Figure 2
c186/+ x fh252/+
Fig 4

Medaka Chr. 17

5' cdc7 glmn rpap2 gf1 rpl5 fam69a mtf2 ccdc18 SNORD62 wls gng12 gadd45aa ORF rps28 3'

Pufferfish Chr. 15

5' cdc7 glmn rpap2 gf1 rpl5a SNORD21 fam69a mtf2 CNTRL ORF wls gng12 gadd45aa dmxb1a nsun4 3'

Zebrafish Chr. 2

3' cdc7 glmn rpap2 gf1aa ORF rpl5a fam69a mtf2 CNTRL scinl wls gng12a gadd45aa dmxb1a nsun4 5'

Zebrafish Chr. 6

5' fam69a SNORD21 SNORD21 rpl5b evi5b gf1ab glmnb scinl 8 Mb rdh17 dr1 gng12b ORF gadd45aa dmxb1a 25 Mb 3'

* 5' 3' 5' 3' 5' 3'
Figure 5
Figure 6
**Figure 7**

(A) Expression patterns of various genes in WT and c186. The genes include pax6, olig2, nkx2.2, dlx2a, fgf8, neurog1, and kctd12.1.

(B) Expression patterns of f-spondin, nrp1, kctd12.2, vachtb, aoc1, ano2, and otx5 in WT and c186. The images show differences in expression patterns between the two genotypes.
Fig 8
Fig 9
Figure 10
Figure 11
Figure 12

WT

wntless mutant

Wnt responsive

\(\text{dbx1b}\)

\(\text{cxcr4b}\)

\(\text{wls}\)