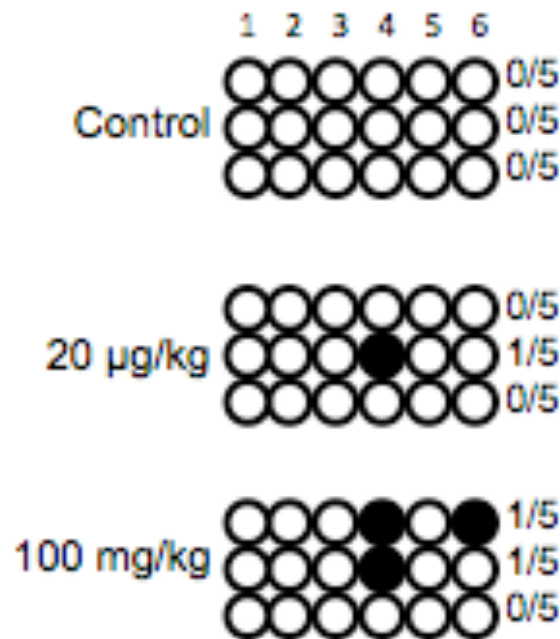


1 **Supplemental Fig. 1. Effects of MXC on methylation of CpG sites in ER α promoter region in adult**
2 **ovaries.** Shown are representative methylation patterns of six CpG dinucleotides in the rat ER α promoter
3 region, -186 to -45 upstream of the transcription start site. Bisulfite treatments were performed and PCR
4 products were cloned. Five clones from 3 animals for each treatment group (n = 15, total of 45 clones)
5 were sequenced. All unmethylated cytosines that were converted to thymine are shown as open circles,
6 and methylated cytosines are shown as filled circles. The number of clones with methylation events are
7 shown as fractions of the total number of clones on the right. No statistically significant differences were
8 found between control and treated groups.

9
10



Supplemental Fig. 1