Supplemental Figure Legends

**Supplemental Figure 1.** Activation of respective RTK signaling pathways by either FGF-3 or IGF-1 cannot restore MAPK signaling in lapatinib-treated GC cells as effectively as HGF.

**A**, Total IGF-1R, FGFR1 and FGFR2 RTK expressions in NCI-N87 and SNU-216 were analyzed by Western Blotting. Tubulin serves as loading control.

**B**, NCI-N87 and SNU-216 were treated with or without lapatinib and +/- FGF-3 or IGF-1 for 24 hours before determination of cell proliferation was performed using a BrdU assay. Columns, average of replicates of six; bars, SD; *, P<0.0001.

**C**, NCI-N87 & SNU-216 were treated with or without the inhibitors lapatinib (0.1uM for NCI-N87 and 1uM for SNU-216) for 12 hours. After 12 hours, cells were also treated with or without FGF-3/IGF-1 (50ng/ml for NCI-N87 and 25ng/ml for SNU-216) for 15 minutes before whole cell lysates were collected and analyzed by Western blotting.