Figure S1. Karyotype analysis of iEn1 and iEn2 cells. Representative G-banded metaphase spreads (original) and the corresponding arranged karyograms for (A) iEn1 and (B) iEn2 cells, showing normal (46,XX) and abnormal (46,XX, 45,XX and 44,XX) chromosome patterns.

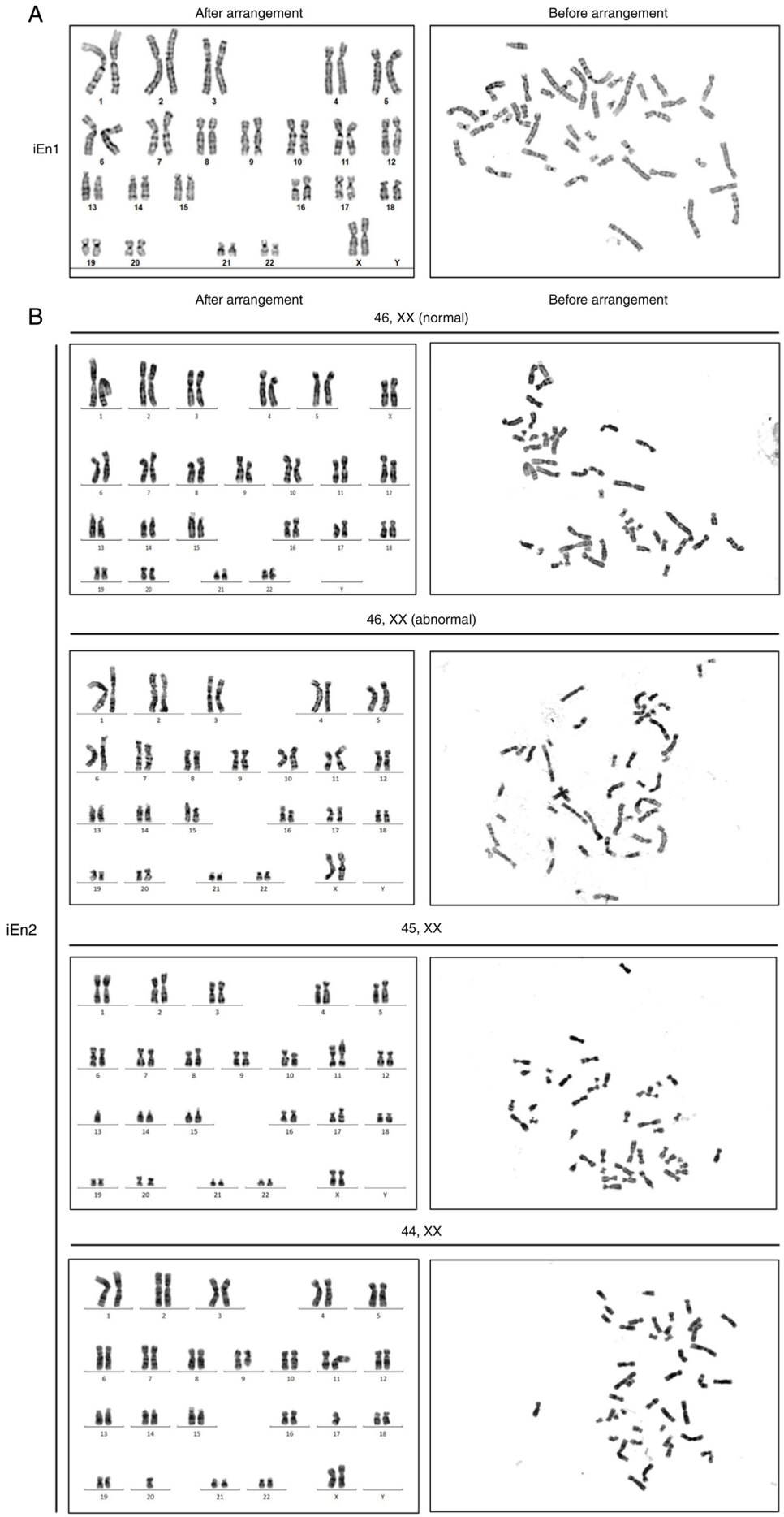

Figure S2. Immunohistochemical evaluation of ERβ (ESR2) and IL-6 expression in original endometriotic tissue and iEn1-derived xenograft lesions. Representative immunohistochemical staining for ERβ/ESR2 and IL-6 was performed on the original En1 patient tissue and the corresponding iEn1-derived xenograft lesion. Expression of either marker was negative in the epithelial component of the original tissue and the xenografted lesion. Scale bar, 50 μm. ER, estrogen receptor; IL, interleukin.

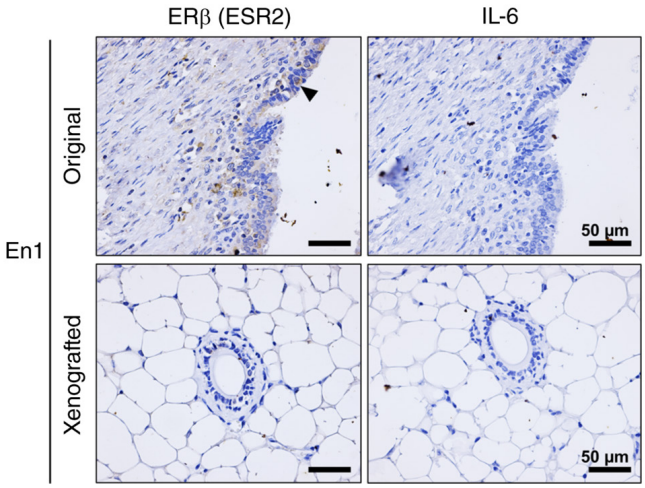

Figure S3. *In vitro* evaluation of estrogen responsiveness in immortalized cell lines. (A) Growth curve analysis of iEn1 and iEn2 cells after treatment with 0, 2 and 200 nM β-estradiol. Cell proliferation was measured as the fold change at OD_{450} relative to day 0. (B) Relative mRNA levels of *COX-2* and *IL-6* in iEn1 and iEn2 cells after 24 h of β-estradiol treatment, quantified by reverse transcription-quantitative PCR. Data are presented as the mean ± SD of three independent experiments.