Oncogenic stress, Oxidative radiation, Telomere shortening, Tumor suppressor loss

**Supplementary figure 4**

- **Upregulated**
  - PI3K
  - c-Myc
  - ROS
  - DNA damage
  - p62
  - IP3R
  - ANT
  - Ca2+

- **Downregulated**
  - PIP3
  - AKT
  - MEK
  - ERK
  - p38
  - p53
  - ARF
  - MDM2
  - RHEB
  - TSC1/2
  - mTOR
  - Ets
  - p16
  - p21
  - CycA
  - CDK2
  - CDK4
  - CycD
  - CycE
  - CycB
  - CDK1
  - GADD45
  - Bax

- **SASP**
  - FOXM1
  - SAHF
  - Cell cycle arrest

- **Increased cell size**