



**Supplementary Figure 10. Examples of normal mitotic cells, aberrant mitoses, and micronuclei.**

**A)** Representative immunofluorescence images of normal mitotic cells (metaphase and telophase, as well as several aberrant mitoses (anaphase bridges, misaligned chromosomes, multipolar spindles and lagging chromosomes). Cells were probed for phosphorylated Histone H3 (Ser10),  $\alpha$ -tubulin and DAPI was used as a nuclear counterstain. **B)** Representative immunofluorescence images of micronuclei. DAPI was used as a nuclear counterstain. **C)** Representative immunofluorescence images of mitotic cells (left) and nuclei (right) in UMSCC1 cells after treatment with radiation (XRT), B389 or combination treatment. Cells were probed for phosphorylated Histone H3 (Ser10),  $\alpha$ -tubulin and DAPI was used as a nuclear counterstain. **D)** Representative immunofluorescence images of mitotic cells (left) and nuclei (right) in UMSCC47 cells after treatment with radiation (XRT), B389 or combination treatment. Cells were probed for phosphorylated Histone H3 (Ser10),  $\alpha$ -tubulin and DAPI was used as a nuclear counterstain.