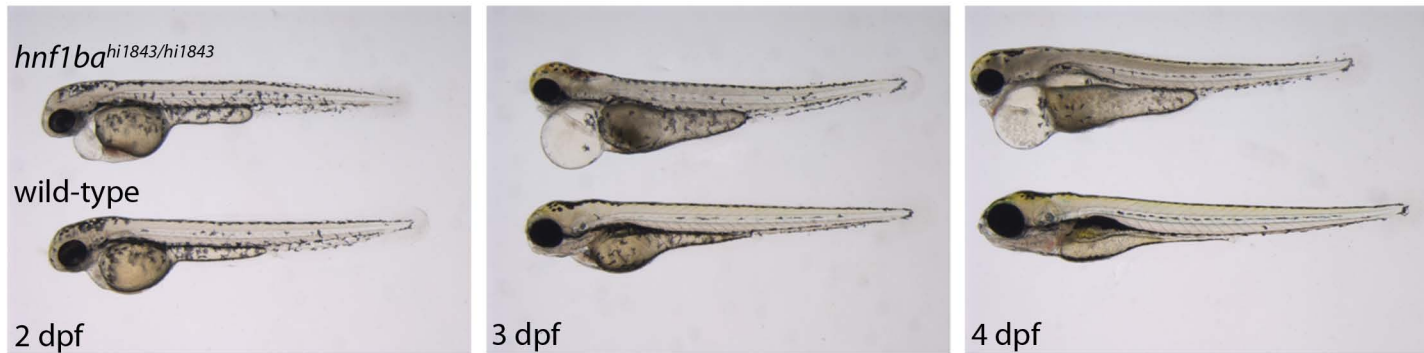


**B**

hnf1 consensus seq. 5' -GTTAATNATTAAC-3'  
*cdh17* promoter (-776 to -739) 5' -GCTTTAACAGACGTTAATGTTTACAGAATTCAAACC-3'

**A****B**

**Supp. Fig. 1. *cdh17:eGFP* transgenic embryos recapitulate endogenous *cdh17* expression and *hnf1ba* and *hnf1bb* are expressed in the pronephros** A) eGFP fluorescence was observed in all segments of the pronephric tubules from 8-somite stage to 5 dpf of stable *cdh17:eGFP* transgenic embryos. B) eGFP transcripts were detected in all pronephric tubule segments of *cdh17:eGFP* transgenic embryos up to 48 hpf, after which eGFP expression was lost in the PCT and PST segments (white arrowhead). C-E) *cdh17*, *hnf1ba*, and *hnf1bb* expression profile from 8-somites to 5 dpf (note *hnf1bb* expression is not observed in the distal late segment (arrowhead) and is not detected in the pronephros after 48 hpf).

**Supp. Fig. 2. An Hnf1 binding motif at position -750 of the *cdh17* promoter is required for *cdh17* expression.** A) Different *cdh17* promoter constructs were generated and injected into zebrafish one-cell embryos to see if they re-capitulated endogenous *cdh17* expression in transient transgenic embryos. We isolated a 300 bp fragment between positions -900 and -600 that contained the promoter activity. Deletion of a single Hnf1-binding site at position -750 within this 300 bp fragment severely reduced promoter activity. B) The Hnf1-binding site in the *cdh17* promoter at position -750 strongly matches the Hnf1-binding site consensus sequence.

**Supp. Fig. 3. *hnf1ba*<sup>hi1843/hi1843</sup> embryos die from edema and *hnf1ba* is redundant with *hnf1bb*.** A) *hnf1ba*<sup>hi1843/hi1843</sup> embryos develop pericardial edema at 48 hpf. This edema becomes more severe and progresses to pronephric edema by 4 dpf. B) *hnf1bb*<sup>mo</sup> knockdown has no effect on *cdh17* expression.