

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Gene set enrichments for differentially expressed genes activated and repressed clusters.

File Name: Supplementary Movie 1

Description: Time lapse recording of GCaMP6 fluorescence in the animal pole of control MO stage 10 embryo. Duration= 20s (1 frame per second).

File Name: Supplementary Movie 2

Description: Time lapse recording of GCaMP6 fluorescence in the animal pole of kcnh6 MO stage 10 embryo. Duration= 20s (1 frame per second).