

**Supplementary Figure S1.** Curve shift experiments of the combination of the MEK inhibitor AZD-6244 (green) and the PI3K inhibitor GDC-0941 (blue) in the BJ-5ta human foreskin fibroblast cell line, immortalized using hTERT. In this assay, AZD-6244 and GDC-0941 show synergy. Mixture ratios used were 1:1, red; 4:1, orange; 1:4, yellow. CI values and standard deviations (SD) are based on three mixtures (see Table S4 for individual values).

