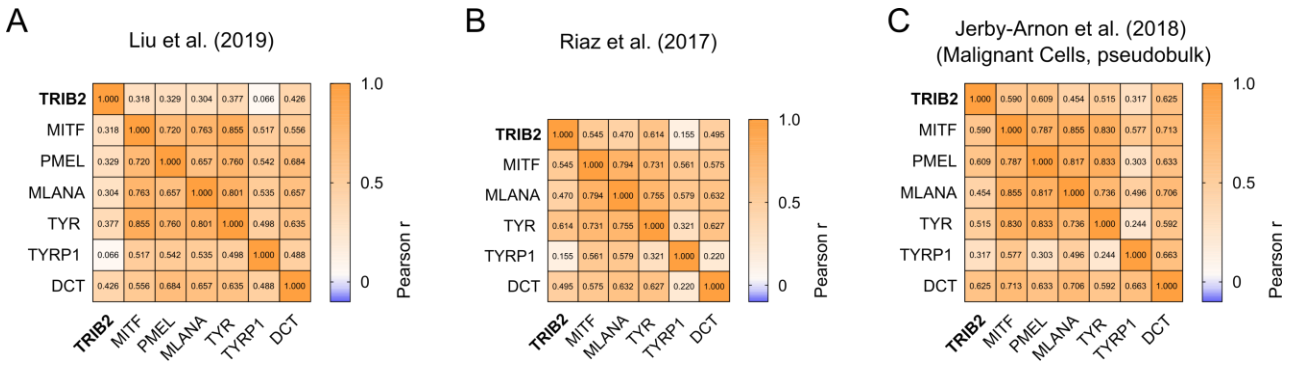
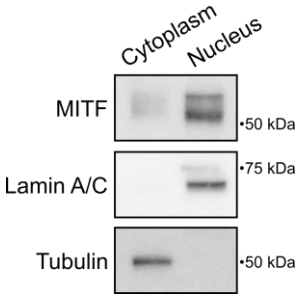
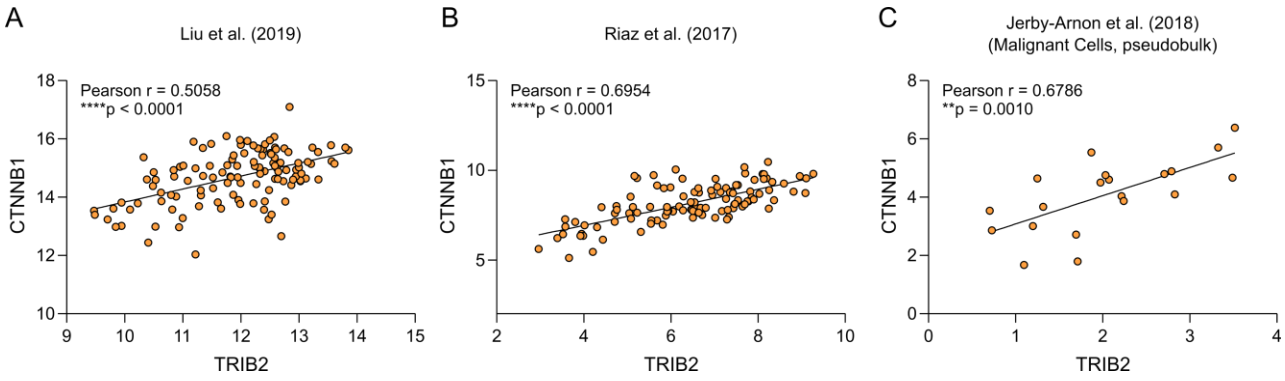


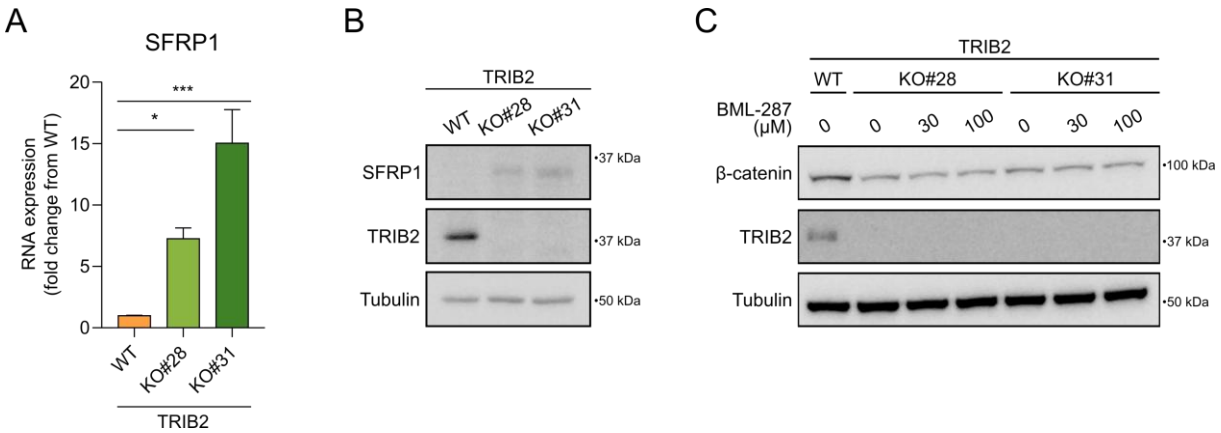
Supplementary Figure 1. TRIB2 expression positively correlates with MITF target genes related to melanogenesis and melanosome structure in several melanoma cohorts. *Correlation matrices (Pearson r) between TRIB2 and the MITF gene program in the melanoma immunotherapy cohorts of Liu et al. (2019)* ***(A)*** *and Riaz et al. (2017)* ***(B)****.* ***C*** *Correlation matrix (Pearson r) between TRIB2 and the MITF gene program in malignant cells from the single-cell RNA-seq dataset of Jerby-Arnon et al. (2018). Gene expression was averaged across malignant cells within each tumor (pseudobulk approach), and only tumors comprising at least 10 profiled malignant cells were included in the analysis.*



Supplementary Figure 2. MITF is mainly expressed in the nucleus of UACC-62 cells. *Representative WB showing MITF cellular location in UACC-62 cells after subcellular fractionation. Lamin A/C and tubulin were used as controls of nucleus and cytoplasm fraction, respectively.*



Supplementary Figure 3. TRIB2 expression positively correlates with CTNNB1 in several melanoma cohorts. *Dot plot graphs showing Pearson r correlations between TRIB2 and CTNNB1 in the melanoma immunotherapy cohorts of Liu et al. (2019)* ***(A)*** *and Riaz et al. (2017)* ***(B)****.* ***C*** *Dot plot graphs showing Pearson r correlations between TRIB2 and CTNNB1 in malignant cells from the single-cell RNA-seq dataset of Jerby-Arnon et al. (2018). Gene expression was averaged across malignant cells within each tumor (pseudobulk approach), and only tumors comprising at least 10 profiled malignant cells were included in the analysis.*



Supplementary Figure 4. TRIB2 knockout upregulates the WNT inhibitor, SFRP1. ***A*** *RT-qPCR analysis of SFRP1 mRNA expression in WT UACC-62 and TRIB2 KO clones KO#28 and KO#31, expressed as fold change relative to TRIB2 WT UACC-62 cells (n = 7).* ***B*** *Representative WB showing SFRP1 in TRIB2 WT, KO#28, and KO#31 UACC-62 cells after 4h of brefeldin A treatment. Tubulin was used as a loading control (n = 3).* ***C*** *Representative WB showing β-catenin protein levels after the incubation of TRIB2 KO#28, and KO#31 UACC-62 cells with SFRP1 inhibitor BML-287. Tubulin was used as a loading control.*