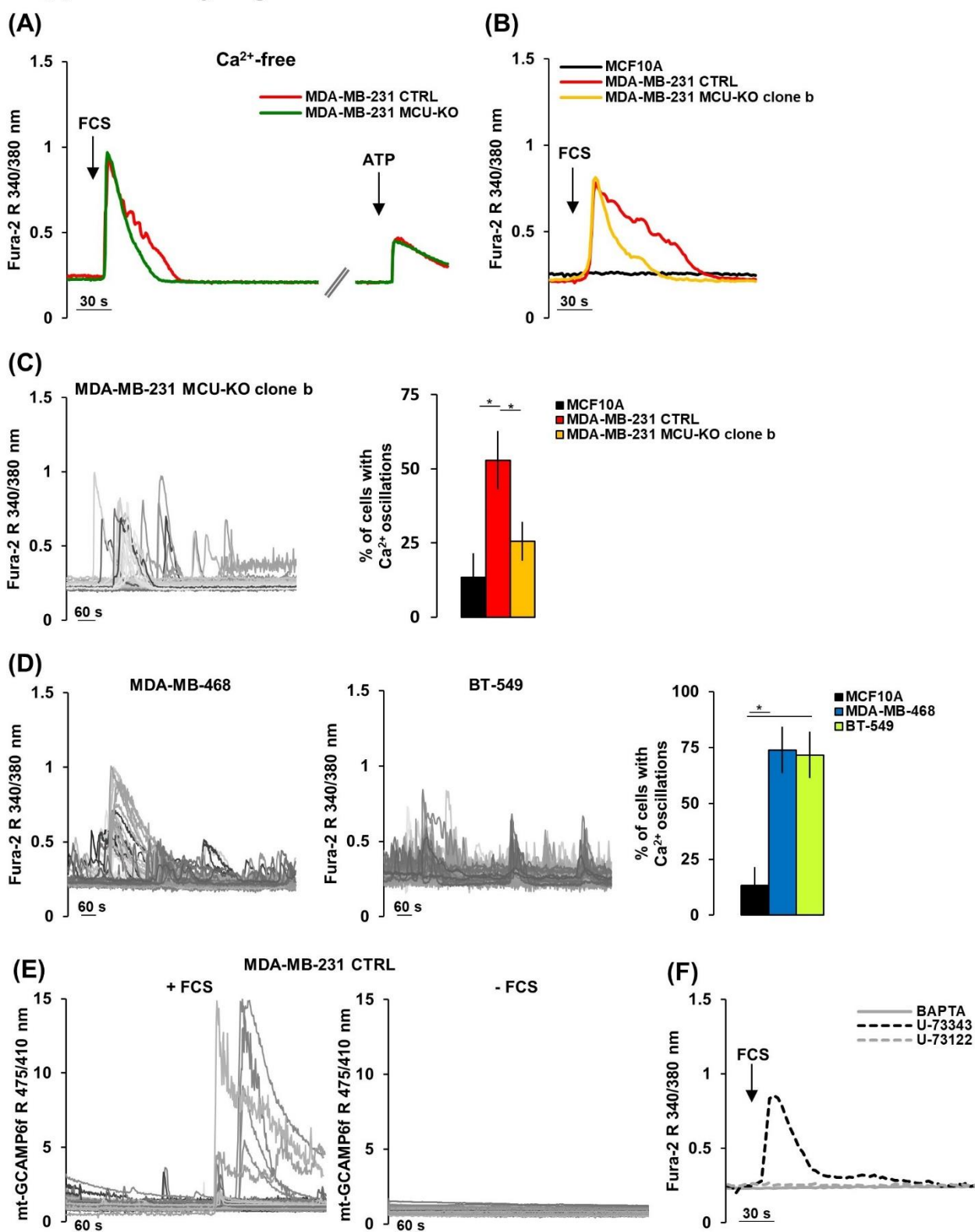


## Supplementary Figure 1



**Supplementary Figure 1.  $\text{Ca}^{2+}$  dynamics in TNBC cells.** (A) Representative traces of cytosolic  $\text{Ca}^{2+}$  dynamics (expressed as FURA-2 340/380 nm R) in MDA-MB-231 CTRL and MDA-MB-231 MCU-KO cells bathed in a  $\text{Ca}^{2+}$ -free, EGTA-containing medium, upon acute stimulation (arrows) with FCS (2%) or ATP (100  $\mu\text{M}$ ).  $n = 25\text{--}48$  cells from 3 independent experiments. (B) Representative traces of cytosolic  $\text{Ca}^{2+}$  variations (measured as in Figure 1A) for the indicated cell types upon acute stimulation with FCS (2%). The traces of MCF10A and MDA-MB-231 CTRL cells are the same of

Figure 1A for a better comparison.  $n = 72-106$  cells from 3 independent experiments. (C) Representative traces of cytosolic  $\text{Ca}^{2+}$  dynamics (measured as in Figure 1C) in MDA-MB-231 MCU-KO clone b cells (see methods), bathed in a solution containing FCS (2%). Each trace represents a cell.  $n = 112$  cells from 3 independent experiments. On the right, bars represent the percentage of cells displaying cytosolic  $\text{Ca}^{2+}$  oscillations within 10 min (see Methods) for the indicated cell type. The bars of MCF10A and MDA-MB-231 CTRL cells are the same of Figure 1C for a better comparison. Mean  $\pm$  SEM.  $n = 92-153$  cells from 3 independent experiments. (D) Representative traces of cytosolic  $\text{Ca}^{2+}$  dynamics (measured as in Figure 1C and S1C) in MDA-MB-468 and BT-549 cells, bathed in a solution containing FCS (2%). Each trace represents a cell.  $n = 99-107$  cells from 4 independent experiments. On the right, bars represent the percentage of cells displaying cytosolic  $\text{Ca}^{2+}$  oscillations within 10 min (see Methods) for the indicated cell type. The bar of MCF10A is the same of Figure 1C for a better comparison. Mean  $\pm$  SEM.  $n = 92-107$  cells from 4 independent experiments. (E) Representative traces of spontaneous mitochondrial  $\text{Ca}^{2+}$  dynamics (expressed as mt-GCAMP6f 475/410 nm R) in MDA-MB-231 CTRL cells bathed in a solution either containing (left, +FCS) or not (right, -FCS) FCS (2%).  $n = 53-67$  cells from 4 independent experiments. (F) Representative traces of  $\text{Ca}^{2+}$  dynamics measured by Fura-2 in MDA-MB-231 CTRL cells, treated overnight with either BAPTA-AM (10  $\mu\text{M}$ ), U-73343 (2.5  $\mu\text{M}$ ) or U-73122 (2.5  $\mu\text{M}$ ), upon acute exposure to FCS (2%).  $n = 32-63$  cells from 3 independent experiments. \* $p < 0.05$ .