



Supplementary Figure 2. Sensitivity to trametinib of a panel of 316 cancer cell lines. The cell lines are ranked along the x axis according to the IC50, which is shown on the Y axis in logarithmic scale. Whiskers represent the confidence interval. Green colour highlights cell lines with an IC50 within the screening concentration range, grey below the minimum screened concentration, red above the maximum screened concentration. The blue parenthesis highlights the IC50 range for the *BRAF/NRAS* wild type melanomas. Each cell line was treated with 9 different concentrations of trametinib (2 fold dilution each) for 3 days. Cell proliferation was measured by Syto60 and IC50 was estimated from the curve fitted data points according to the algorithm described in Garnett et al. Nature 2012. See also Table S2 for additional details on the cell lines.