



**Supplementary Figure S2. Single-cell sequenced spatial distribution.** (A) Endometrial cell types demonstrating differentiation of stromal cells, epithelial cells, and immune cells with their respective sub-types. (B) Distribution of SDC1 across the endometrium. Purple dots indicate cells expressing SDC1. SDC1 is demonstrated across a range of cell types notably epithelial cells but in addition stromal cells. SDC1, Syndecan-1/CD138. (C) Temporal distribution of cells demonstrating cellular groupings across Days 16, 17, 18, 19, 20, 22, 23, 26 of the cycle.