

Description of Additional Supplementary Files

Supplementary Data-1 qRT-PCR analysis of the mRNA expression levels of LXR, SREBP1c and SREBP2 target genes involved in lipid metabolism from 4T1, Met1, MDAMB436, HCC1954 and Py230 cells treated with 27HC (5 μ M) for 24 -72 hours. Numerical source data to support Figure 1e and Supplementary Figure 2a.

Supplementary Data-2 qRT-PCR profiling of the expression of select genes involved in lipid metabolism in 27HCS- and 27HCR derivatives of 4T1, Py230, HCC1954, B16F10 and B6PD cells treated with 0.1% DMSO or 27HC (5 μ M) for 24-72hr. Numerical source data to support Figure 3a and Supplementary Figure 4a.

Supplementary Data-3 The abundance of neutral lipids and phospholipid in 27HCS- and 27HCR-HCC1954 cells. Numerical source data to support Supplementary Figure 4c-j.

Supplementary Data-4 qRT-PCR analysis of the mRNA expression levels of genes involved in lipid uptake and trafficking in 27HCS- and 27HCR derivatives of 4T1, Py230, HCC1954 and B16F10 cell lines. Numerical source data to support Figure 3e.

Supplementary Data-5 qRT-PCR analysis of the expression of genes involved in ferroptosis pathway in 27HCS- and 27HCR derivatives of B16F10, Py230, HCC1954, MDAMB436 and 4T1 cells. Numerical source data to support Figure 4C and Supplementary Figure 6b.

Supplementary Data-6 names and sequences of qRT-PCR primers.