Supplemental Figure 6: Glucocorticoid inhibits UCP1 expression in brown adipocyte. (A, B) Concentration-response curves of mRNA expression by active glucocorticoid dexamethasone (dex) and inactive glucocorticoid cortisone were measured by quantitative RT-PCR. (C) Primary brown preadipocytes were cultured in DMEM containing vehicle (con) or 10⁻⁶M cortison, 200mM BVT.2733 (BVT.2733), 10⁻⁶M RU486 for 6 days. UCP1 gene expression of brown adipocyte were measured by RT-PCR. Statistically significant differences between control and compound treated cells (*P < 0.05, **P < 0.01) are indicated. (D) Primary brown preadipocytes were cultured in DMEM containing vehicle (con) or 10⁻⁶M dexamethasone, 10⁻⁶M RU486 for 6 days. UCP1 protein levels of brown adipocyte were measured by western blot.