Supplementary Figures:

**Supplementary Figure S1. PSC secrete variable or undetectable levels of PGE$_2$.** Culture supernatants from the seven primary PSC lines and the pancreatic fibroblast lines (HPF) or skin (NHDF) were collected when cells were 70% confluent. PGE$_2$ levels were analyzed in supernatants by ELISA.

**Supplementary Figure S2. PSC supernatants do not signal through STAT1 and STAT5.** PBMC were cultured with PSC supernatants or relevant cytokines for 20 minutes and analyzed for levels of A) total STAT1 or phosphorylated STAT1 (pSTAT1); and B) total STAT5 or phosphorylated STAT5 (pSTAT5).