

Supplementary Information

A Microdevice Platform Recapitulating Hypoxic Tumor Microenvironments

Yuta Ando¹, Hoang P. Ta¹, Daniel P. Yen¹, Sang-Sin Lee¹, Sneha Raola¹, Keyue Shen^{1,2,3}

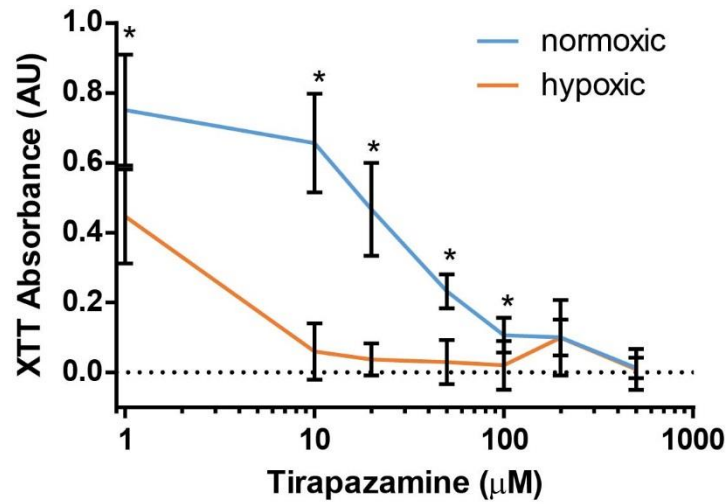
¹Department of Biomedical Engineering, Viterbi School of Engineering, University of Southern California, Los Angeles, CA 90089

²Norris Comprehensive Cancer Center, Keck School of Medicine, University of Southern California, Los Angeles, CA 90033

³Department of Stem Cell Biology and Regenerative Medicine, Keck School of Medicine, University of Southern California, Los Angeles, CA 90033

Correspondence should be addressed to Keyue Shen (keyue.shen@usc.edu)

Supplementary Figures



Supplementary Figure 1. Dose response of MCF-7 cells to tirapazamine (TPZ) under normoxic and hypoxic conditions. 10,000 MCF-7 cells were seeded in a 96-well plate. Cells were pre-conditioned inside a cell culture incubator (normoxic) or inside a hypoxia chamber (hypoxic, 1% oxygen) for 12 hours before treated with different doses of TPZ for 24 hours. XTT cell proliferation assay was carried out according to the manufacturer's protocol indicative of metabolic activities of the surviving cells. *: $p < 0.05$ between normoxic and hypoxic conditions, Student's t-test.