Figure S3

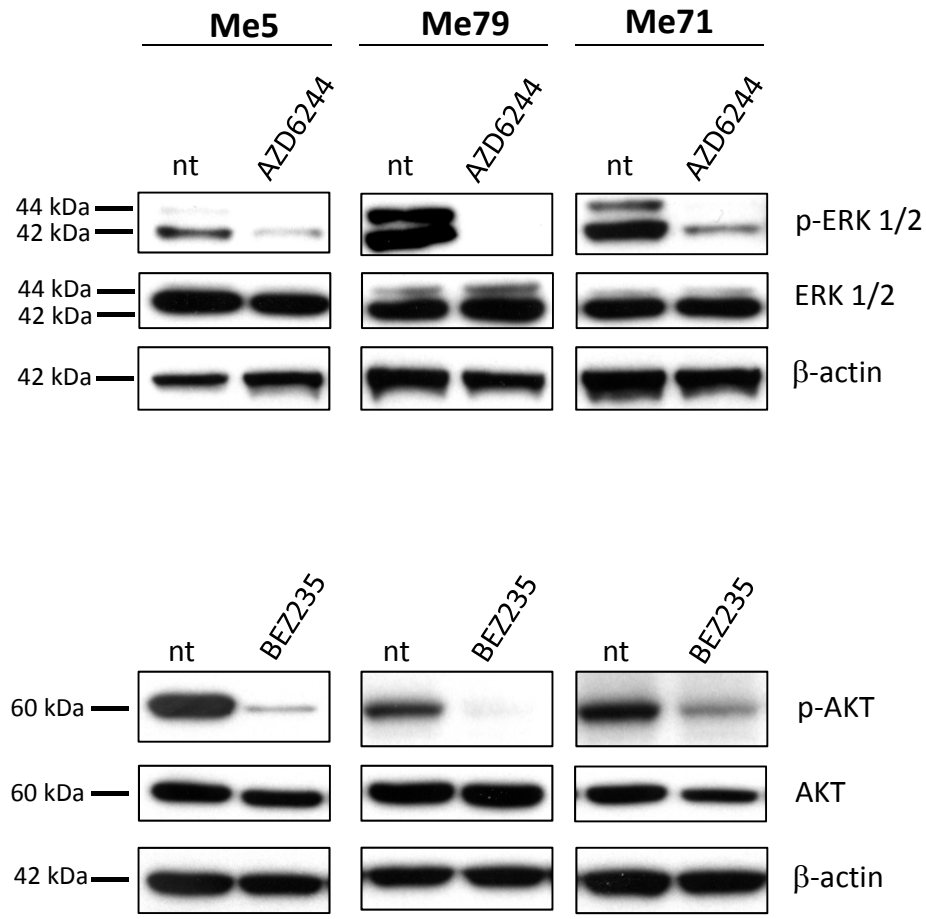

Figure S3. **Inhibition of ERK phosphorylation by AZD6244 and of AKT phosphorylation by BEZ235**. Melanoma cells from three different cell lines were cultured for 18 hr in the presence of AZD6244 (0.05 μM) or of BEZ235 (0.02 μM). Antibodies against p-ERK 1/2 and p-AKT (s473) as well as against total ERK1/2 and AKT were used.

Figure S4

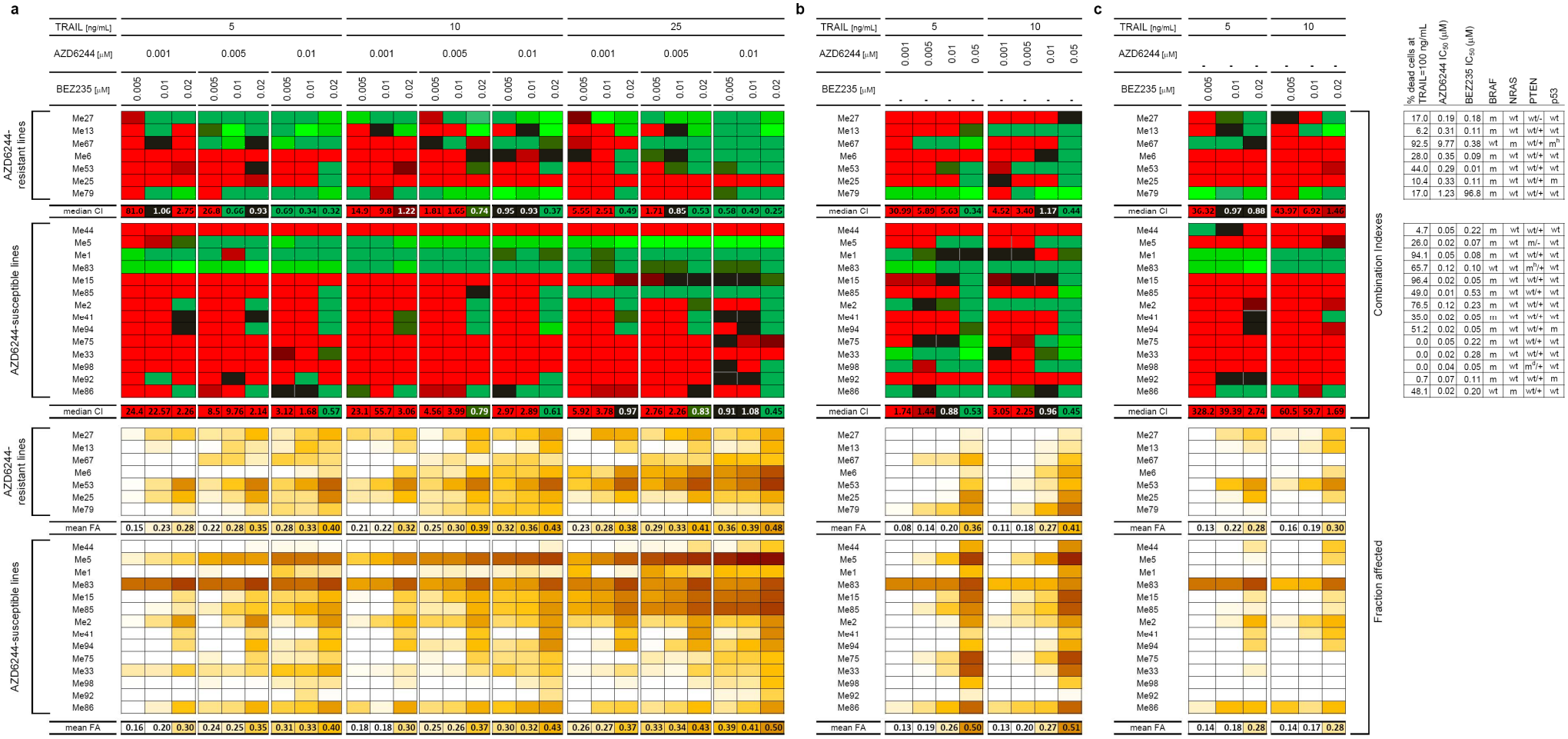

Figure S4. Drug interaction analysis by Chou and Talalay method in two groups of melanoma cell lines with different responsiveness to AZD6244 (resistant lines: IC_{50} ≥0.2 μM, n=7; susceptible lines: IC_{50} ≤0.2 μM, n=14) treated with the association of AZD6244, BEZ235 and TRAIL (**a**), or AZD6244 and TRAIL (**b**), or BEZ235 and TRAIL (**c**). Combination indexes (CI, upper panel), and fraction affected (FA, lower panel) by a color code as in Figure 2. Susceptibility to TRAIL, AZD6244 and BEZ235 and main molecular features of all cell lines summarized in the right hand side panel (m: mutant; wt: wild type; +, -: expression/lack of expression of PTEN by western blot). Numbers at the bottom of the upper and lower panels: median CI values and mean FA values, respectively, for each combination of drugs and TRAIL doses.