

Figure S3

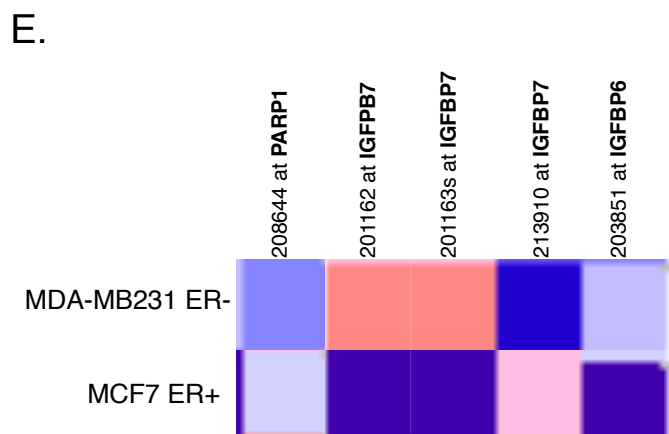
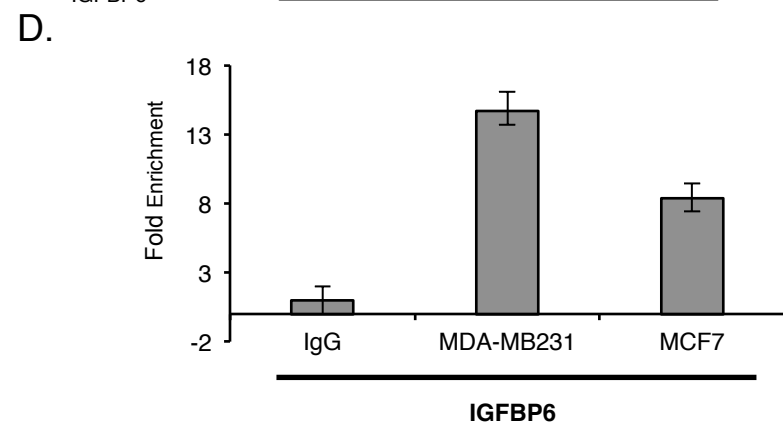
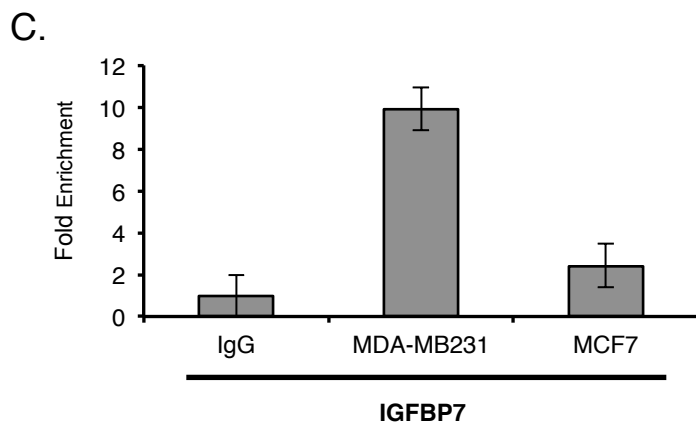
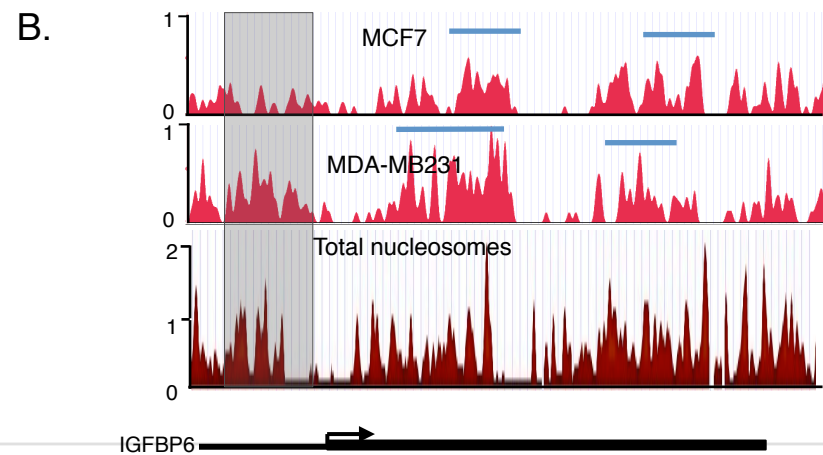
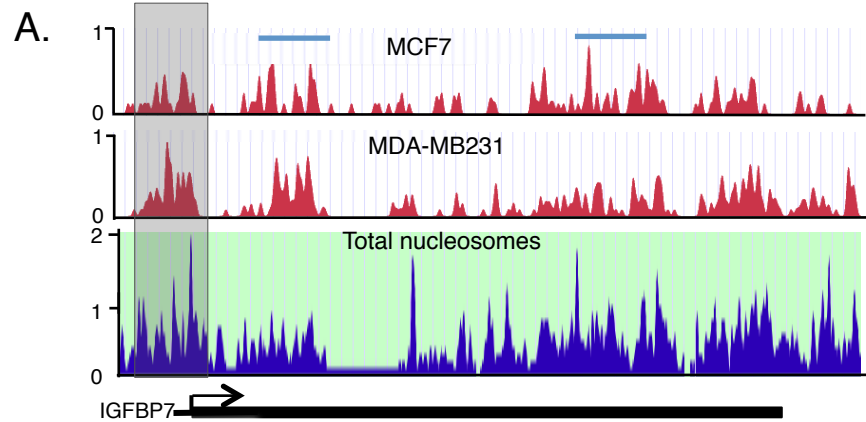


Figure S3: PARP1 binding at specific promoters correlate with active gene transcription. We created wiggle files from the PARP1 nuc-ChIP-seq signals and aligned them to the human genome using UCSC genome browser (hg19). PARP1 binding sites in A) MCF7 and MDA-MB231 in IGFBP7 and B) IGFBP6 promoters and gene bodies respectively (represented by lines). Measurement of PARP1 occupancy using quantitative real-time PCR at promoters of C) IGFBP7 and D) IGFBP6 respectively. E) Gene expression profile of IGFBP7 and IGFBP6 as shown in MCF7 and MDA-MB231 obtained from the GSEA (Broad Institute). * Blue bars indicate regions we called based on significance as PARP1-nucleosomes bound.