

Description of Additional Supplementary Files

Supplementary Data 1: RNA-seq results from ES cells. Toplevel analyses of Usp9x-high and Usp9x-low ES cells after 8h auxin treatment or following 48h washout in serum/LIF. See Fig. 1 and Supplementary Figs. 1-2.

Supplementary Data 2: RNA-seq results from E8.5 embryos. Toplevel analyses of Usp9x-mutant versus control embryos dissected at E8.5. Significant genes are defined as $p_{adj} < 0.1$. See Fig. 2 and Supplementary Fig. 3.

Supplementary Data 3: Oligonucleotide sequences. Primer sequences used for cloning, qRT-PCR and mouse genotyping.