Supplementary Fig. 2 (A – B)

A. **Network 1 predicted by IPA involving mating-regulated genes in rat endosalpinx.** In this network, beta-estradiol, cholesterol, interleukin 13 (IL13), interferon b1 (IFNb1) and nuclear factor kappa B (NFKB) were identified as central **molecules** regulating several **molecules**. Shaded nodes represent genes regulated by mating. Key of relationships in Supplementary Fig. 3.

B. **Network 2 predicted by IPA involving mating-regulated genes in rat endosalpinx.** In this network, interleukin 6 (IL6), intercellular adhesion molecule 1 (Icam1) and amyloid beta precursor protein (App) were identified as central **molecules** regulating several **molecules**. Shaded nodes represent genes regulated by mating. Key of relationships in Supplementary Fig. 3.