



Supplementary Figure S1 (A) Gene expression levels of *ER- α* , *ER- β* and *ki67* compared between SC⁺ and SC⁻ sorted populations from patients' endometria and endometrioma tissues among endometriosis patients. (B–D) Cell cycle distribution of *in vitro* expanded SC⁺ from H-EnSC, P-EnSC and paired-EndoSC samples from endometriosis patients as well as cancer cell line (SKOV3) cells as positive control, after incubation with bromodeoxyuridine (BrdU) and subsequent detection by anti-BrdU. (B) Histograms with DAPI show no signs of aneuploidy among all three sample groups. (C) Representative flow cytometry plot for BrdU and DAPI. (D) Graph showing the percentage of cells distributed in (i) different cell cycle phases: G0-G1, S and G2 and (ii) total S-phase cells (Early S, Mid S and Late S). Symbol **P* < 0.05.