

**Figure S1.** (A) Gene expression of the osteogenic marker OPN measured at day 7 and day 20. (B) Gene expression of COL1a1 was measured at day 7 and day 20. (C) Gene expression of the adipogenic marker PPAR $\gamma$  was measured at day 7 and day 20. vitD $_3$  did not affect the expression of any of these markers. Gene expression in controls (left) and vitD $_3$ -treated cultures (right) of the same donor are connected by a line. All gene expression levels were normalized to HPRT.