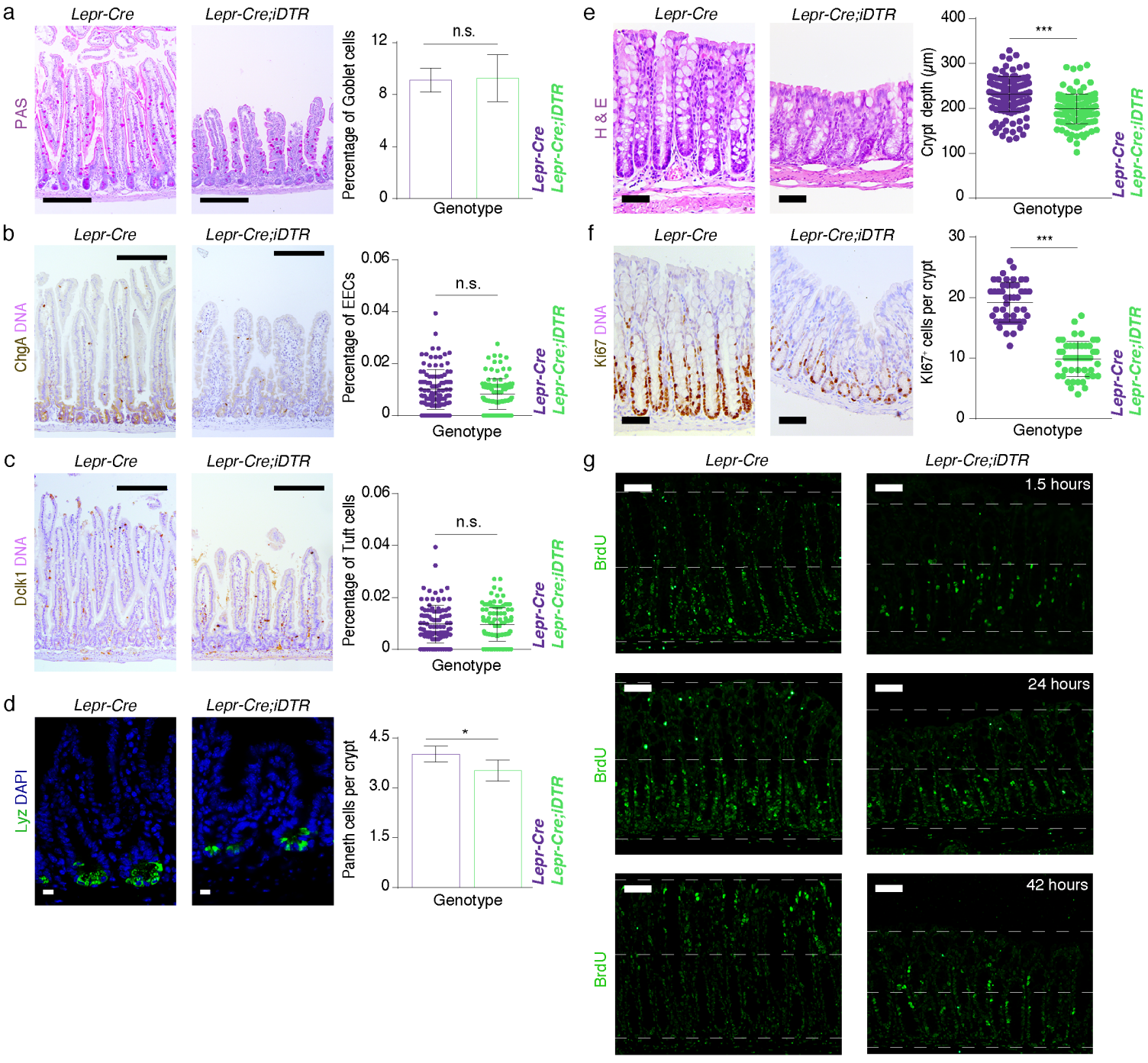
a
Lepr-Cre
Lepr-Cre;iDTR
PAS
Percentage of Goblet cells
n.s.
Genotype
Lepr-Cre
Lepr-Cre;iDTR
b
ChgA DNA
Percentage of EECs
c
Dclk1 DNA
Percentage of Tuft cells
d
Lyz DAPI
Paneth cells per crypt
*
e
H & E
Crypt depth (μm)
***
f
Ki67 DNA
Ki67+ cells per crypt
g
BrdU
1.5 hours
24 hours
42 hours

**Fig. S2 Ablation of Lepr$^+$ cells led to disrupted colonic homeostasis. a** PAS staining in the jejunum from *Lepr-Cre* and *Lepr-Cre*;*iDTR* mice. The mice were injected intraperitoneally with DT for 10 consecutive days. Quantification of the percentage of goblet cells from *Lepr-Cre* and *Lepr-Cre*;*iDTR* mice (n=3). Scale bar: 200 μm. **b, c** Immunohistochemistry for ChgA (**b**) and Dclk1 (**c**) in the jejunum from *Lepr-Cre* and *Lepr-Cre*;*iDTR* mice. The mice were injected intraperitoneally with DT for 10 consecutive days. The percentage of EECs and Tuft cells in intestine was quantified (n=3). Scale bar: 200 μm. **d** Immunofluorescence for Lysozyme in the jejunum from *Lepr-Cre* and *Lepr-Cre*;*iDTR* mice. The mice were injected intraperitoneally with DT for 10 consecutive days. Quantification of Paneth cells per crypt (n=3). Scale bar: 10 μm. **e** Histology of colons from *Lepr-Cre* and *Lepr-Cre*;*iDTR* mice treated for 10 consecutive days with DT. Crypt depth was quantified (n=3). Scale bar: 50 μm. **f** Immunohistochemistry for Ki67 in colons from *Lepr-Cre* and *Lepr-Cre*;*iDTR* mice treated with DT for 10 consecutive days. Ki67$^+$ cells per crypt were quantified (n=3). Scale bar: 50 μm. **g** Immunofluorescence for BrdU in colons from *Lepr-Cre* and *Lepr-Cre*;*iDTR* mice at indicated timepoints post BrdU pulse chase. Dashed lines demarcate the top, middle and base of crypts, respectively. n=3 biological replicates at each timepoints. Scale bar: 50 μm. Values in the graphs represent means ± SD. Unpaired student's t-test was used for calculating P values in **a** - **f**, **P*<0.05; ****P*<0.001; n.s., not significant.