

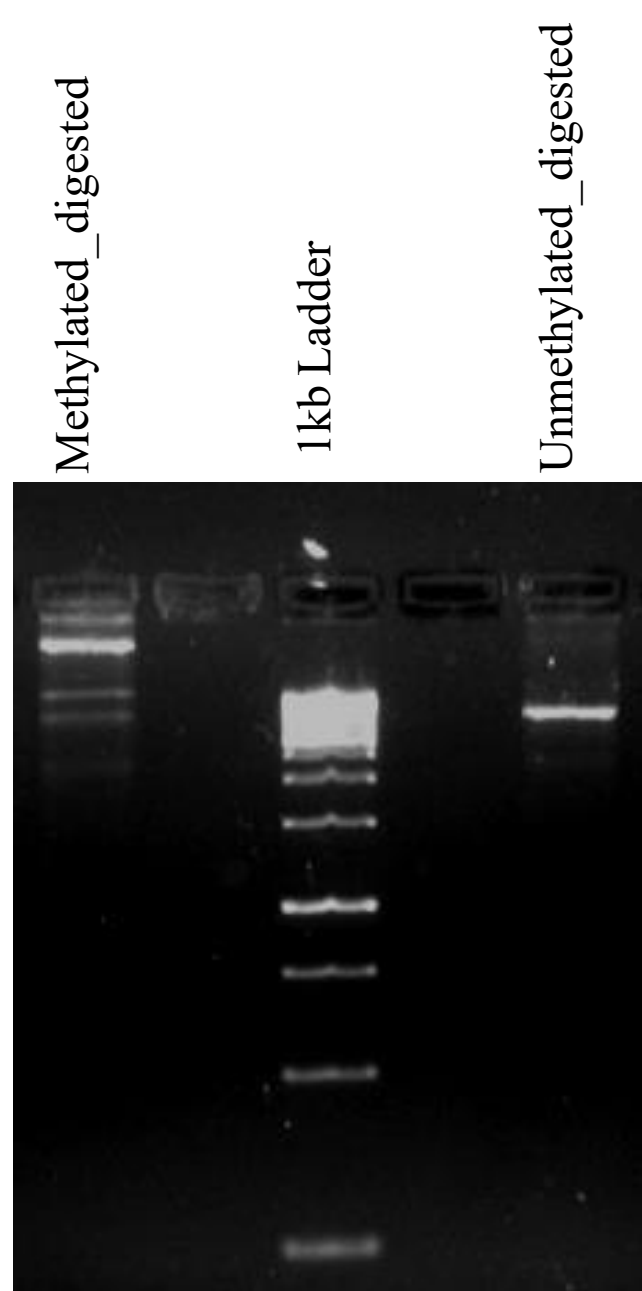


Figure S1: Agarose Gel Electrophoresis of MSRE digested methylated (1st lane) and unmethylated (3rd lane) plasmid (pCpGL) with *CSGALNACT1* promoter. 1kb ladder is loaded in the middle lane.

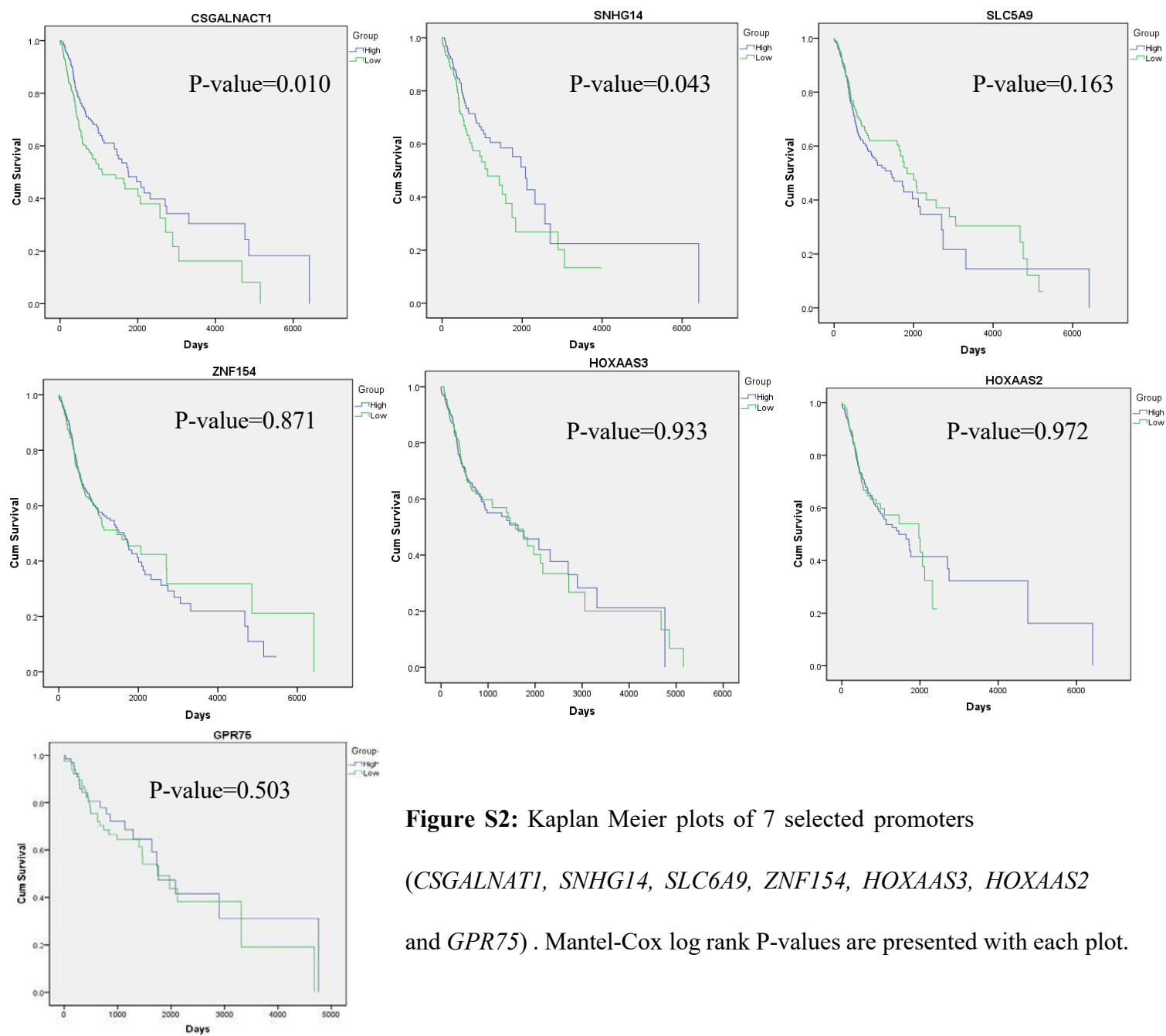


Figure S2: Kaplan Meier plots of 7 selected promoters

(*CSGALNACT1*, *SNHG14*, *SLC6A9*, *ZNF154*, *HOXAAS3*, *HOXAAS2*

and *GPR75*). Mantel-Cox log rank P-values are presented with each plot.

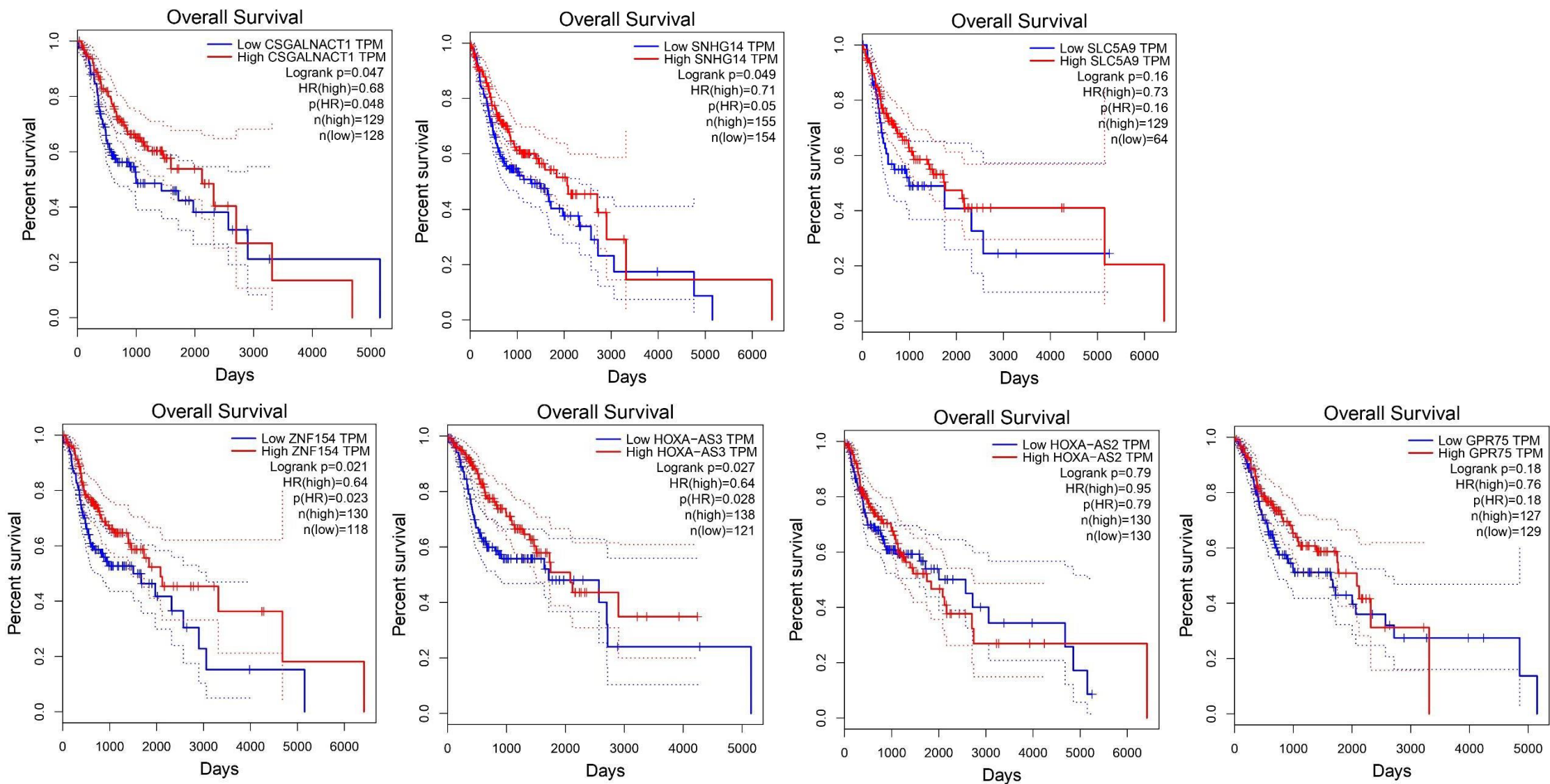


Figure S3 : Kaplan Meier plots of 7 selected promoters based on their expression (*CSGALNACT1*, *SNHG14*, *SLC6A9*, *ZNF154*, *HOXAAS3*, *HOXAAS2* and *GPR75*). Mantel-Cox log rank P-values are presented with each plot.

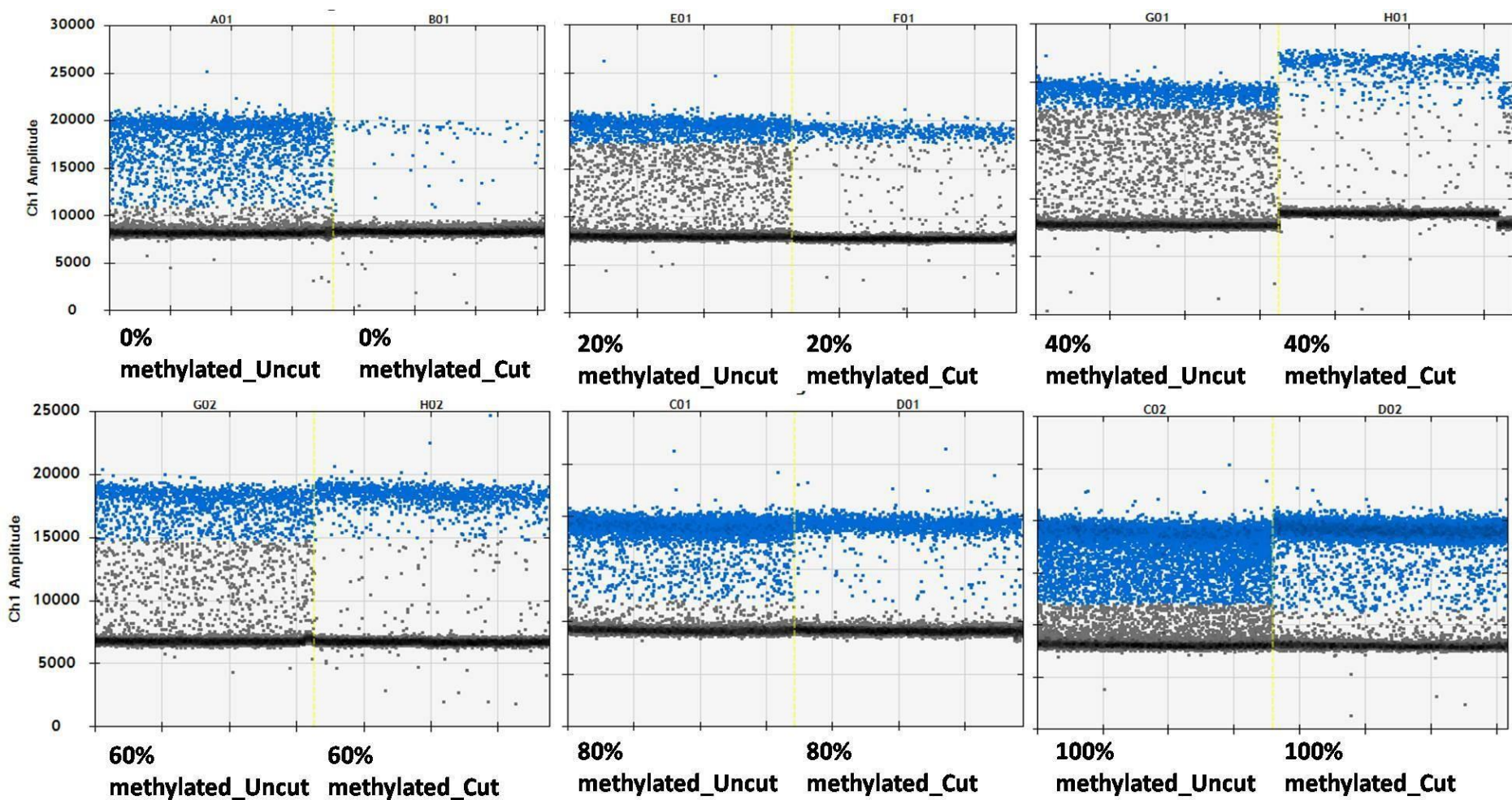


Figure S4: ddMSRE of six different methylation proportions. The proportional increase of positive droplet fractions is obvious with the increasing (0, 20, 40, 60, 80 and 100%) methylation level in methylated digested product (methyated_Cut).

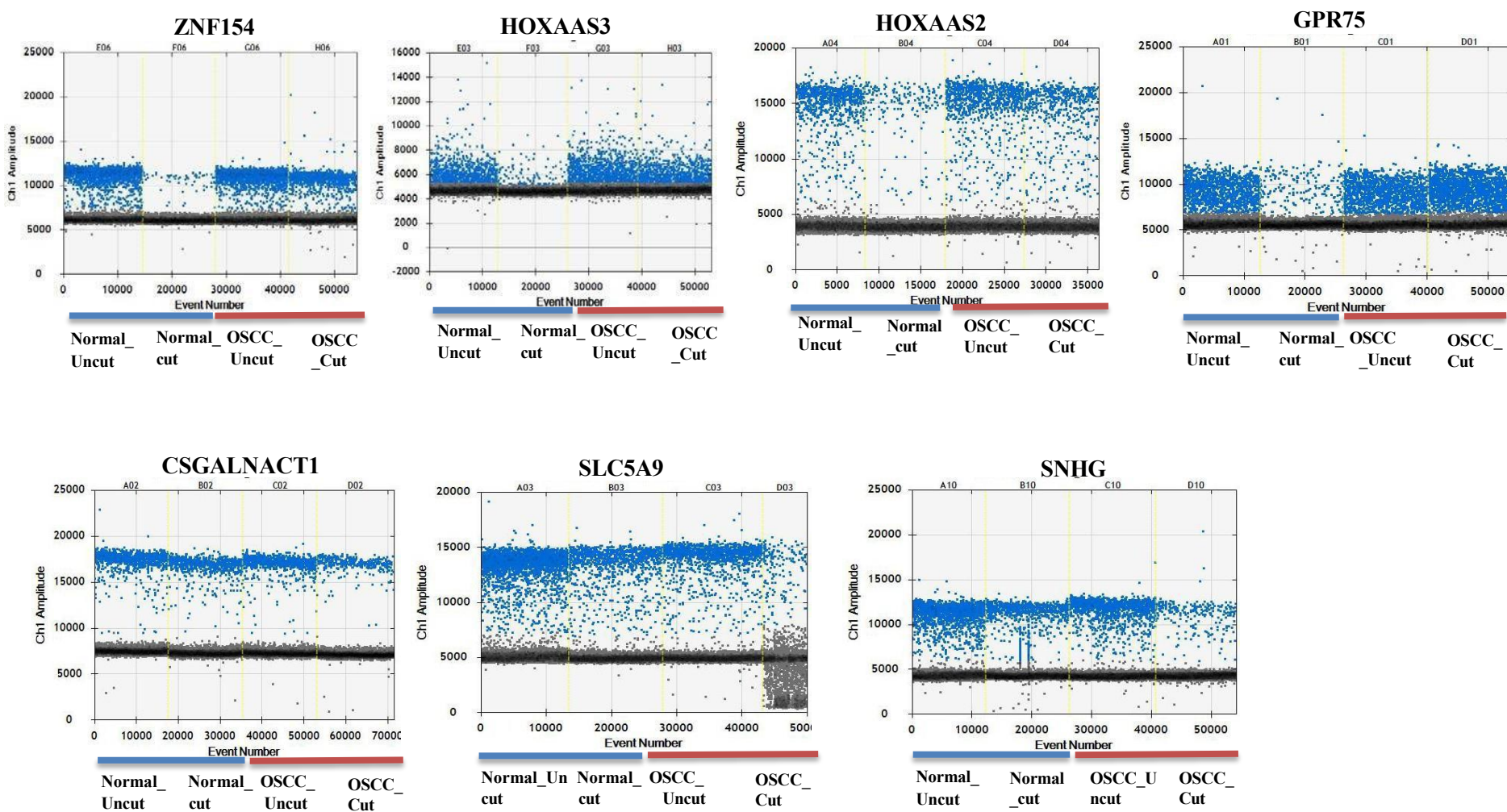


Figure S5: The representation of positive droplet fractions of Normal and OSCC sample in MSRE digested (Cut) and undigested (Uncut) conditions for all 7 promoters of ZNF154, HOXAAS3, HOXAAS2, GPR75, CSGALNACT1, SLC5A9 and SNHG genes.

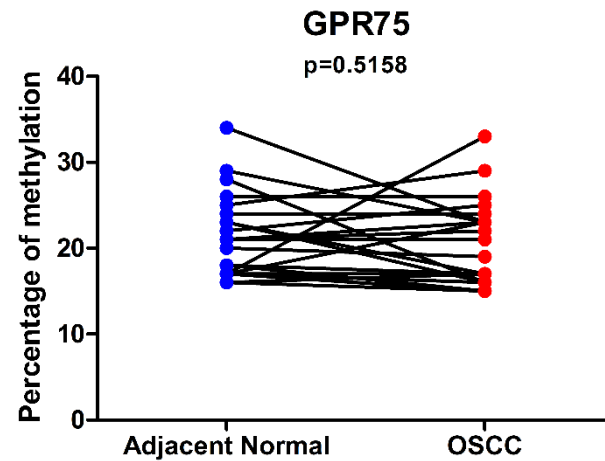
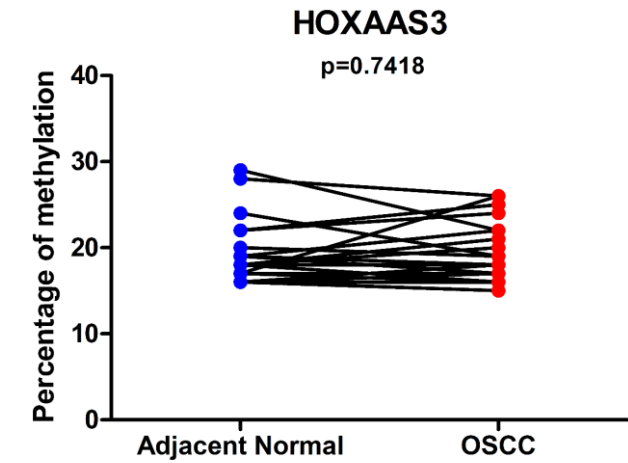
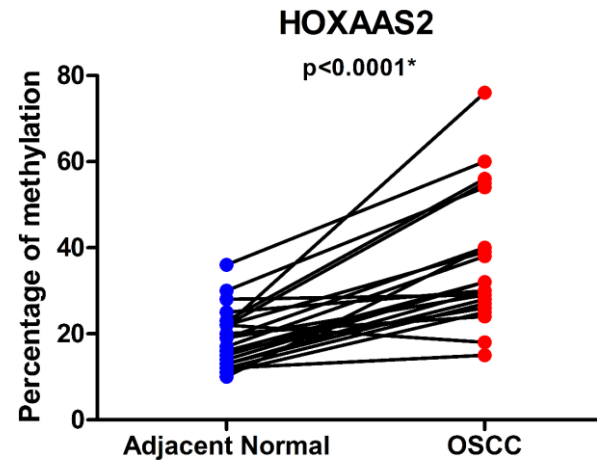
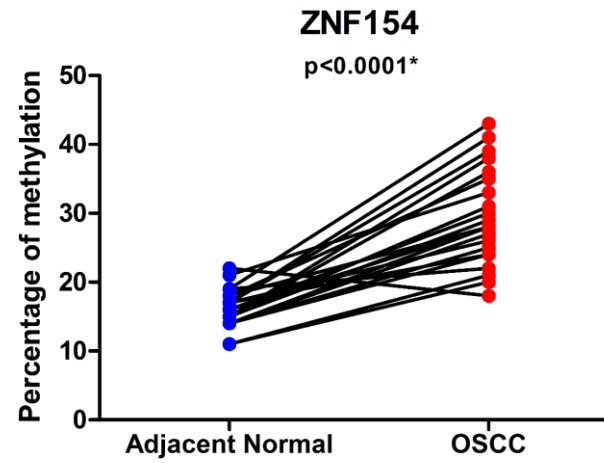
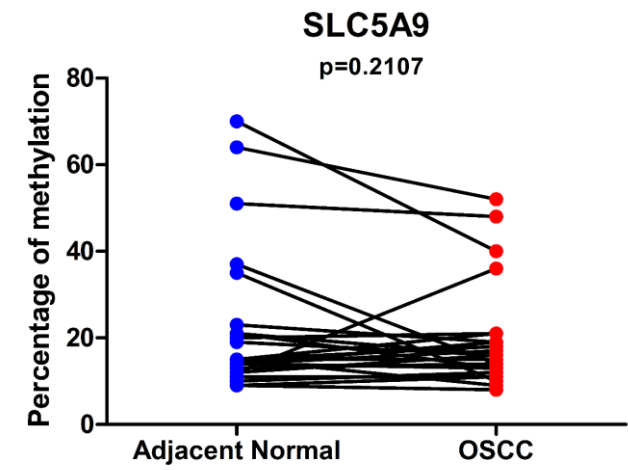
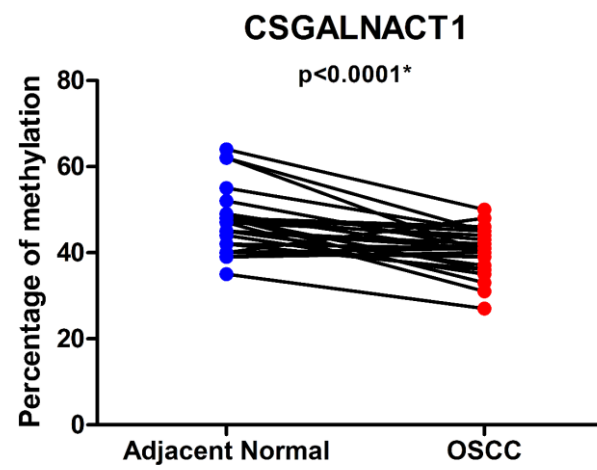
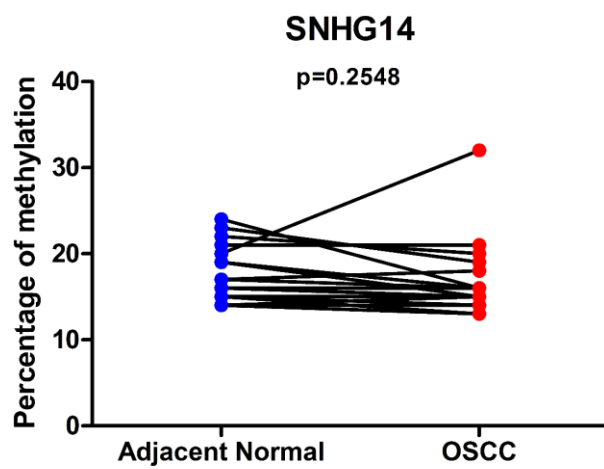


Figure S6: Methylation level of 7 promoters of 25 paired OSCC and adjacent normal tissue samples using pyro-sequencing.