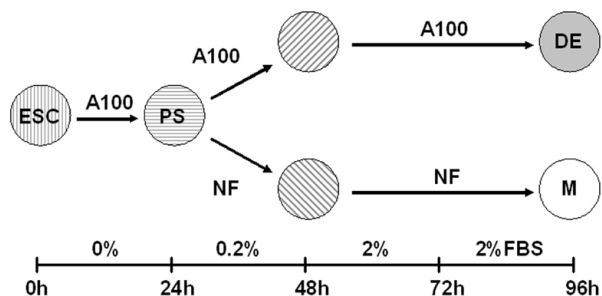


Supplementary Fig. 2 Exogenous activin exposure determines the proportion of mesoderm and DE.

a

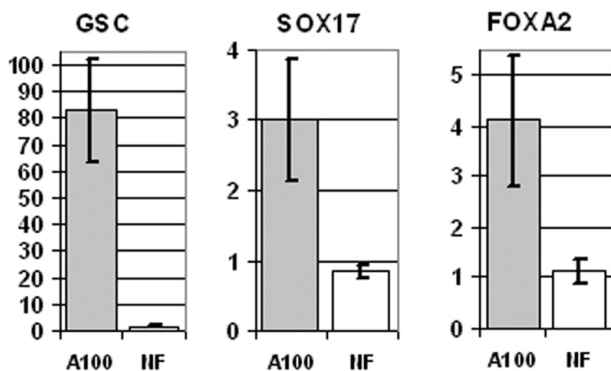


(a) Diagram showing the differentiation procedure for the experiment. Two plates of hESCs are supplied with 100 ng/mL activin in 0% FBS for 24 hours after which it is either removed (NF) or maintained (A100) for the subsequent 3 days of differentiation.

(b) Higher levels of gene expression characteristic of DE (GSC, SOX17, FOXA2) are observed in the condition that maintains high activin A exposure.

(c) Gene expression characteristic of mesoderm cell types (brachyury, FOXF1, FLK1, BMP4, MOX1, SDF1) is primarily observed only when exogenous activin A is removed after the initial 24 hours of exposure.

b



c

