**Additional file 1**

**Table S1.** **Quantitative findings on renal function.** Abnormal laboratory parameters are bolded. All parameters were assessed during therapy with Ramiril 1.25 mg.

|  |  |  |  |
| --- | --- | --- | --- |
| **Laboratory parameter** | **Result** | **Unit** | **Reference range** |
| Total protein in serum | 7.5 | g/dl | 6.0-8.0 |
| Albumin in serum | 46.9 | g/l | 38.0-58.0 |
| Urea in serum | 42.7 | mg/dl | 10.0-48.0 |
| Creatinine in serum | 0.35 | mg/dl | <0.49 |
| Calcium in serum | **2.66** | mmol/l | 2.10-2.60 |
| Calcium in urine | **2.97** | mmol/l |  |
| Calcium/Creatinine ratio | **2.84** | mmol/mmol | <1.13 |
| Inorganic phosphate in serum | 1.11 | mmol/l | 0.97-1.94 |
| Sodium in serum | 135 | mmol/l | 132-145 |
| Potassium in serum | 4.0 | mmol/l | 3.1-5.1 |
| Creatinine in urine | **20** | mg/dl | 40-278 |
| Protein in urine | **693** | mg/dl | <100 |
| Albumin in urine | **180.2** | mg/dl |  |
| Immunglobulin G in urine | **30.50** | mg/dl | <5.30 |
| Alpha 1 microglobulin in urine | **127.0** | mg/dl | <4.8 |

**Table S2.** Primer Sequences and localisation of qPCR amplicons

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **chromosome** | **gene** | **position** | **probe**  | **forward primer** | **reverse primer** |
| Xp11.23p11.22 | *CLCN5* | 49851342-49851415 | UPL  | ctgtttaatgactgtggcctct | cctttgcttgtgttgaaacg |
| Xp11.23p11.22 | *SHROOM4* |  50339429-50339489 | UPL | agctgcagcaaggtgtgat | acttgcccttggcaactg |