

Yoda1 Enhanced Low-Magnitude High-Frequency Vibration on Osteocytes in Regulation of MDA-MB-231 Breast Cancer Cell Migration

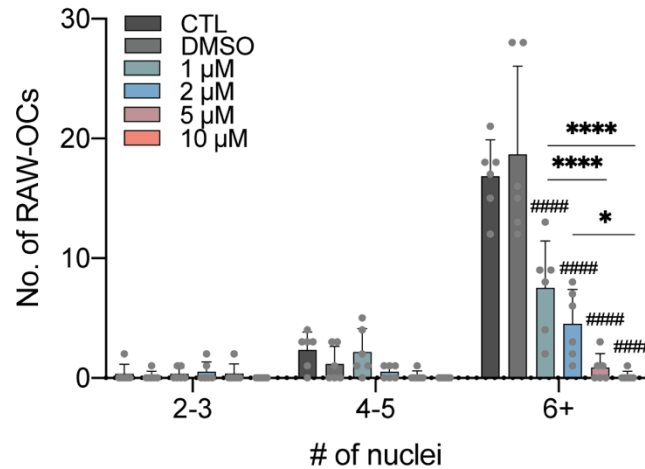


Figure S1. Number of TRAP-positive RAW-OCs with 2-3, 4-5, or more than 6 nuclei after 7-day incubation in medium (Control), DMSO, or dose-dependent Yoda1 supplemented with 20 ng/ml RANKL ($n = 6$). **** $P < 0.0001$, * $P < 0.05$; #### $P < 0.0001$ in comparison to DMSO control.

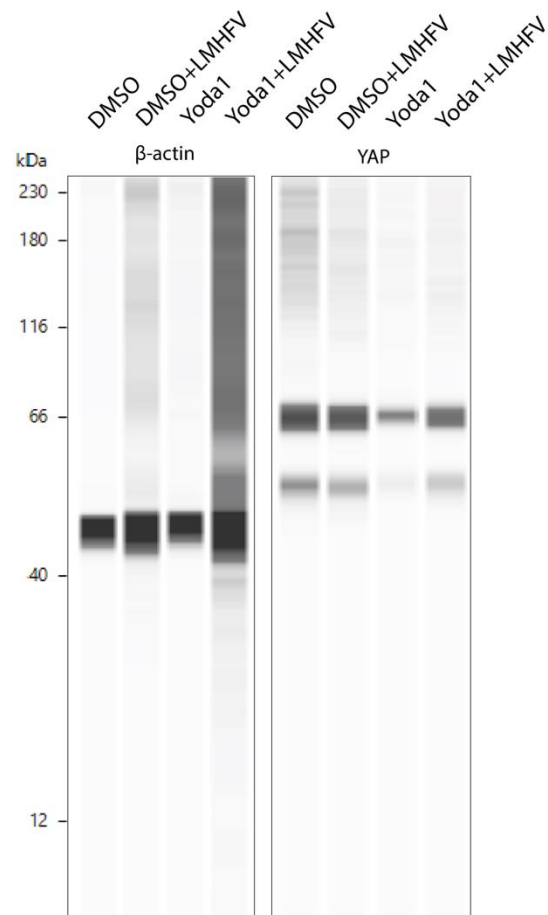


Figure S2. Immunoblotting showed that combined treatment decreases the expression of cytoplasmic YAP protein in MLO-Y4. The uncropped images include all bands and molecular weight markers for (A) YAP protein and (B) β-actin in Fig 4A .

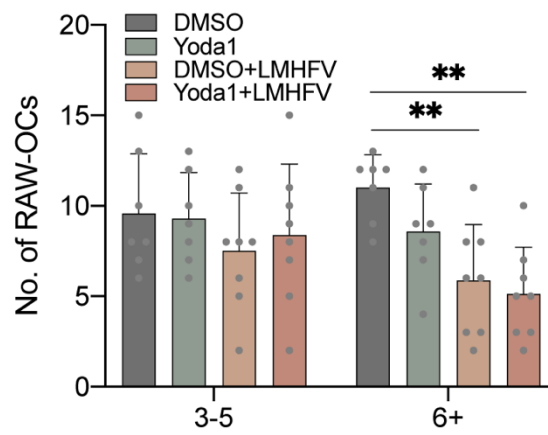


Figure S3. Number of TRAP-positive RAW-OCs with 3-5 and more than 6 nuclei after 5-day differentiation under 50% CM from MLO-Y4 stimulated with DMSO, monotreatments, or combined treatment and 50% growth medium supplemented with 20 ng/ml RANKL ($n=7-8$). *** $P<0.01$.

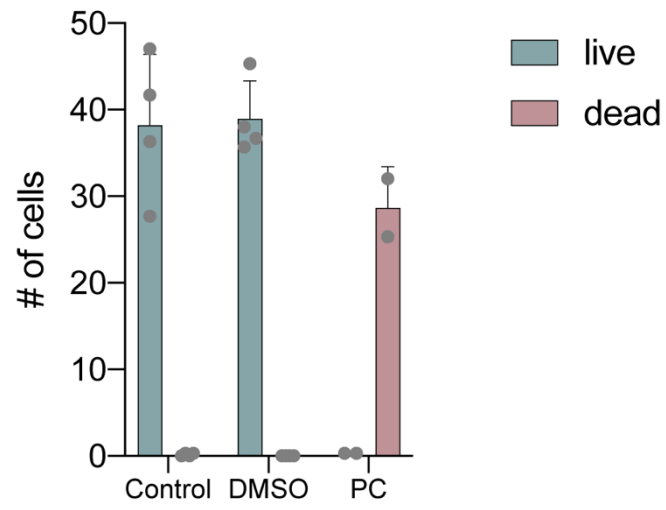


Figure S4. Live-dead measurements of MLO-Y4 under growth medium (control) or 0.1% (v/v) DMSO for 48 h (n=4). PC: Positive control.