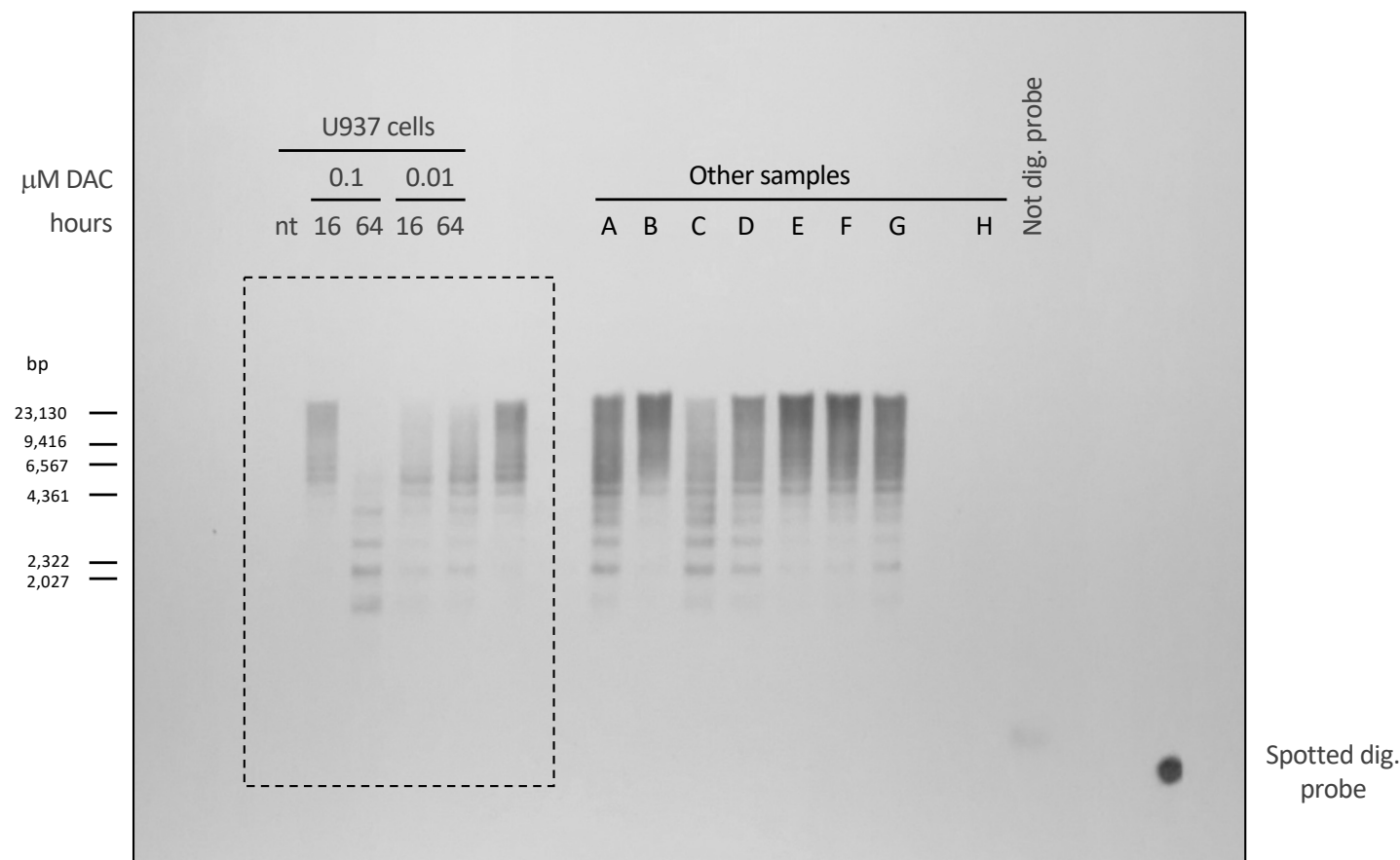


Additional Figure 5

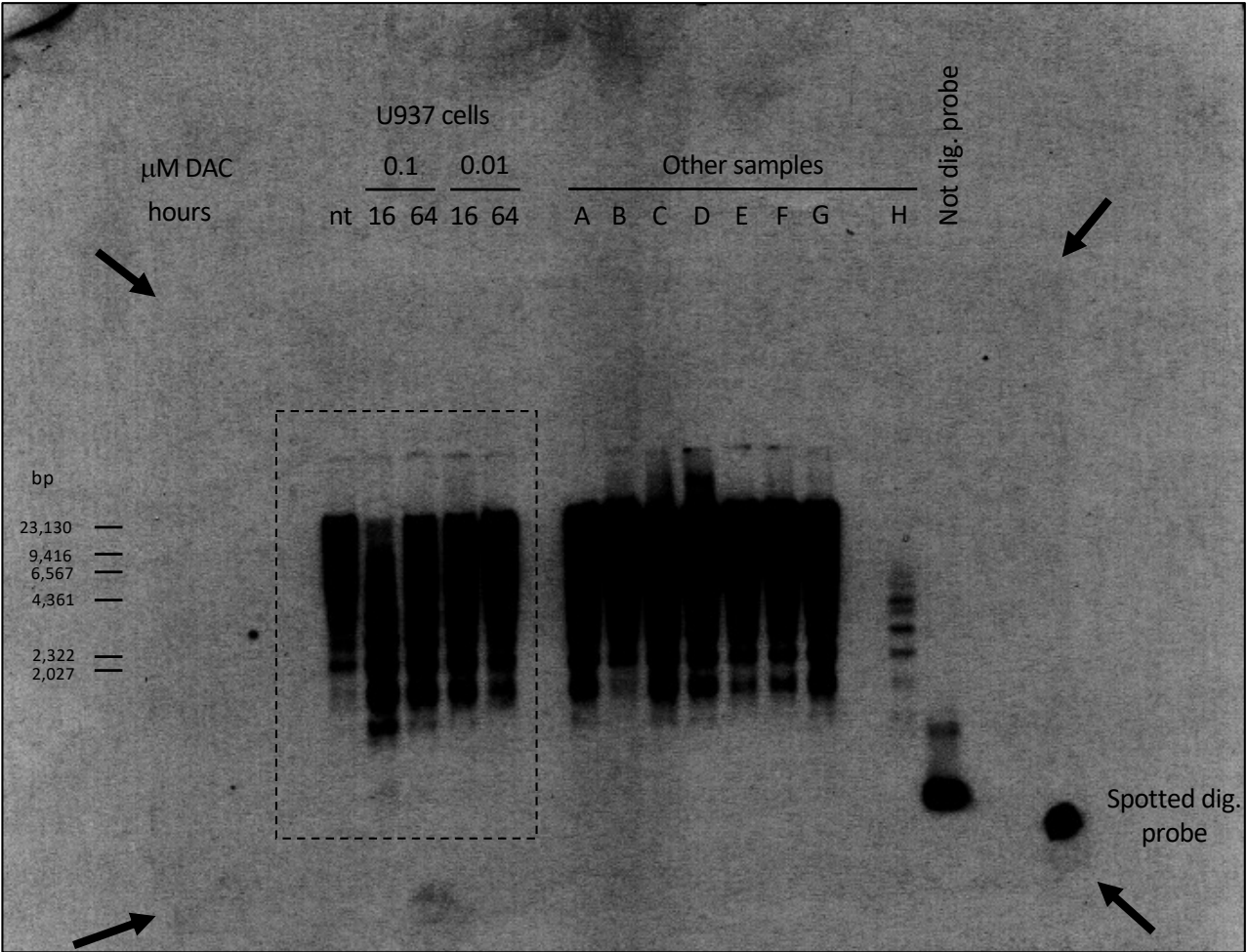
A



**Additional Figure 5. File format: PDF. Uncropped blots.** Uncropped blots used for Figure 2 and Additional Figure 1 (panel A) are shown at different exposure levels. (A,B) U937 cells were subjected to treatments with DAC at the reported concentrations and times or left untreated (NT). At the end of the treatments, genomic DNA was purified and digested via the Csp45I enzyme, separated via 1% agarose gel electrophoresis, blotted, and hybridized by a satellite 2 PCR probe (sat2-384U/781L). Other samples: samples from another project not related to the work presented in this manuscript. Not dig. probe: not-digoxigenated probe used as positive control of probe hybridization. Spotted dig. probe: digoxigenated probe spotted in the filter used as positive control of anti-digoxigenin antibody binding. Dotted line rectangles indicate the areas of the blot reported in the manuscript figures. Arrows in panel B indicate the corners of the membrane.

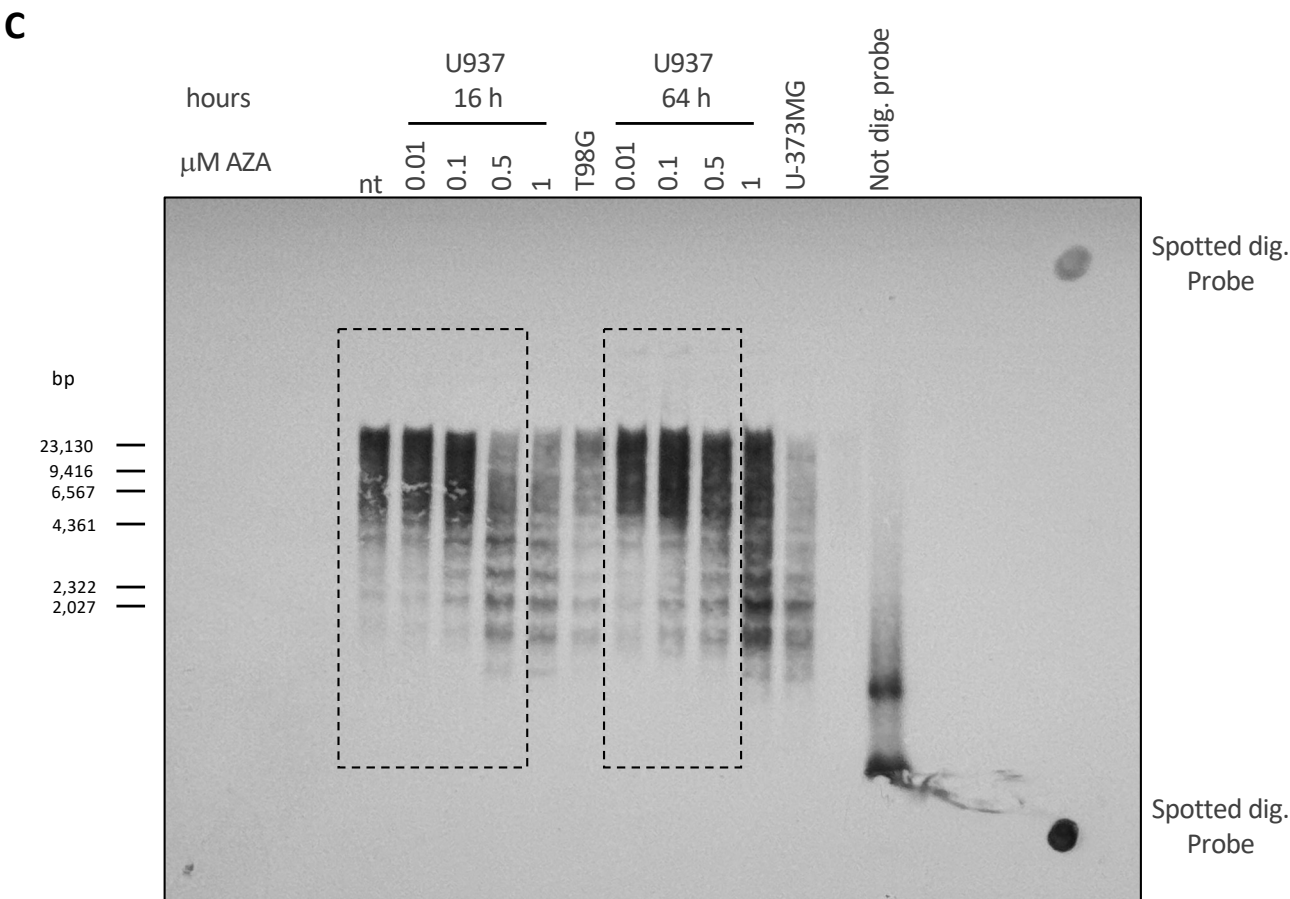
Additional Figure 5

B



**Additional Figure 5. File format: PDF. Uncropped blots.** Uncropped blots used for Figure 2 and Additional Figure 1 (panel A) are shown at different exposure levels. **(A,B)** U937 cells were subjected to treatments with DAC at the reported concentrations and times or left untreated (NT). At the end of the treatments, genomic DNA was purified and digested via the Csp45I enzyme, separated via 1% agarose gel electrophoresis, blotted, and hybridized by a satellite 2 PCR probe (sat2-384U/781L). Other samples: samples from another project not related to the work presented in this manuscript. Not dig. probe: not-digoxigenated probe used as positive control of probe hybridization. Spotted dig. probe: digoxigenated probe spotted in the filter used as positive control of anti-digoxigenin antibody binding. Dotted line rectangles indicate the areas of the blot reported in the manuscript figures. Arrows in panel B indicate the corners of the membrane.

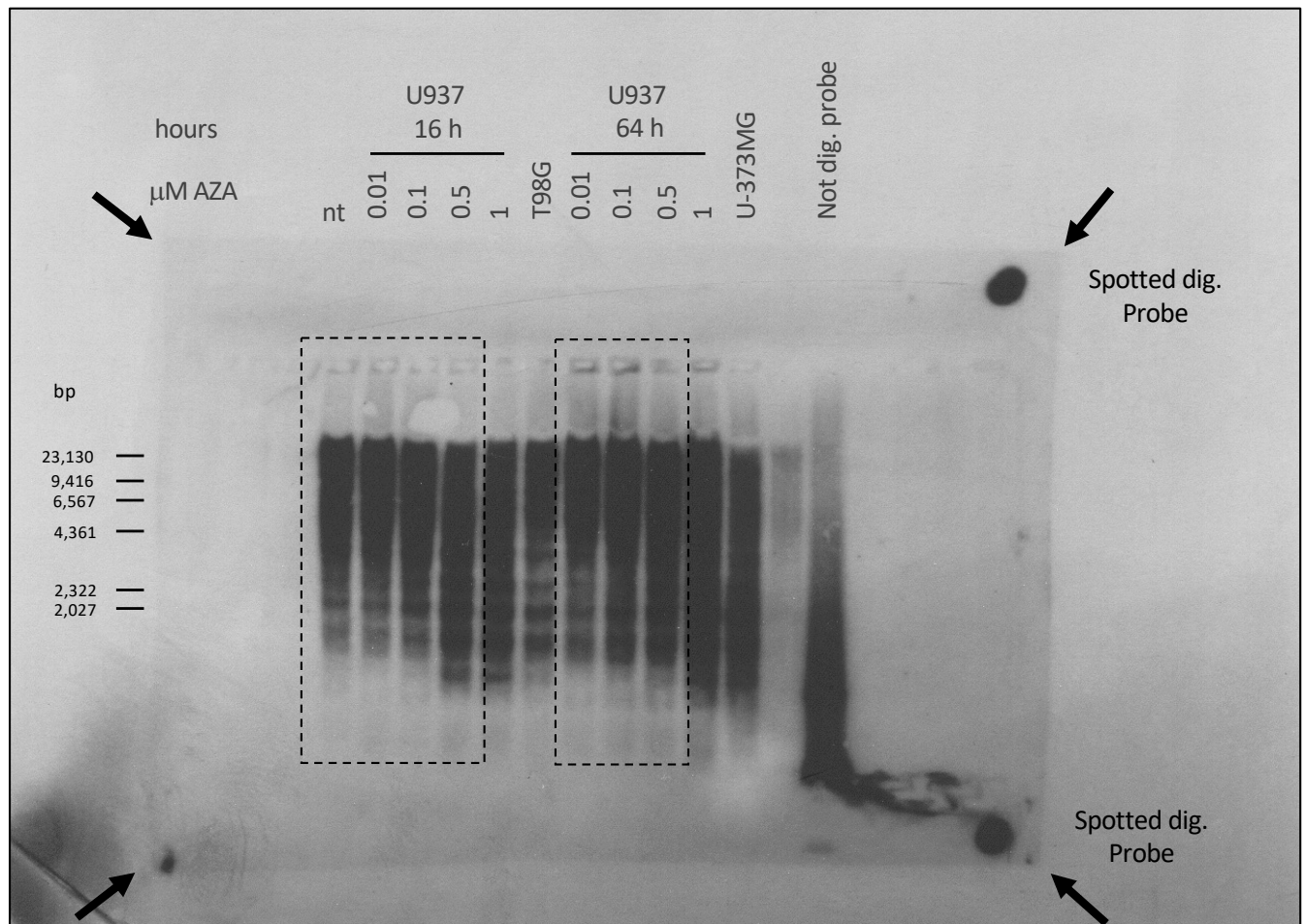
Additional Figure 5



**Additional Figure 5. File format: PDF. Uncropped blots.** Uncropped blots used for Figure 2 and Additional Figure 1 (panel A) are shown at different exposure levels. **(C,D)** U937 cells were subjected to treatments with AZA at the reported concentrations and times or left untreated (NT). At the end of the treatments, genomic DNA was purified and digested via the Csp45I enzyme, separated via 1% agarose gel electrophoresis, blotted, and hybridized by a satellite 2 PCR probe (sat2-384U/781L). Solid tumors-derived cell lines T98G and U-373MG were used as control of mild and heavy satellite 2 demethylation, respectively [20]. Samples treated with 1  $\mu$ M AZA were not considered in the study in consequence of the high level of cytotoxicity monitored at this condition of treatment. Not dig. probe: not-digoxigenated probe used as positive control of probe hybridization. Spotted dig. probe: digoxigenated probe spotted in the filter used as positive control of anti-digoxigenin antibody binding. Dotted line rectangles indicate the areas of the blot reported in the manuscript figures. Arrows in panel D indicate the corners of the membrane.

## Additional Figure 5

D



**Additional Figure 5. File format: PDF. Uncropped blots.** Uncropped blots used for Figure 2 and Additional Figure 1 (panel A) are shown at different exposure levels. **(C,D)** U937 cells were subjected to treatments with AZA at the reported concentrations and times or left untreated (NT). At the end of the treatments, genomic DNA was purified and digested via the Csp45I enzyme, separated via 1% agarose gel electrophoresis, blotted, and hybridized by a satellite 2 PCR probe (sat2-384U/781L). Solid tumors-derived cell lines T98G and U-373MG were used as control of mild and heavy satellite 2 demethylation, respectively [20]. Samples treated with 1 μM AZA were not considered in the study in consequence of the high level of cytotoxicity monitored at this condition of treatment. Not dig. probe: not-digoxigenated probe used as positive control of probe hybridization. Spotted dig. probe: digoxigenated probe spotted in the filter used as positive control of anti-digoxigenin antibody binding. Dotted line rectangles indicate the areas of the blot reported in the manuscript figures. Arrows in panel D indicate the corners of the membrane.