## Supplemental Table 1: Demographic and clinical characteristics of patients and controls

|                  | Controls (n=19) | Patients (n=50) |
|------------------|-----------------|-----------------|
| **Sex**          |                 |                 |
| Female           | 53% (10)        | 38% (19)        |
| Male             | 47% (9)         | 62% (31)        |
| **Age (yrs)**    | 15.32±0.89 (19) | 11.56±0.74 (50) |
| **Race**         |                 |                 |
| White            | 37% (7)         | 62% (31)        |
| Black            | 0% (0)          | 14% (7)         |
| Asian            | 16% (3)         | 4% (2)          |
| **Primary diagnosis** |             |                 |
| Glomerulonephritis |                 | 18% (9)        |
| Nephrotic syndrome |                | 30% (15)       |
| Transplant       | 22% (11)        |                 |
| Dysplasia/CAKUT  | 22% (11)        |                 |
| Others           | 8% (4)          |                 |
| **GFR Schwartz (ml/min/1.73m^2)** | 83.60±4.84 (5) | 62.71±4.83 (38) |
| **Urine albumin/creatinine (ACR) (mg/g)** | 11.57±2.50 (13) | 217.00±48.42 (45) |
| **Urine apoAl/creatinine (µg/mg)** | 0.21±0.15 (16) | 2.89±1.12 (45) |

x±s: mean±SE, n in parentheses

*Race extracted from charts

**GFR documented within 6 months of the study visit
### Supplemental Table 2: Summary of results in patients and animal models

| Model         | Species | Nephron segment affected | ACR | Urinary apoAI | Urinary IsoLG |
|---------------|---------|--------------------------|-----|---------------|---------------|
| Varying disease | Human   | Varied                   | ↑↑↑ | ↑↑↑           | ↑             |
| NEP25         | Mouse   | Glomerulus               | ↑↑↑ | ↑↑↑           | ↑             |
| PAN           | Rat     | Glomerulus               | ↑↑↑ | ↑↑↑           | ↑             |
| DT            | Mouse   | Proximal tubule          | ↑↑  | ↑             | →             |
| FA            | Mouse   | Distal tubule            | ↑   | →             | NA            |

↑ = increased, → = no change, NA = not available

NEP25: Nphs1-hCD25 transgenic mice; PAN: Puromycin aminonucleoside; DT: Diphtheria toxin; FA: Folic acid; ACR: Urinary albumin:creatinine ratio; apoAI: Urinary apolipoprotein AI; IsoLG: Isolevuglandin