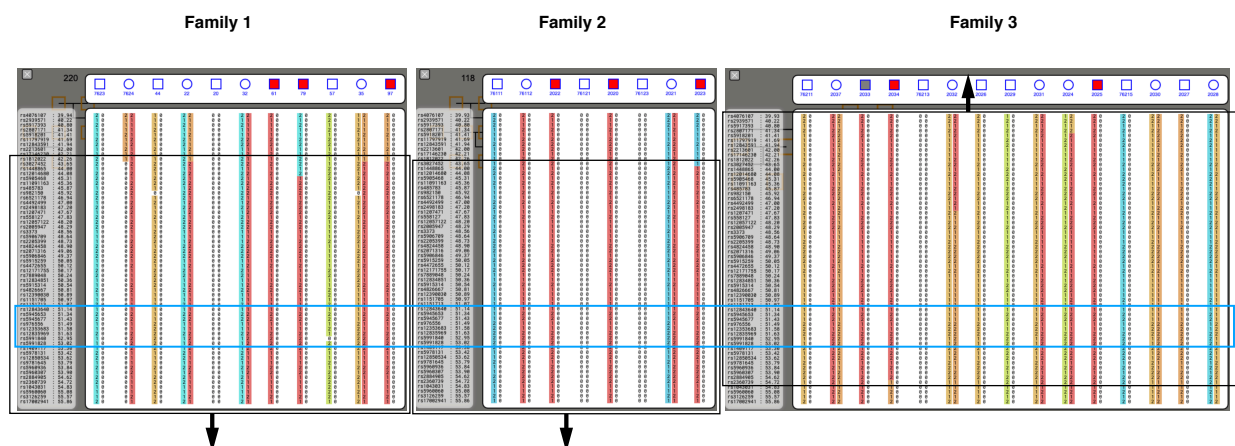


Supplementary Table T1: Histopathology features in familial membranous nephropathy

	Age at diagnosis (years)	Histopathology Features			
		IgG deposition	C3 deposition	Electron dense deposits	Mesangial proliferation
Family 1 (British)					
61	3	Present	Present	Present	Absent
79	10	Present	Present	Present	Present
97	1	Present	Present	Present	Present
Family 2 (Canadian)					
*2020	11	Unknown	Unknown	Present	Present
**2020	11	Unknown	Present	Present	Absent
2022	6	Present	Present	Present	Present
2023	Teenage period	Unavailable			
Family 3 (Spanish)					
2025	5	Present	Present	Present	Present
2034	Adulthood	Unavailable			

*initial biopsy pre-transplant; **post-transplant biopsy with disease recurrence

Unavailable biopsy data was due to time of acquisition, which was over 20 years prior to publication of this manuscript.



Supplementary Figure S1: Haplotype reconstruction of 11Mb-linked region (rs3027452-rs2360739) on chromosome X for Families 1-3. Individuals from pedigrees (see **Figure 1**) are displayed along the top with red symbols indicating affected individuals, white symbols indicating unaffected individuals, and grey symbols indicating individuals with unknown affection. Markers (single nucleotide polymorphisms (SNPs)) are displayed along the left side of each plot, with coloured haplotypes displayed in the centre. Haplotype colours indicate identity by descent. The linked region for each family is displayed within the black boxes, with arrows indicating the upper or lower border is beyond the markers displayed. Shared haplotypes (red) can be seen in affected individuals in each family, as well as in one allele in affected “carrier” mothers. In families 1 and 2, no unaffected family members share this haplotype; however, in Family 3, individual 2033 with unknown affection does share the haplotype with affected relatives. A smaller region of 2Mb (rs12843640-rs5991828, displayed within the blue box) is identical between all risk-allele carrying individuals and is not present in any unaffected individuals, suggesting a founder effect.