



**Figure S1.** Standard curves for optimization of PCR conditions for the MassARRAY system on representative CpG units. To test the linearity of the protocol, 0%, 50% and 100% methylated control DNA was used as a template. Experiments were performed in triplicate for each sample-CpG unit, and the mean value for the three experiments was used as the DNA methylation level. Error bar: standard deviation. Optimized PCR conditions (annealing temperature and type of DNA polymerases) are summarized in Additional file 4: Table S4.