

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Sequencing depth of Geo-seq data. The number of reads sequenced of each Geo-seq sample.

File Name: Supplementary Data 2

Description: The number of genes detected in each Geo-seq sample.

File Name: Supplementary Data 3

Description: Normalized distance between the spatial domains of the developmental trajectory shown in Fig. 1c.

File Name: Supplementary Data 4

Description: Oligos and primers used in this study.

File Name: Supplementary Data 5

Description: Differentially expressed genes of proximal-left mesoderm.

File Name: Supplementary Data 6

Description: Differentially expressed genes of proximal-right mesoderm.