Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: CRISPR-Cas9 screen to identify chromatin regulators of melanoma resistance to MAPKi. [Tables contain genes targeted with 3-4 sgRNAs and sgRNA sequences, normalized read counts for each conditions and their averages, Log2FoldChanges with (-)Log10 p values, as well as top hits represented for each condition.]

File Name: Supplementary Data 2

Description: Transcriptional profiling of MAPKi treatments in BRAFV600E melanoma cells. [Tables contain RNA-seq data showing altered genes under various conditions to identify potential targets involved in MAPKi resistance in SIRT6 haploinsufficient and KO cells.]

File Name: Supplementary Data 3

Description: RPPA data of L-C-B (control), SIRT6.2-7 or SIRT6.1-1 cells in the presence or absence of MAPKi. [Table contains RPPA of differential proteins and post-translational modifications present in the indicated conditions.]

File Name: Supplementary Data 4

Description: SIRT6 regulatory network and chromatin accessibility data. [Tables with ChIPseq data to identify SIRT6 direct targets and its role in regulating the chromatin environment.]

File Name: Supplementary Data 5

Description: Patient characteristics and IHC scores. [Tables with patient clinical information and IHC scores for SIRT6 and IGFBP2.]

File Name: Supplementary Data 6

Description: Primers used for qRT-PCR in this study.