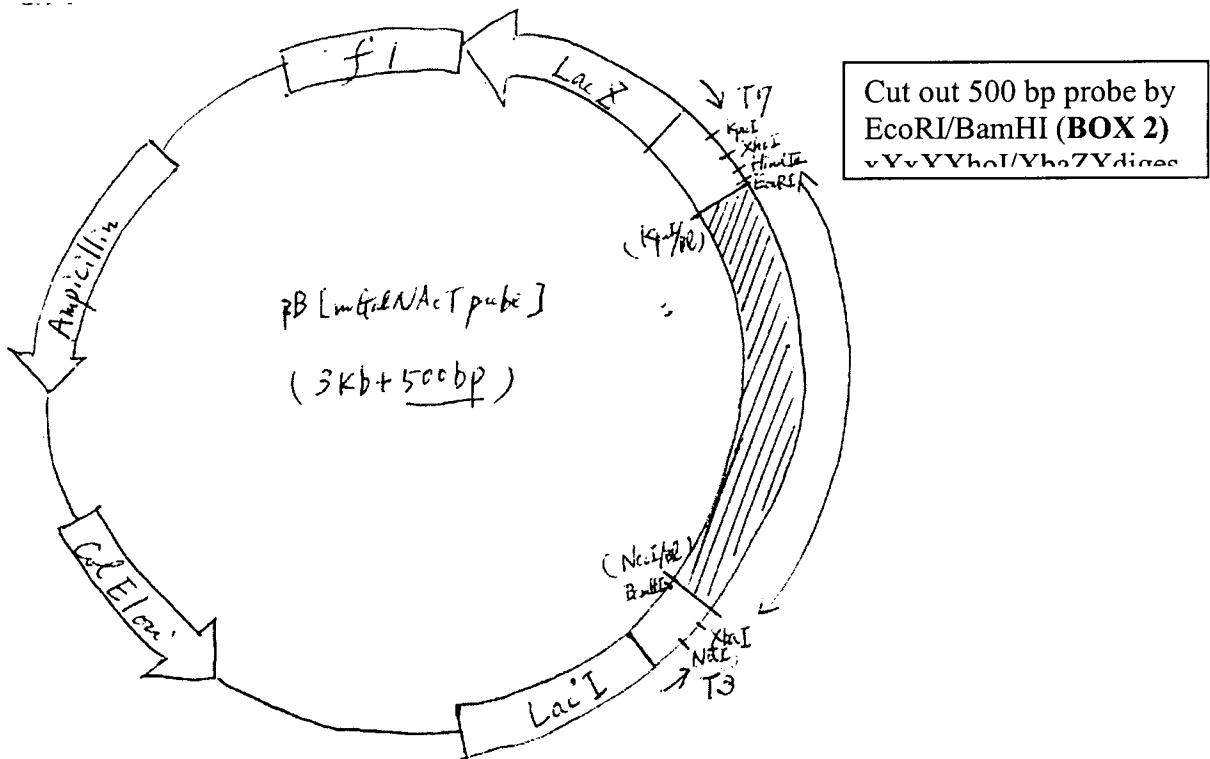
GalNAcT

Targeted Gene:

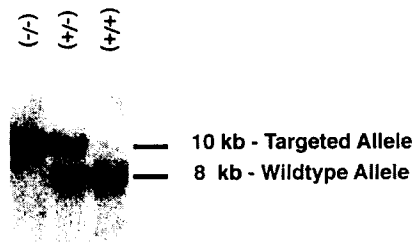


Probe:

Plasmid: pBGalNAcT probe (BOX 1)



GalNAcT Southern: (HIND III DIGESTION)



Genotyping of GalNAcT mice by PCR

Primer 1:

exon 7 S (nucleotids972-993), ACACGTGGAGCACTACTTCATG(11/11, Tm=66°C)

Primer 2:

exon 8 AS (nucleotids1145-1127), AGGTCCAGGGGCGTCTTCT(7/12, Tm=62°C)

Primer 3:

neo AS (nucleotids763-743), TGCAATCCATCTTGTTCAATG(13/8, Tm=58°C)

Reaction mixture (50 µl):

10 x PCR buffer, 5 µl

25 mM MgCl₂, 3 µl

2.5 mM dNTP, 4 µl

Primer mixture (10 time dilution), 1 µl

Geomic DNA (75 – 150 ng/µl), 1 µl

water, 35.8 µl

AmpliTaqGold, 0.2 µl

PCR condition:

(94°C, 10min) x 1

(94°C, 1min -64°C, 30sec -72°C, 2min) x 45

(72°C, 7min) x 1

wild-type band approx. 600bp

mutant band approx: 300bp