



Supp. Figure 1. Dominant negative effect of nephrin-Y3F mutation in heterozygous mice. **(A)** Coomassie stained gels of consecutive urine samples from CD-1 nephrin^{WT/WT} (WT), nephrin^{WT/Y3F} (HET) and nephrin^{Y3F/Y3F} (Y3F) animals highlighting intermediate and variable proteinuria in 2 representative HET male animals that increases with age. **(B)** Scanning EM of podocyte morphology in C57Bl/6 WT, HET and Y3F animals at 1 month of age, showing comparable foot process architecture across genotypes. **(C)** Transmission EM in C57BL/6 WT, HET and Y3F animals at 4, 6 and 14 months of age showing basement membrane humps in regions of effacement (arrowheads) by 6 months in HET animals comparable to Y3F, and extensive thickened electron dense GBM (arrows) by 14 months. Filtration barrier morphology is preserved in WT animals even by 14 months. Scale bar: 2 μm (B,C).