

Supplemental Figure 10. IFN β , ISGs, and osteoclastogenesis. IFN β production is stimulated as a result of signaling through tumor necrosis factor receptors (TNFRs), of which RANK is an example. Interactions of RANK with RANK ligand (RANKL) activates pathways that promote production of IFN β and osteoclastogenesis. (A). IFN β promotes transcription of genes that inhibit osteoclastogenesis. (B). In absence of JAK1, type I IFNs cannot induce the canonical type I IFN pathway, which includes genes that inhibit osteoclastogenesis.