

**SUPPLEMENTARY FIG. S3.** Effects of TGF- $\beta$  super family members on early stage differentiation of hPSCs. Two ng/mL different TGF- $\beta$  super family members were added, respectively, from day 0 to 4. Gene expression levels were checked by qPCR for mesodermal (*Brachyury*, *TIE1*, *EOMES*), endodermal (*SOX7*), and ectodermal (*PAX6*) markers at day 4. Data are represented as mean  $\pm$ SD from three independent experiments. qPCR, quantitative polymerase chain reaction.