

Descriptions of additional Supplementary Data Files

Supplementary Movies 1-3. Optical Projection Tomography of Dlk1 expression in E11.5 embryos Optical Projection Tomography (OPT) of LacZ stained E11.5 Dlk1-FLucLacZ embryos. Absorbance (green) was measured in the liver, cartilage, gonadal ridges, and a subset of forebrain regions in Klpat (Movie 2) embryos. Absorbance was weaker in Klmat (Movie 3) embryos, with very low signal level detected in wt (Movie 1) embryos.

Supplementary Data 1. scRNA-Seq analysis of F1mat-HFD oocytes Excel file containing the 166 most variably expressed genes and those found to be up- or down-regulated in F1mat-HFD compared to F1mat-CD oocytes.