**Text S1**

**Collagen gel contraction assay**

During preliminary experiments, stromal cell-mediated collagen gel contraction was assessed at different concentrations of charcoal-stripped FBS (0%, 2%, or 10%) in culture media. There were no significant differences in endometriotic stromal cell-mediated collagen gel contraction among cells cultured in media with 0%, 2%, and 10% charcoal-stripped FBS. However, endometrial stromal cell-mediated collagen gel contraction in serum-free culture media was significantly lower than those in culture media with 2% or 10% charcoal-stripped FBS. In the present study, we evaluated the effects of PKF 115-584 and CGP049090 on collagen gel contraction in culture media with 2% FBS to minimize the influence of FBS on the assay. Furthermore, during preliminary experiments, contraction was assessed at 4, 6, 12, 24, and 48 h. A time-dependent augmentation of contraction was observed until 24 h; however, only a small additional contraction was observed between 24 and 48 h. Thus, in the present study, we assessed collagen gel contraction at 4, 6, 12, and 24 h.