



Figure S1. LARP6 controls the expression of cilia-related genes in a Notch-independent manner. (a) LARP6 is not necessary for the expression of *sox2*, a pan-neural marker [1], in neurula stage embryos. Images are dorsal views. a: anterior, p: posterior. (b) LARP6 does not control the convergent extension in animal caps. The elongation of caps induced by activin (50 ng/ml) was not blocked by depletion of LARP6. Animal cap assay was performed as described in previous work [2]. (c) The expression of ciliary genes and key transcription factors in LARP6 morphants. conMO, L6MO and/or HA-hL6 mRNA were injected into two blastomeres of two-cell stage embryos and total RNAs were isolated at the late neurula stage. RNAs were used for semi-quantitative RT-PCR. (b) Notch signaling does not control the expression of *LARP6* gene. NICD mRNA (100 pg) was injected into two blastomeres of two-cell stage embryos and RNAs were isolated at stage 13. RNAs were used for semi-quantitative RT-PCR. *Hes5* expression shows the activation of Notch signaling. Sequences of primers used; Foxj1: Forward 5'-CTCCAAGAGGAGCAAAGT-3', Reverse 5'-CTTCCATGAACGGTGAGGT-3';

RFX2: Forward 5'- TGCTTCAATGTCTCCTGTGC-3', Reverse 5'- AGGCAGACTGCATCAGAGGT-3'. Other primers were used in previous publication [3, 4]

References

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