

**Preliminary Characterization of a Leptin Receptor Knockout Rat Created by
CRISPR/Cas9 System**

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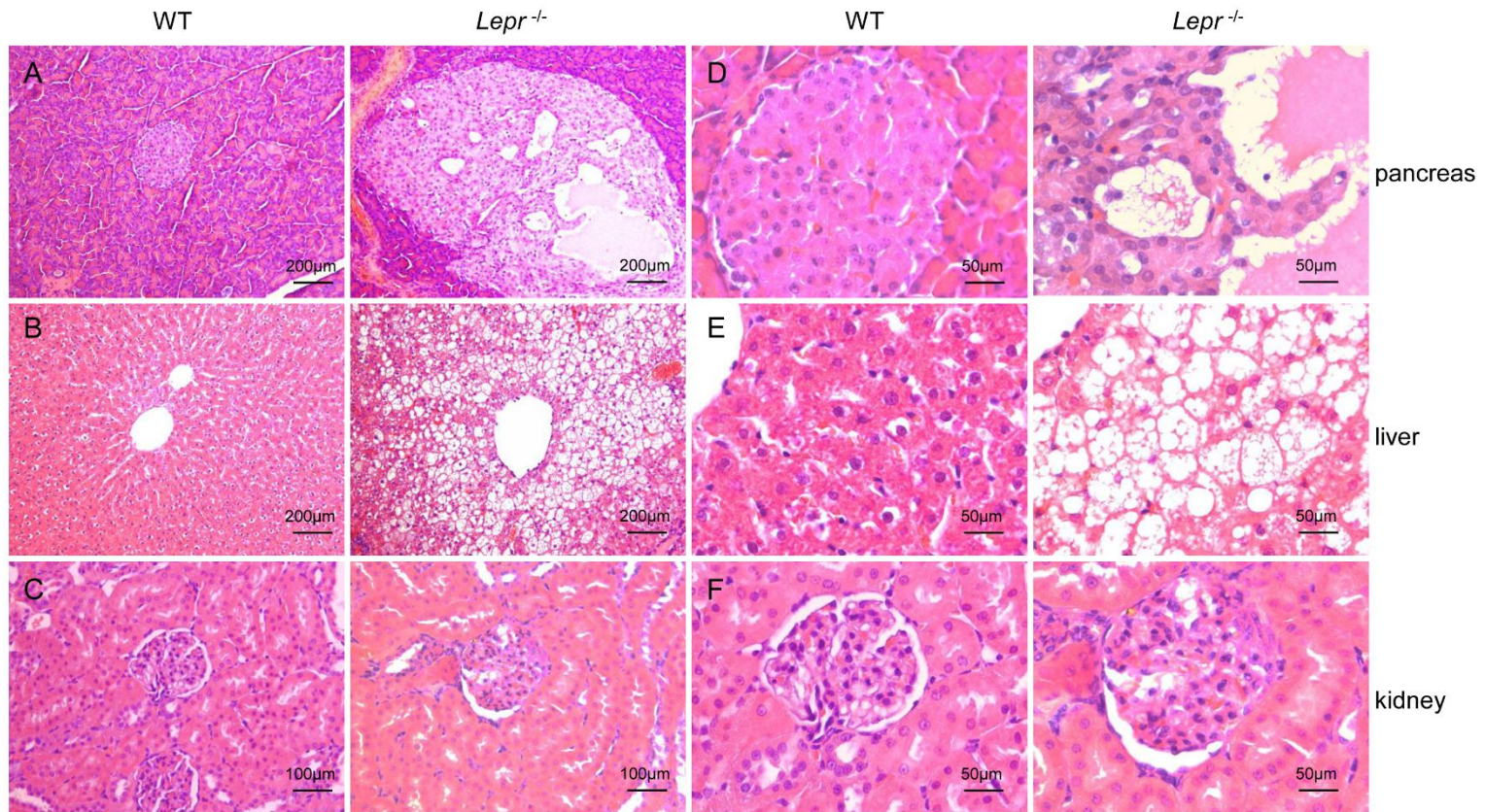
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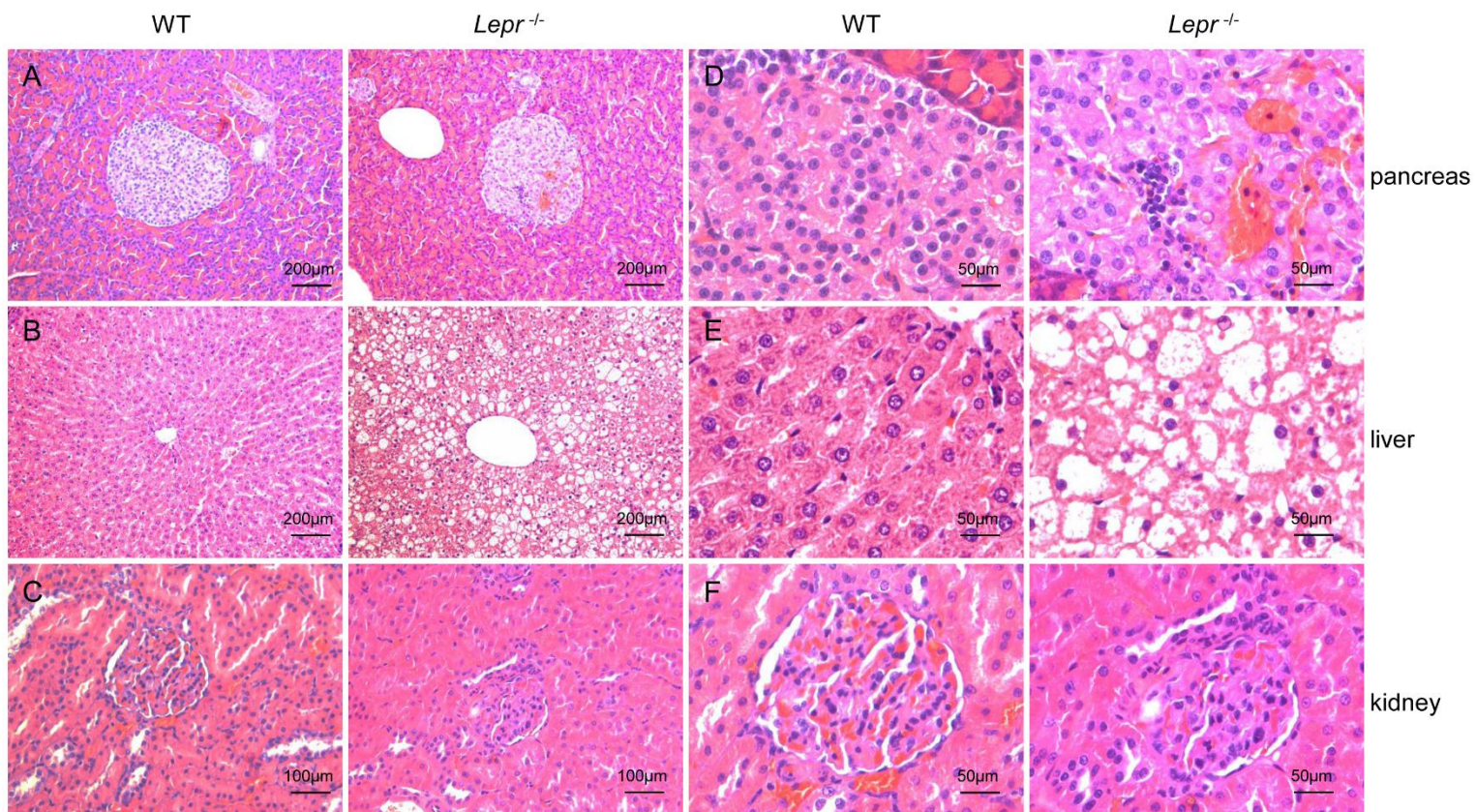
Supplementary Figures

Figure S1



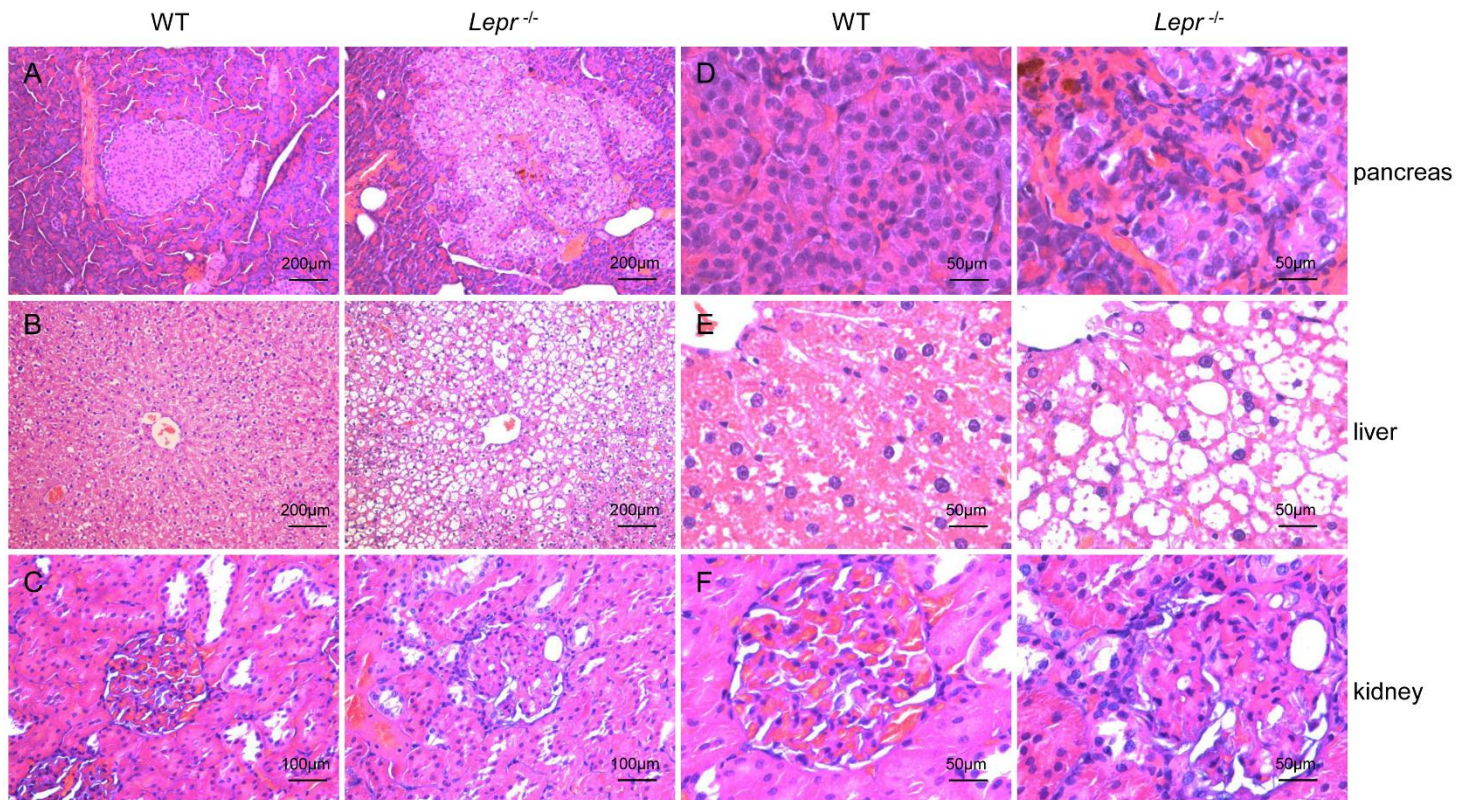
Supplementary Figure S1. Pathological changes of pancreas, liver and kidney in leptin receptor knockout rat at 2 months of age. (A-B) Haematoxylin and eosin (H&E) staining of the pancreas and liver in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 100$); (C) H&E staining of the kidney in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 200$); (D-F) H&E staining of the pancreas, liver and kidney in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 400$).

Figure S2



Supplementary Figure S2. Pathological changes of pancreas, liver and kidney in leptin receptor knockout rat at 4 months of age. (A-B) Haematoxylin and eosin (H&E) staining of the pancreas and liver in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 100$); (C) H&E staining of the kidney in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 200$); (D-F) H&E staining of the pancreas, liver and kidney in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 400$).

Figure S3



Supplementary Figure S3. Pathological changes of pancreas, liver and kidney in leptin receptor knockout rat at 8 months of age. (A-B) Haematoxylin and eosin (H&E) staining of the pancreas and liver in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 100$); (C) H&E staining of the kidney in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 200$); (D-F) H&E staining of the pancreas, liver and kidney in WT littermates and the *Lepr*^{-/-} rats (magnification $\times 400$).