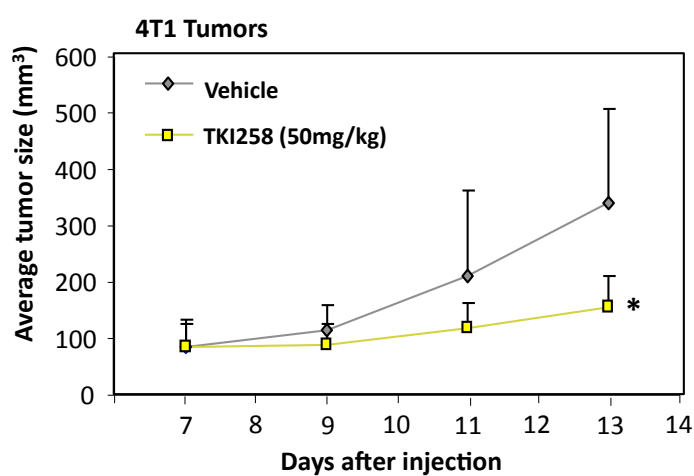
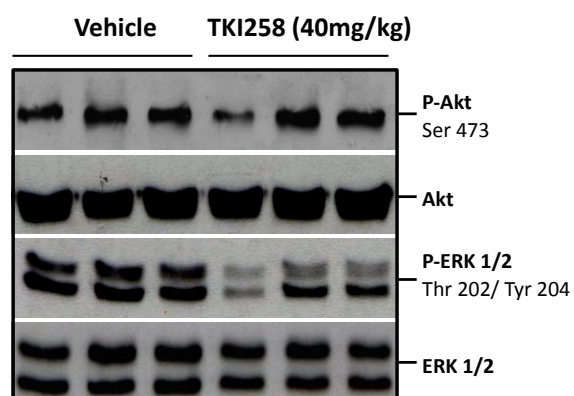


Figure S1



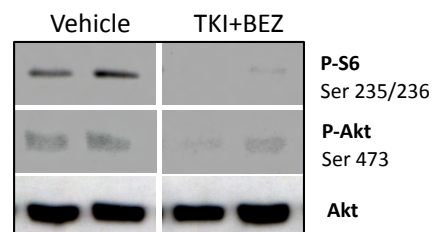
Additional file 1, Figure S1- Groups of 4T1 tumor-bearing mice (N=3) were treated for 7 days with vehicle or TKI258 (50 mg/kg) and tumor size was monitored. $P < 0.05$ (Mann-Whitney U test). The results are similar to what has been previously published [9].

Figure S2



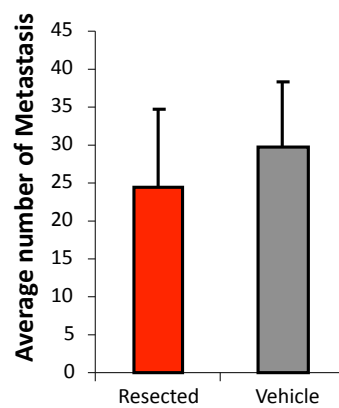
Additional file 1, Figure S2- 4T1 tumor bearing mice were treated with a single dose of TKI258 (40 mg/kg) or with the vehicle for 2 hours. Tumor lysates were prepared from 3 mice for each group and a western analysis for the indicated proteins and phospho-proteins (P) was performed.

Figure S3



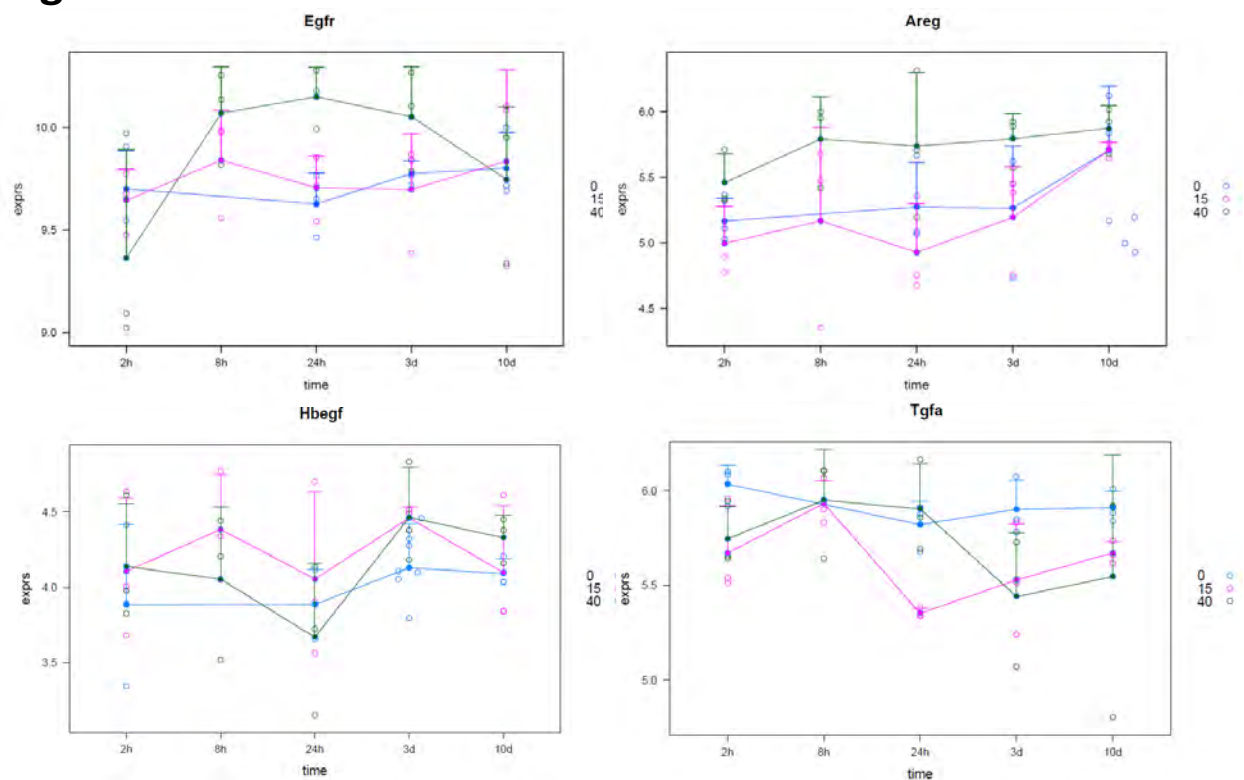
Additional file 1, Figure S3- 67NR tumor bearing mice were treated once with vehicle control or the combination of TKI258 (20 mg/kg), + NVP-BEZ235 (10 mg/kg) for 2 hours. Tumor lysates were prepared from 2 mice for each group and a western analysis for the indicated proteins and phospho-proteins (P) was performed.

Figure S4



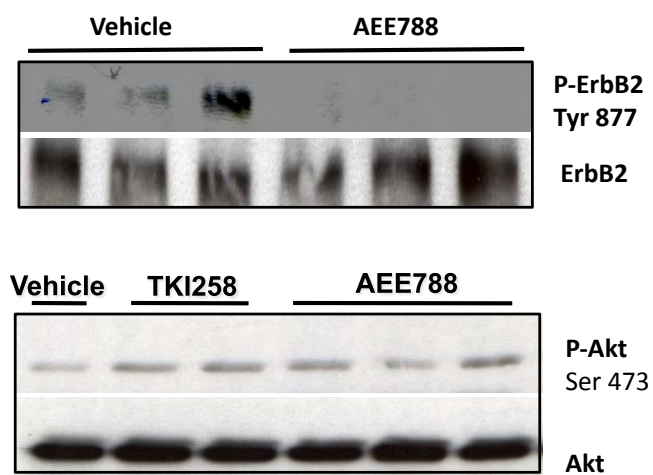
Additional file 1, Figure S4 –Seven days after injection of 4T1 cells into mammary fat pads of 10 Balb/c females, tumors from 5 mice were resected; the other 5 mice served as control. After 10 days all mice were killed, lungs were harvested and the metastatic foci number in the lung tissue was quantified.

Figure S5



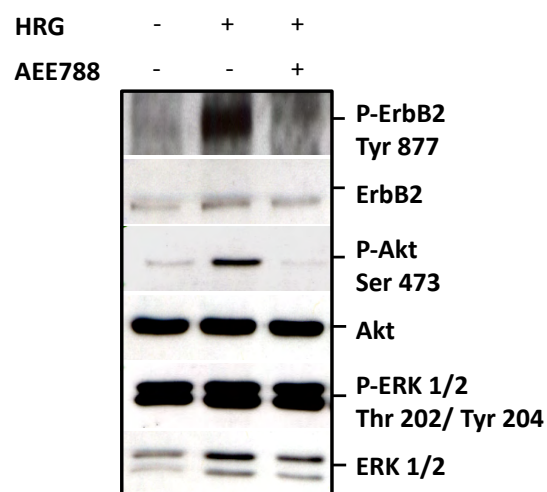
Additional file 1, Figure S5 – Transcriptome analysis on 4T1 tumor bearing mice treated for the indicated times with TKI258 at a low (15mg/kg) and high dose (40mg/kg). The Bioconductor limma package was used to identify differentially expressed genes and a two-step regression (Bioconductor maSigPro package) was applied to identify genes with temporal expression changes. DAVID Bioinformatics Resources 6.7 [16] was used for functional gene enrichment. R-script was used to generate the plots for EGFR and its ligands

Figure S6



Additional file 1, Figure S6- Groups of 4T1 tumor bearing mice were treated with AEE788 (50mg/kg), TKI258 (40mg/kg) or vehicle control and tumors were harvested 2 hrs later. A western analysis of the indicated proteins and phospho-proteins (P) was carried out.

Figure S7



Additional file 1, Figure S7- 67NR cell cultures were left untreated (-) or pretreated 1 hour with 1 μ M AEE788 (+), then treated or not with HRG (100 nM for 10 min). Lysates were prepared and analyzed by a western for in the indicated proteins and phospho-proteins (P).