



**S5 Fig.** Molecular characterization of EBC-CR3 derived from EBC-CR1. (A) DNA repair-related gene expression was downregulated in EBC-CR3 cells compared to EBC-CR1 cells. Gene expression results were analyzed by gene ontology. (B) Phosphorylation of AKT was decreased in EBC-CR3 despite the presence of afatinib and/or capmatinib. (C) The relative expression of *PIK3CA* in the cells lines was analyzed by 3' mRNA sequencing. *PIK3CA* was strongly expressed in EBC-CR3 cells.