

## Supplementary Material

### **Targeted deletion of the Kv6.4 subunit causes male sterility due to disturbed spermiogenesis**

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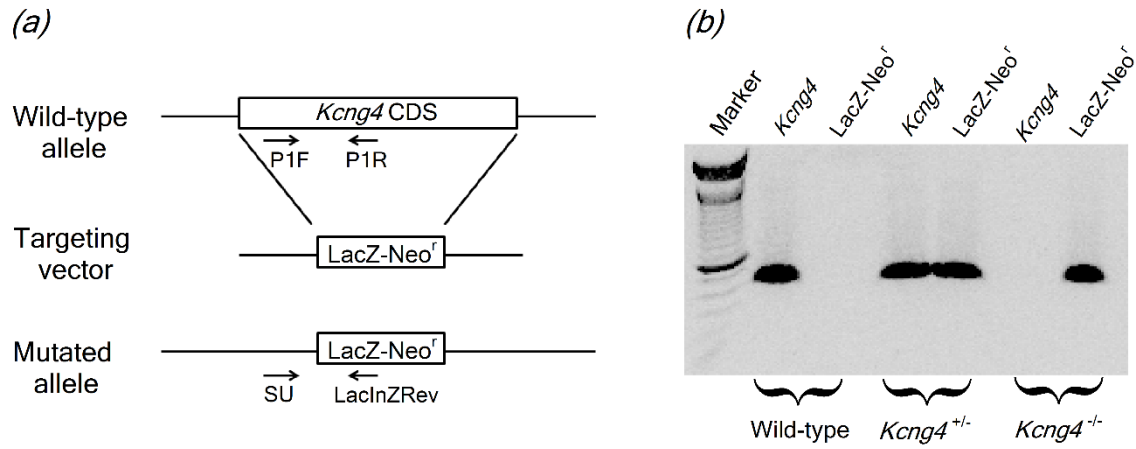
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Supplemental figure 1



**Fig. S1.** Targeted deletion of KCNG4. (a) Schematic overview of the gene targeting strategy. The KCNG4 coding DNA sequence (CDS) was replaced with the LacZ-Neo<sup>r</sup> cassette by homologous recombination between the targeting vector and the WT allele. The presence of the WT allele was examined with genotyping using the P1F and P1R primer pair whereas the presence of the cassette was examined using the SU and LacInZRev primer pair. (b) Genotyping of WT, *KCNG4*<sup>+/-</sup>, and *KCNG4*<sup>-/-</sup> mice confirmed the replacement of the KCNG4 CDS with the LacZ-Neo<sup>r</sup> cassette.