

## **Description of Additional Supplementary Files**

**Supplementary Data 1:** Results of the OP-Puro based screen in OIS BJ-Ras-ER

**Supplementary Data 2:** Results of the whole proteome analysis in proliferating BJ-Ras-ER

**Supplementary Data 3:** Results of the whole proteome analysis in OIS BJ-Ras-ER

**Supplementary Data 4:** eIF5A tripeptide motifs present in mitochondrial and cytosolic ribosomal proteins

**Supplementary Data 5:** Oligonucleotides used in this study