### Supplementary Figure 1. Microarray validation.

Atoh7, tbx2b and foxn4 are expressed at high levels throughout the eye (A, C, E), but are highly down-regulated in gdf6a−/− eyes (B, D, F). tbx4 expression is highest in the dorsal retina in WT (G) and lost in gdf6a−/− (H). hmx1 is expressed in the nasal retina, lens and pharyngeal arches in WT (I), and expression is lost in gdf6a−/− mutant retina (J). All embryos are 2 dpf. *In situ* pictures are taken at 90X.