

### **Description of Additional Supplementary Files**

Supplementary Data 1: DEGs for KO NS relative to WT NS (IPO13<sup>-/-</sup> relative to IPO13<sup>+/+</sup>)

Supplementary Data 2: DEGs for WT ST relative to WT NS (IPO13<sup>+/+</sup> + H2O2 relative to IPO13<sup>+/+</sup> NS)

Supplementary Data 3: DEGs for KO ST relative to KO NS (IPO13<sup>-/-</sup> + H2O2 relative to IPO13<sup>-/-</sup> NS)