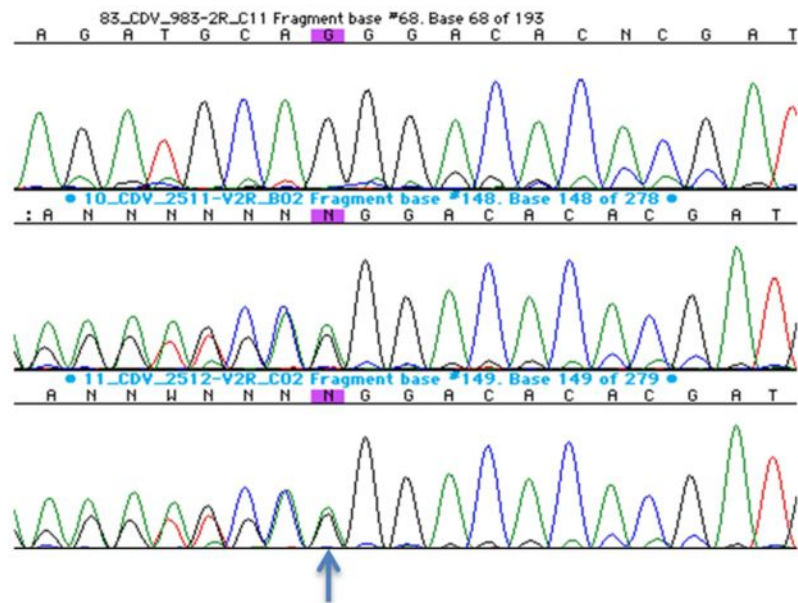
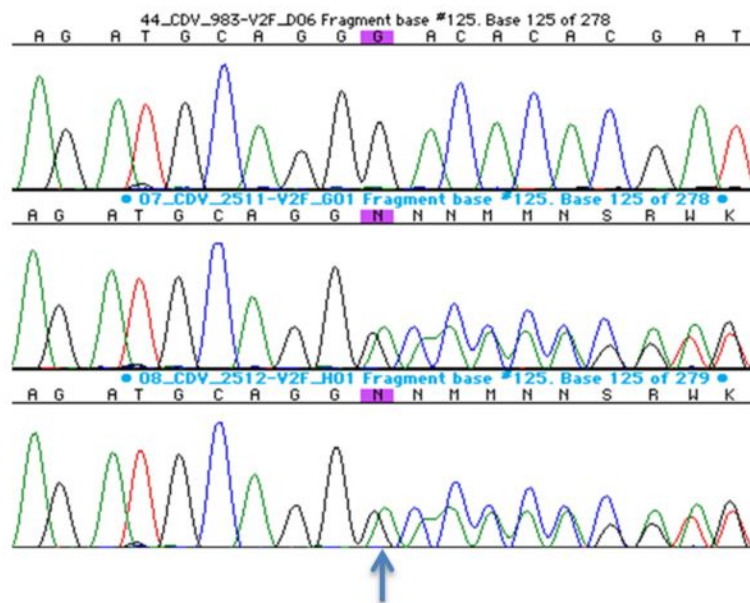


Fig.S-2

Forward sequence

Reverse sequence



Tumor 3

Tumor 1a

Tumor 1b

Tumor 3: wild type sequence for all *VHL* exons (19 bp of exon 2 shown here)

Tumor 1a/1b: frameshift G deletion in *VHL* exon 2 (c.369delG; p.Thr124HisfsX35)

Supplementary Figure 2. *VHL* mutation in some but not all tumors from Family NCI-1326 *VHL* mutation status was evaluated by PCR and Sanger sequencing of exons 1-3 on DNA extracted from proband tumor 3 from 2012 surgery and tumor 1a and 1b (two independent regions from tumor 1) from 2008 surgery. *Upper sequence*: Example of wild-type *VHL* sequence (exon 2 is shown) from tumor 3. *Middle and lower sequences*: Forward and reverse sequences showing deletion of G (arrow) in exon 2 in two regions of tumor 1. Mutation (c.369delG; p.Thr124HisfsX35) creates a frameshift resulting in mutant sequence superimposed on wild-type sequence downstream (forward sequence) or upstream (reverse sequence) from site of G deletion and has previously been reported in ccRCC.