



Supplementary Figure 1: COBRA assays for the hypermethylated regions in the two patients (1 and 2) and 7 controls at the *PRKCZ* and the *FGF2R* loci.

Bisulfite-PCR amplicons of the hypermethylated regions at the *PRKCZ* and the *FGF2R* loci (Figure 3b and 3c) were digested with HpyCH4IV and BstUI, respectively, and electrophoresed using the Bioanalyzer DNA1000 Kit (Agilent). The methylation level of the CpG site(s) assayed was calculated using the signal intensities of the undigested and the digested bands, which are marked by the black and the red arrowheads, respectively. The methylation level is shown on the top of each lane.