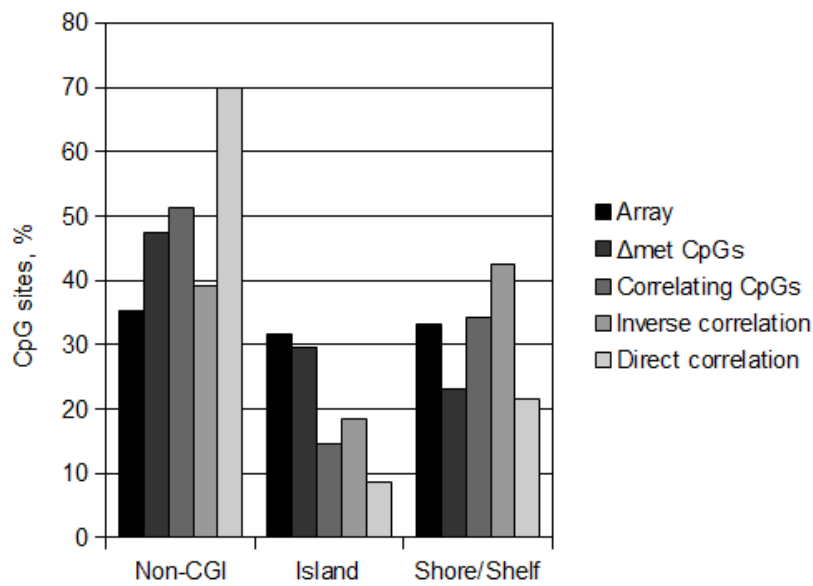
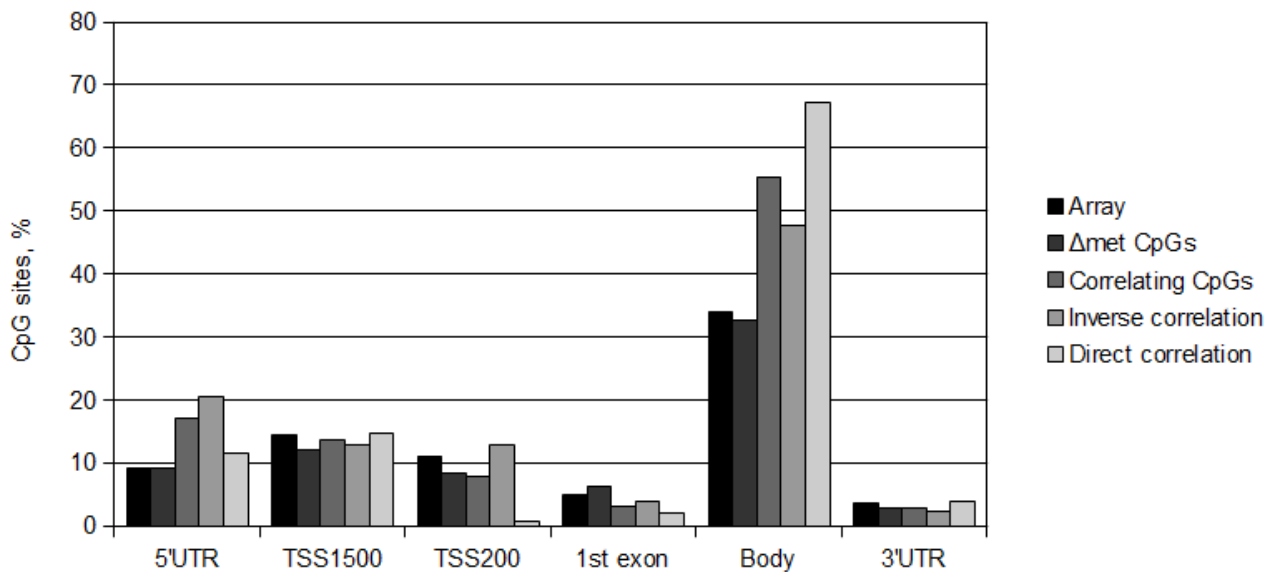


(a)



(b)



**Additional file 11.** Proportions of CpG sites with a correlation between the level of methylation and gene expression across the genome in relation to (a) CpG islands and (b) genes. Array denotes the distribution of probes in the array,  $\Delta$ met CpGs denotes the distribution of the identified differentially with ageing methylated 8540 CpG sites and Inverse and Direct correlation denote the CpG sites where the level of methylation is inversely or directly correlated with the expression of the corresponding gene.