

SUPPORTING INFORMATION

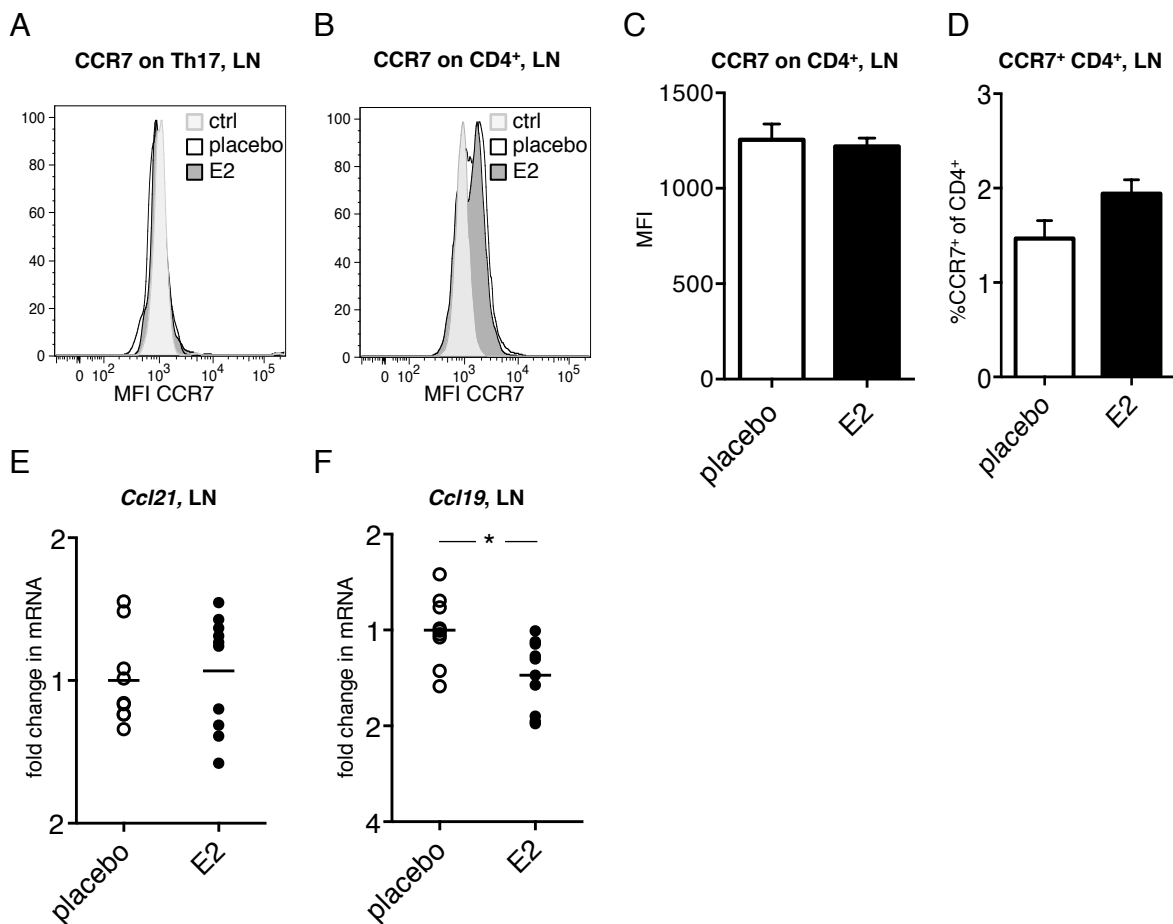


Figure S1. Expression of CCR7 and corresponding lymph node chemokine mRNA after estrogen treatment. DBA/1 mice were ovariectomized, subjected to CIA and treated with E2 (0.83 $\mu\text{g}/\text{day}$) or placebo. **(A-D)** FACS analysis of CCR7 on lymph node cells from mice with CIA day 14. Representative FACS plots where fluorescence minus one (FMO) is control, showing CCR7 expression on **(A)** Th17 and **(B)** all CD4⁺ cells. **(C)** Median fluorescence intensity (MFI) of CCR7 on CD4⁺ cells and **(D)** frequency of CCR7⁺ cells of CD4⁺ cells (single experiments, $n=9-10$ mice/group). **(E, F)** mRNA expression of chemokines in whole lymph nodes from mice with CIA day 14, **(E)** *Ccl21* and **(F)** *Ccl19* (single experiments, $n=9-10$ mice/group). Bars or lines show arithmetic mean + SEM (C, D) or geometric mean (E, F). Student's t-test (C, E, F) or Welch's t-test were used (D) (* $p<0.05$).