



**Supplementary Figure S1** Full-thickness endometrial samples from women with and without endometriosis in the secretory phase of the cycle stained for SSEA1, SOX9 and negative control IgG by immunohistochemistry. Scale bar = 500  $\mu$ M. Upper IgG panel shows representative goat IgG negative control staining, with representative mouse IgG negative control staining below. Higher power micrographs are presented in Fig. 1A. Representative micrographs from ectopic endometriotic lesions stained by IHC for SSEA1 and SOX9 (Supplementary S1B). Seventeen ectopic lesions were examined from 13 women. Scale bar = 100  $\mu$ m.