Supplementary Information

Adaptive and acquired resistance to EGFR inhibitors converge
on the MAPK pathway

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Supplementary Figure 1. A. Upper panel: Feedback activation of phospho-ERK in HCC827 cells; Middle panel: Cell viability assay of HCC827 cells treated with erlotinib (1 μM), trametinib (0.5 μM) or combination (Combo). *P<0.05, ANOVA followed by Tukey’s post-test; Bottom panel: HCC827 cells were treated for 10 days as indicated and the cells were stained with crystal violet. B. Upper panel: Feedback activation of phospho-ERK in HCC4006 cells; Middle panel: Cell viability assay of HCC4006 cells treated with erlotinib (1 μM), trametinib (0.5 μM) or combination (Combo). *P<0.05, ANOVA followed by Tukey’s post-test; Bottom panel: HCC4006 cells were treated for 10 days as indicated and the cells were stained with crystal violet.
Supplementary Figure 2. A. Cell viability of PC9 cells treated various concentrations of erlotinib (1 μM), crizotinib (0.5 μM) or AEW541 (0.5 μM). B. Effects of erlotinib and inhibitors of MET or IGF-1R on phosphorylation of AKT and ERK in ER1 cells.
Supplementary Figure 3. A. CRAF CRISPR-Cas9 knockout and crystal violet staining of ER1 cells. B. NRAS CRISPR-Cas9 knockout and crystal violet staining of ER3 cells.