



Supplementary Figure S2. Trophoblast stem cell (TSC) can be induced to differentiate to syncytiotrophoblast (STB).

(A) TSC were cultured in STB differentiation medium for 48 and 96 h, and were compared with TSC cultured in TSC medium. Cells were lysed for real-time quantitative PCR (RT-qPCR) and expression of STB marker *CGB* was expressed relative to *ACTB*. Five experimental repeats, median \pm IQR plotted, $**P < 0.01$ Mann–Whitney. (B) TSC were cultured in TSC medium and in STB differentiation medium for 96 h. Cells were labelled with phalloidin (red), DAPI (blue), and anti-hCG β (green). Scale bars 20 μ m. DAPI, 4',6-diamidino-2-phenylindole.