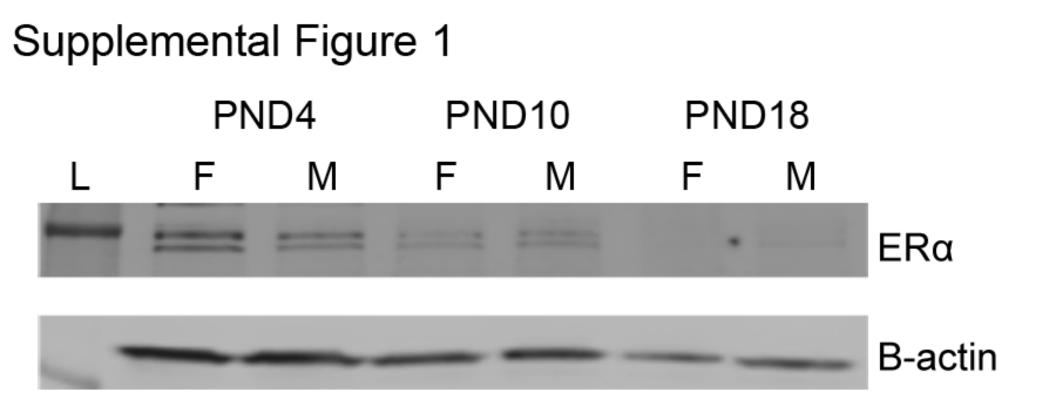
582	Supplemental Figure 1. Western blots with ER α antibody demonstrated that ER α protein expression
583	was high at PND 4 in both female and male mouse cortex. ER α protein expression was lower at PND 10
584	and virtually absent by PND 18 in both male and female mouse cortex.
585	
586	Supplemental Figure 2. To determine if gender influenced the association of MeCP2 with ER α
587	promoters, we conducted a ChIP assay. Cortical tissue was taken from female and male mouse pups at
588	PND 4, 10 and 18. Nuclear proteins were then cross-linked and sheared chromatin was
589	immunoprecipitated (IP) with MeCP2 antibody. Recovered chromatin was amplified by standard PCR
590	using primers spanning regions of Exon A. Non-immune IgG was used in all ChIP reactions as a control.
591	An ethidium bromide-stained gel of PCR products showed a representative of ChIP analysis. In= Input,
592	Ip= immunoprecipitated with MeCP2 antibody, NI=non-immune IgG antibody.



Supplemental Figure 2

