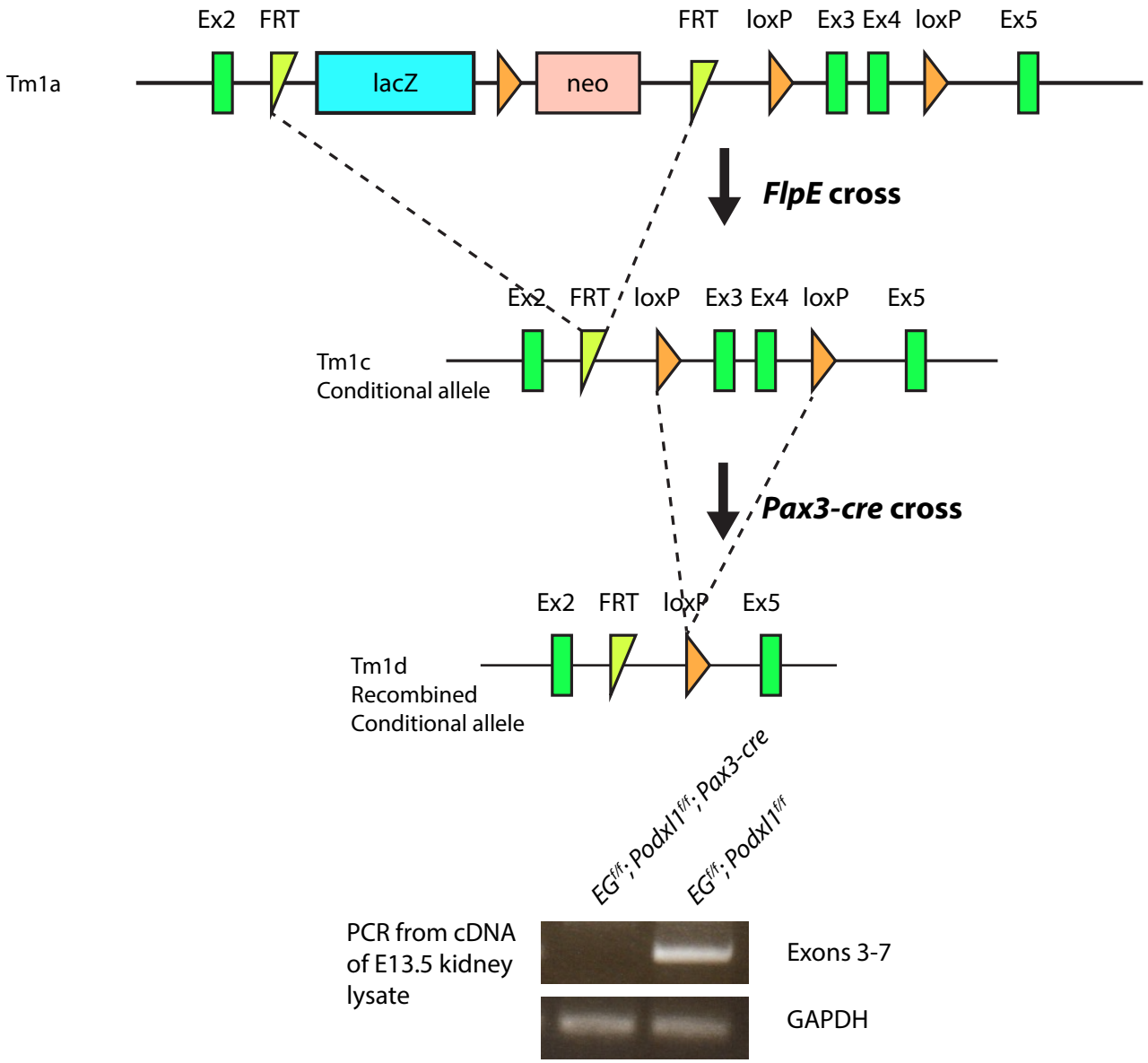
Supplemental Materials and Methods

Eucomm Allele of EG (Podxl2 tm1a$^{(EUCOMM)Wtsi}$), EPD0647_7_C06



Recombination of the *EG* conditional allele by *Pax3-cre* was verified by standard genotyping, and by PCR of cDNA. For the later, total RNA was isolated from E13.5 mouse kidneys using a RNA purification kit (RNease Micro Kit, QIAGEN) and 1µg of total RNA was used for reverse transcription (QuantiTect Reverse Transcription Kit, QIAGEN). The cDNA (50 ng) was amplified by PCR using the primers shown below. The absence of PCR product designed to amplify exons 3-7 *EG$^{f/f}$; Podxl1$^{f/f}$; Pax3-cre* indicates that there was complete recombination in these mice. The product of a PCR designed to amplify exons 5-7 was unaffected (not shown).

Endoglycan (Podxl2): Exon 3-7, 521bp
Forward primer: CAGACTCTCTCCCACCTGGA (Exon 3)
Reverse primer: CACTACAAAGAGCGTCCCGT (Exon 7)

GAPDH: Exon 5-6, 150bp
Forward primer: TGTGTCCGTCGTGGATCTGA (Exon 5)
Reverse primer: TTGCTGTTGAAGTCGCAGGAG (Exon 6)

Figure S1