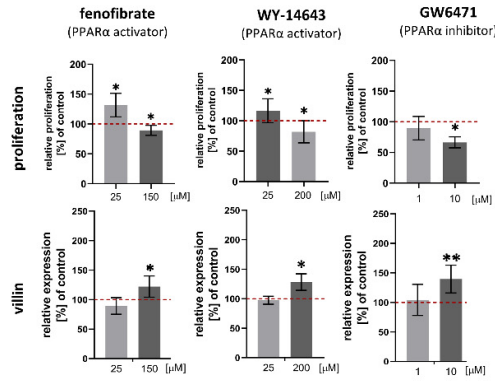
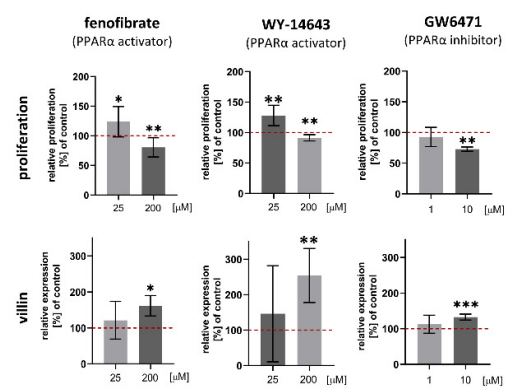


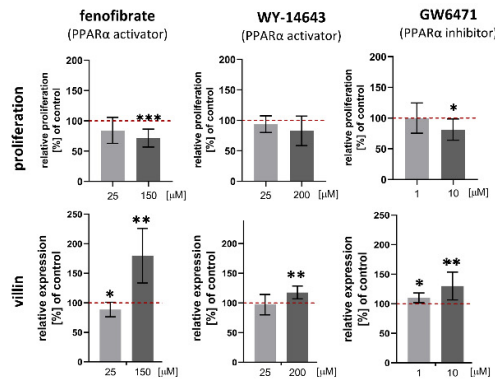
#### A) Undifferentiated HT-29 cells



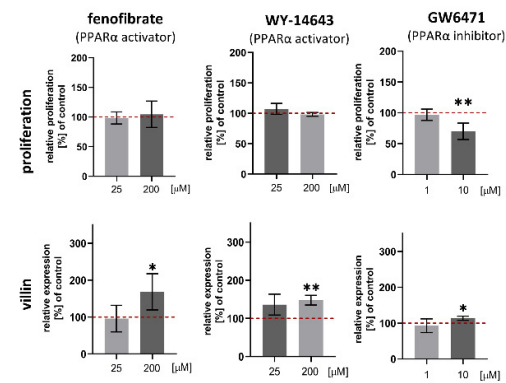
#### C) Undifferentiated Caco2 cells



#### B) Differentiated HT-29 cells



#### D) Differentiated Caco2 cells



**Figure S1. Effect of PPAR $\alpha$  activators (fenofibrate and WY-14643) and PPAR $\alpha$  inhibitor (GW6471) on cell proliferation and expression of villin.** These results were published in our previous study. The experiments were performed under the same experimental conditions as in current study. Effect of PPAR $\alpha$  ligands on undifferentiated (A), sodium butyrate-differentiated (B) HT-29 cells as well as in undifferentiated (C) and spontaneously differentiated (D) Caco2 cells. Relative cell proliferation measured by WST-1 assay. Results are shown as mean  $\pm$  SD ( $n = 9$ ). Relative expression of villin in comparison to control was measured by In-Cell ELISA. Results are shown as mean  $\pm$  SD ( $n = 6$ ). Red dotted line represents control cells: DMSO treated undifferentiated or differentiated cells (100%). Note the increase in villin expression in both used cell lines after PPAR $\alpha$  treatment in concentrations decreasing cell proliferation. Statistically significant results (one sample t-test) in comparison to control cells are marked by \*  $p \leq 0.05$ , \*\*  $p \leq 0.01$ , \*\*\*  $p \leq 0.001$ , \*\*\*\*  $p \leq 0.0001$ .