## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Genes expressed in the different clusters identified by k-means clustering of differentially expressed genes during differentiation of EG1 FUCCI-hPSCs (0h, 12h, 24h, 36h, 48h, 60h and 72h) as denoted in Fig. 1h and Supplementary Fig. 1j.

File Name: Supplementary Data 2

Description: GO enrichment analysis in differential open chromatin regions.