**SUPPLEMENTARY FIGURE LEGENDS**

**SUPPLEMENTARY FIGURE 1**

Effects of IGFIR knockdown in MDA-MB-231 cells on bone metastases.

(A) Establishment of MDA/shIGFIR (clones sh#133 and sh#301). IGFIR expression was confirmed by real-time RT-PCR. Expression levels of IGFIR/β-actin are shown as fold changes compared with the control (MDA/shNT).

(B) Bioluminescent analysis of tumor burden of MDA/shIGFIR in the hindlimbs. Representative images are shown on the left (n = 8 for shNT, n= 6 for sh#133, and n = 4 for sh#301).

(C) Histological analysis of bone metastases of MDA/shIGFIR in the hindlimbs. Representative histological view of bone metastases are shown on the left. (n = 8 for shNT, n= 6 for sh#133, and n = 4 for sh#301, H-E staining, T: tumor, BM: bone marrow, scale bar = 500 μm).

(B, C) * Significantly different from MDA/shNT (p < 0.05).