

Supplemental Data Legends

Supplemental Tables:

Supplemental Table 1. CpG sites differentially methylated between cycle phases.

This table includes the full list of differentially methylated CpG sites between cycle phases. This is supplementary to Table 2.

Supplemental Table 2. CpG sites with strong and moderate correlation in gene expression and DNA methylation.

This table provides a longer list of CpG sites that show DNA methylation and gene expression association. This is supplementary to Table 4.

(NEW DATA):

Supplemental Table 3. A selection of loci differentially methylated in eSF treated in vitro with E₂+P₄ vs. E₂.

This table provides a selected list of genes exhibiting differential DNA methylation when human eSF were treated with E₂+P₄ (representing secretory phase) vs. E₂ (representing proliferative phase) that also confirm results from the tissue samples.

Supplemental Figures:

Supplemental Figure 1.

Density plot of all CpG sites' β -values for each sample. One MSE sample shown in red, had an overall different plot and was eliminated from analysis.

Supplemental Figure 2.

Global DNA methylation pattern of endometrium based on both DNA methylation levels and CpG site location within or outside CpG islands.



