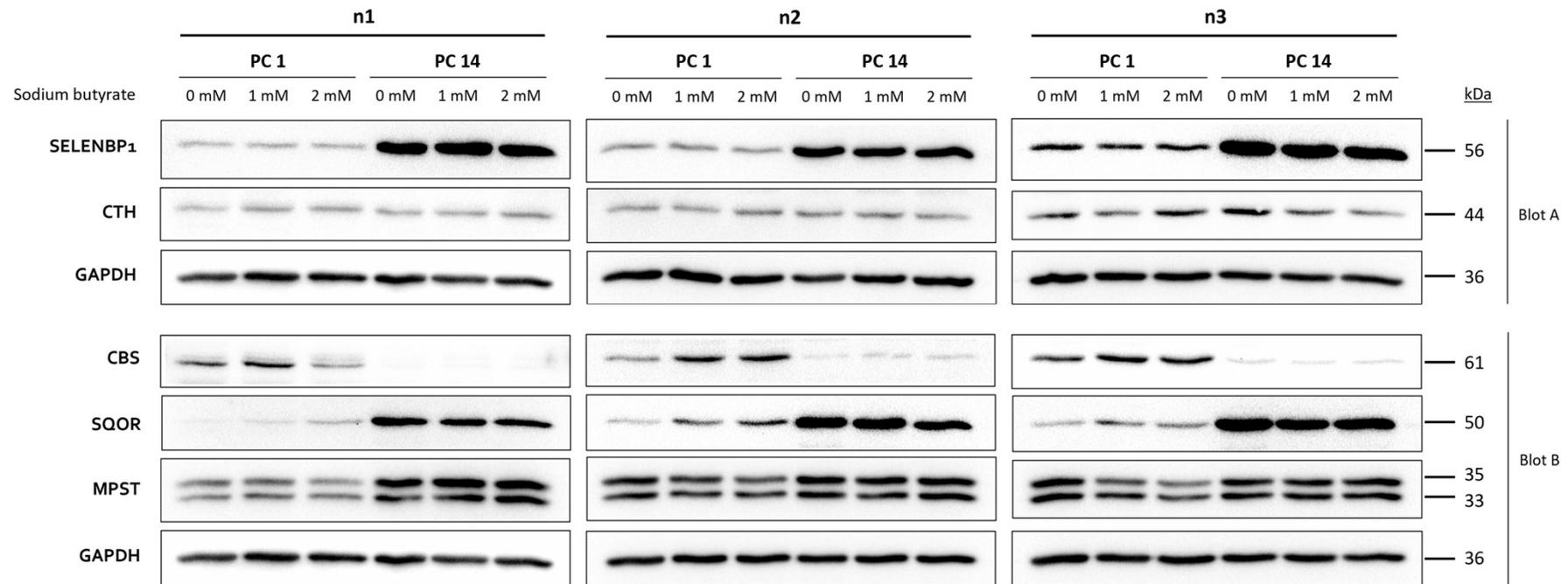
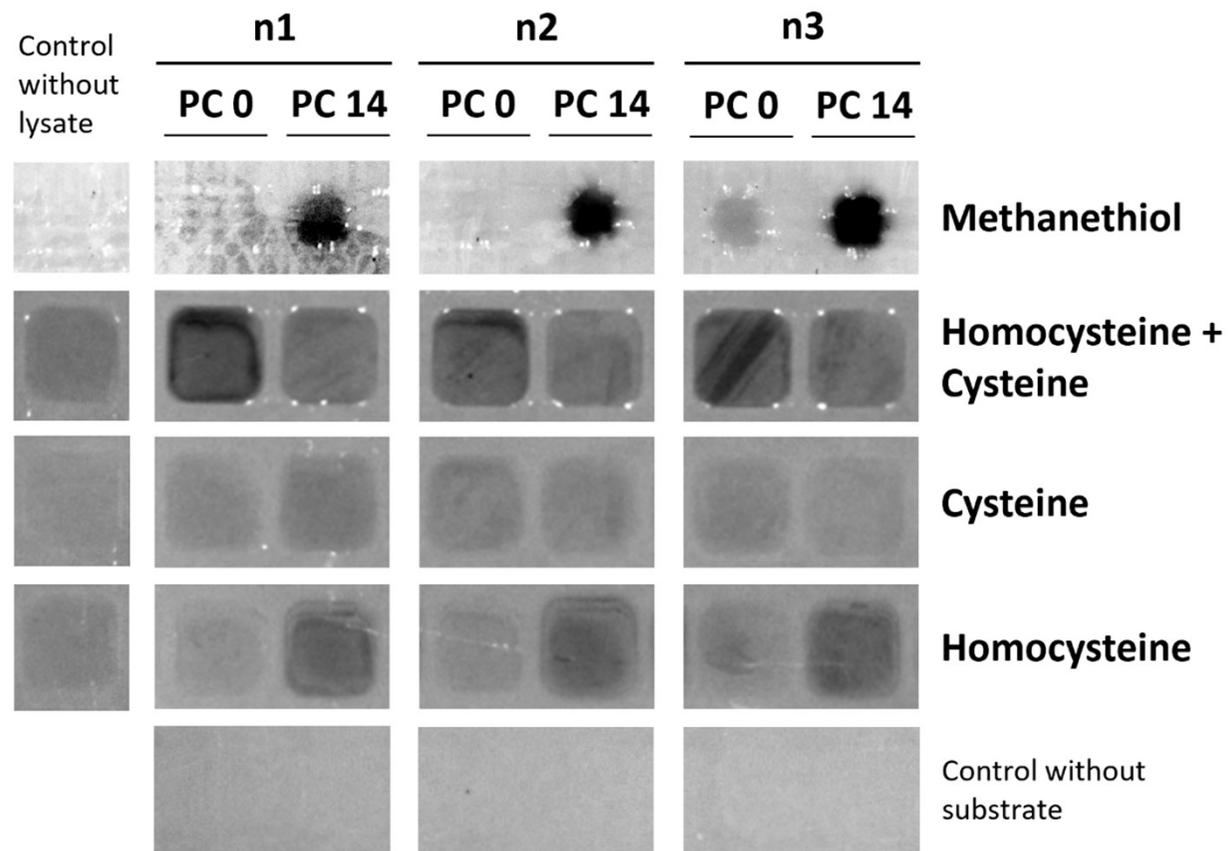


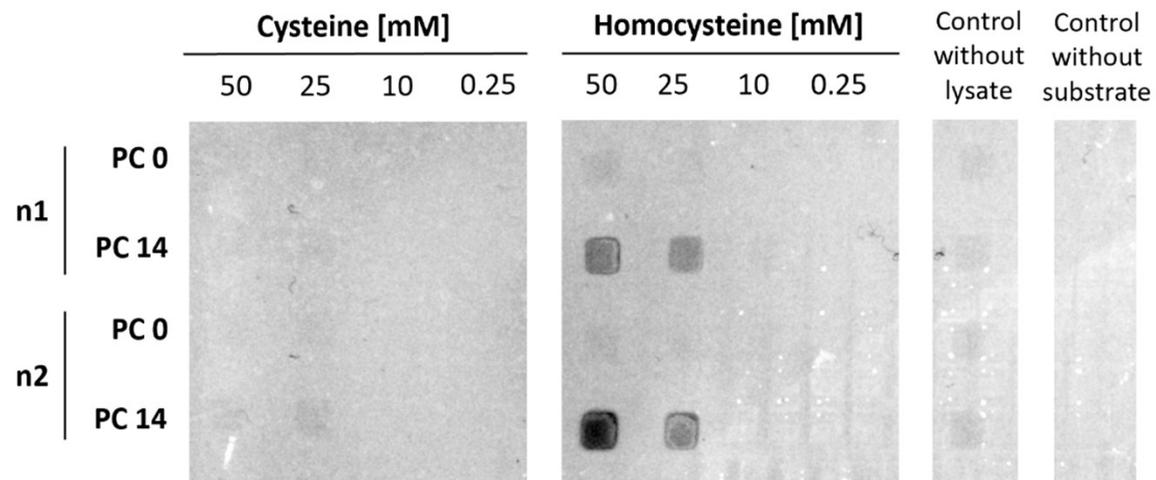
**Figure S1.** Relative mRNA levels of cysteine aminotransferase (CAT) during the spontaneous differentiation of Caco-2 cells.



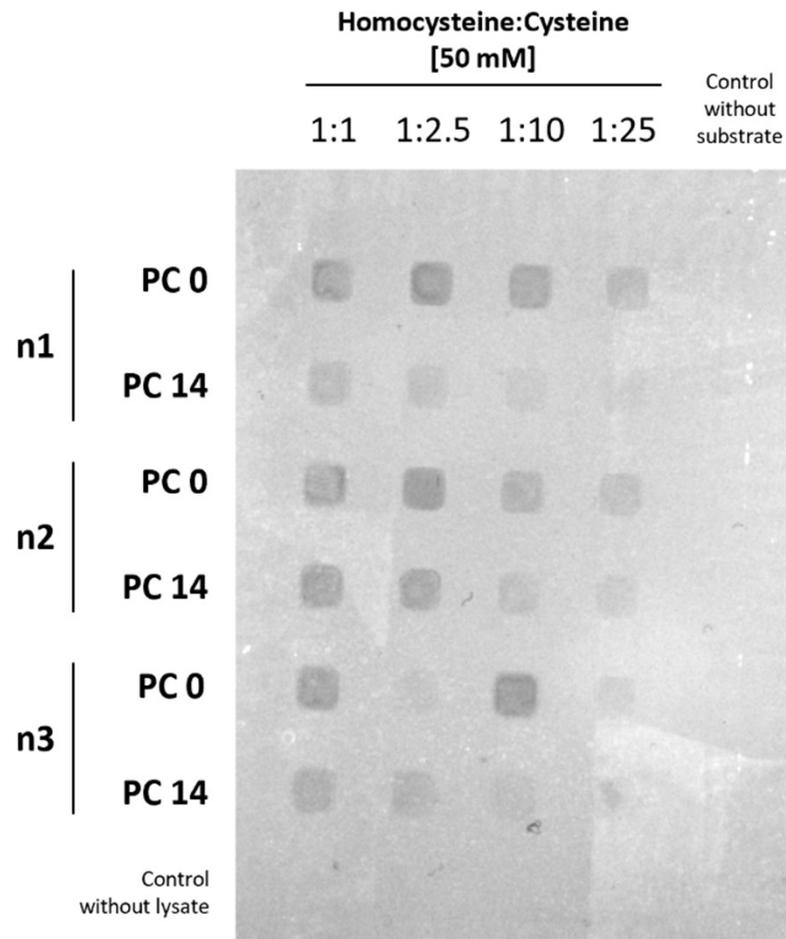
**Figure S2.** Changes in protein levels of H<sub>2</sub>S-modulating enzymes in Caco-2 cells induced by spontaneous differentiation as compared to butyrate treatment (*n* = 3 experiments).



**Figure S3.** Substrate-dependent H<sub>2</sub>S production in lysates from undifferentiated and terminally differentiated Caco-2 cells (*n* = 3 experiments).



**Figure S4.** H<sub>2</sub>S production in lysates from undifferentiated and terminally differentiated Caco-2 cells, trying different concentrations of cysteine and homocysteine.



**Figure S5.** H<sub>2</sub>S production in lysates from undifferentiated and terminally differentiated Caco-2 cells, trying different ratios of cysteine and homocysteine concentrations.