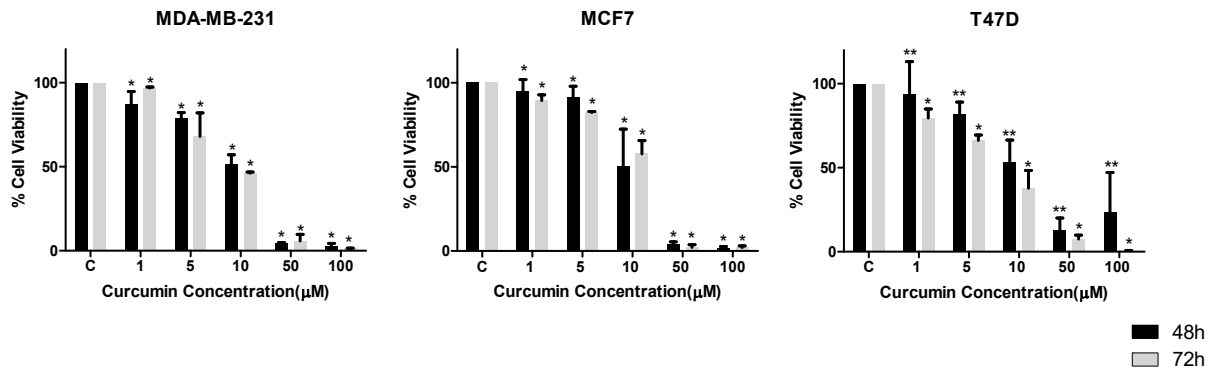


Supplementary Materials:



Supplementary Figure 1: Evaluation of cell viability after Curcumin treatment by LDH Assay: Bar graph depicting cell viability upon Curcumin treatment on 3 cell lines as tested by LDH assay. All experiments were performed a minimum of three times and the bar graph shows mean \pm SEM. Two-way ANOVA test was performed and p value was calculated between control and ST09 treated groups (*p < 0.05, **p < 0.005, ***p < 0.0001, ****p < 0.00001).

| Curcumin | |
|-------------------|------------------|
| | |
| Cell lines | IC50 (uM) |
| MDA-MB-231 | 10.53 |
| MCF7 | 13.95 |
| T47D | 10.17 |

Supplementary Table 1: Structure of Curcumin and IC50 values for the breast cancer cells are tabulated for 48h treatment