

Figure S2

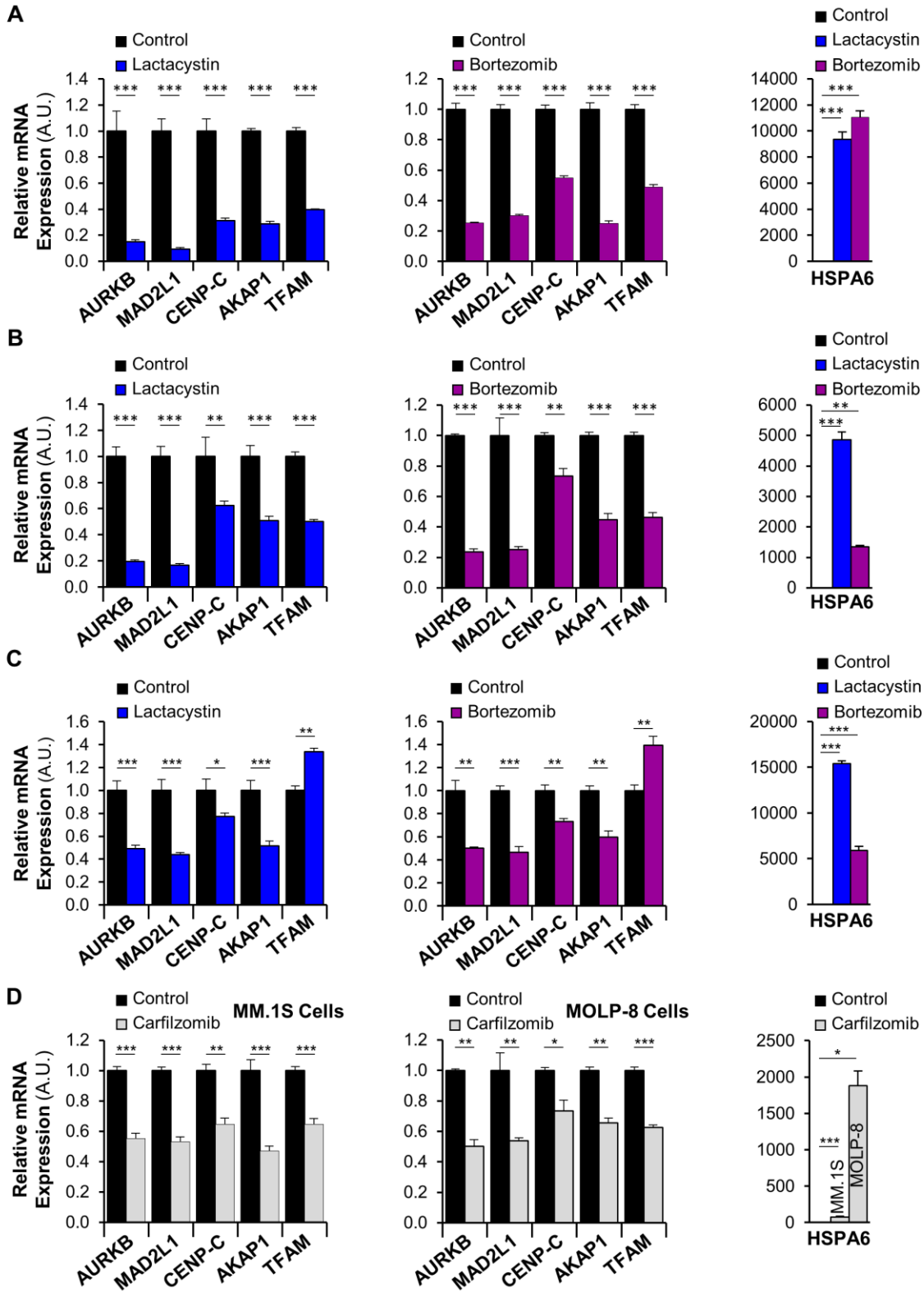


Figure S2. Proteasome inhibition down-regulates cell cycle and mitochondrial gene expression in three different MM cell lines.

RT-qPCR analysis of genes related to cell cycle, mitochondria and stress response after 6 h treatment of MM.1S cells (**A**), MOLP-8 cells (**B**), and U266.B1 cells (**C**) with 6 μ M lactacystin or 60 nM bortezomib. With the sole exception of TFAM, inhibition of the proteasome activity by either lactacystin or bortezomib consistently decreased the mRNA expression levels of the selected genes. *** $p < 0.001$, ** $p < 0.01$, and * $p < 0.05$ determined by unpaired Student's two-tailed t-test.

D, RT-qPCR analysis of genes related to cell cycle, mitochondria and stress response after 6 h treatment of MM.1S cells and MOLP-8 cells with 20 nM and 15 nM carfilzomib, respectively. *** $p < 0.001$, ** $p < 0.01$, and * $p < 0.05$ determined by unpaired Student's two-tailed t-test.