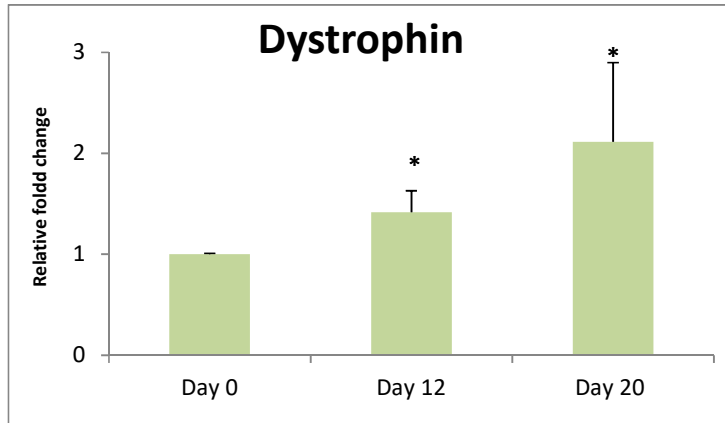


### Additional Figure 5



**Dystrophin gene expression during cardiac differentiation of KIND1 hES cells.** qRT-PCR analysis for Dystrophin gene on days 0, 12 and 20 during cardiac differentiation of KIND1 hES cell line. Expression of Dystrophin is increased in cardiac progenitors and cardiomyocytes compared to undifferentiated KIND1 cells. The results are in agreement with the earlier reports in DOT1L conditional knockout mice heart concluding the Dystrophin as a direct target of DOT1L (Nguyen et al. 2011). Error bars represent  $\pm$  SEM.