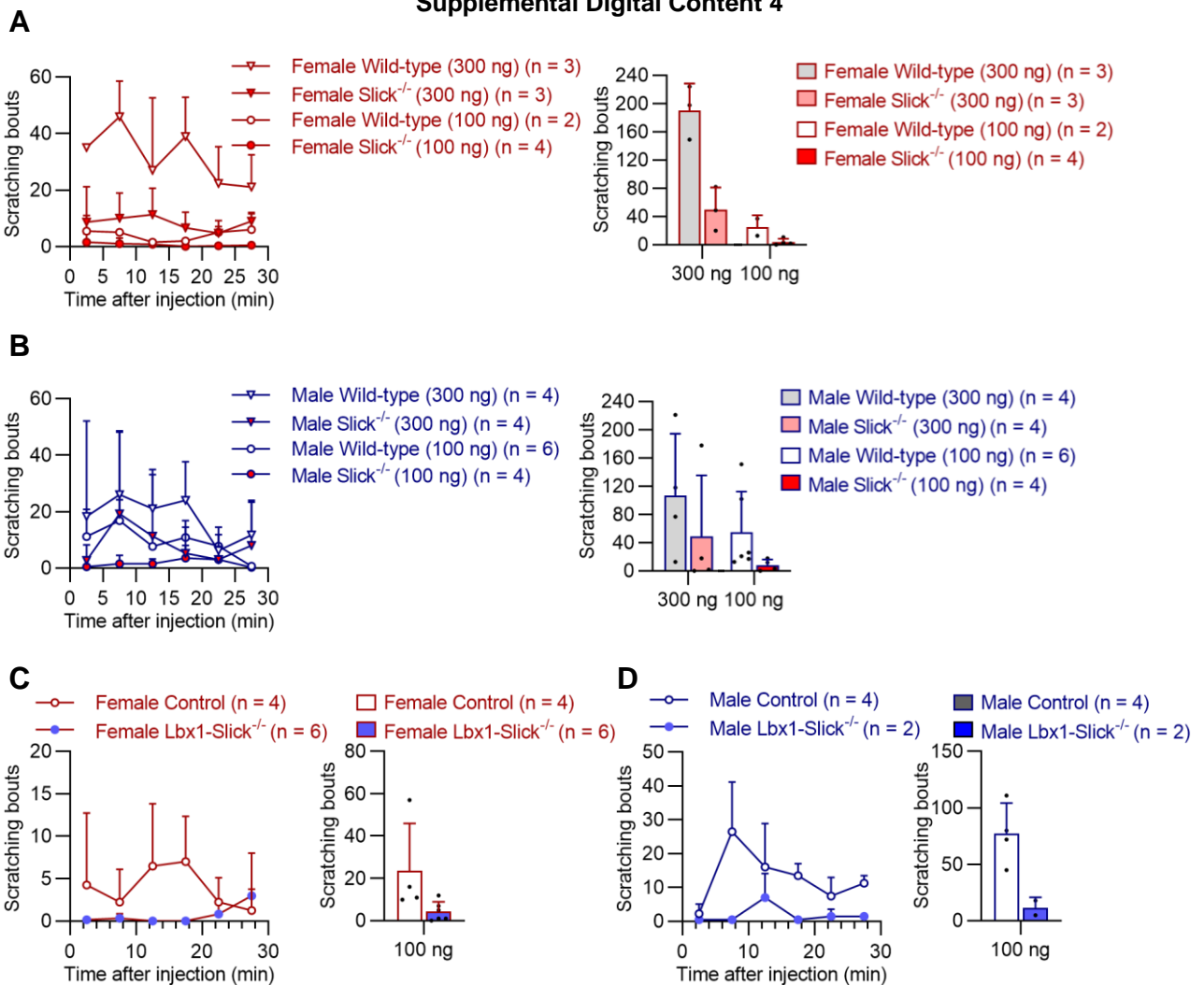


Supplemental Digital Content 4



Supplemental Digital Content 4. Octreotide-induced scratching behavior of *Slick*^{-/-} and *Lbx1-Slick*^{-/-} mice does not show sex-related differences. Data correspond to those presented in Fig. 8D-E, but are separated in female and male cohorts. The time course of scratching behavior induced by intrathecal injection of octreotide at the indicated doses is shown on the left and the sum of scratching bouts in 30 min is shown on the right. (A-B) Behavior of female (A) and male (B) *Slick*^{-/-} and wild-type mice. (C-D) Behavior of female (C) and male (D) *Lbx1-Slick*^{-/-} and control mice. In all experiments, female and male *Slick*^{-/-} and *Lbx1-Slick*^{-/-} cohorts showed a similar tendency towards ameliorated octreotide-induced scratching behavior. Data are presented as mean + SD.