



Supplementary Figure 1: Voxel-wise histogram analysis of *ex vivo* renal T1 and T2 MRI results for (A, B) bpk mice and (C, D) WT control mice respectively. The bpk histograms show progressively increasing number of voxels with high T1 and T2 values for older mice indicative of cystic kidney disease progression. Corresponding histograms for WT control mice show relatively similar T1 and T2 histograms with minimal shifts in mean T1 and T2 values at 8, 14, and 18 days of age.

279x215mm (300 x 300 DPI)