Supplemental Figure S12.
Supplemental Figure S12. p-Smad2/3 signaling is present in wild-type murine tissue and absent in murine tissue lacking both Smad2 and Smad3. Immunostaining wild-type mouse cartilage for p-Smad2/3 reveals widespread nuclear staining in tissue known to have significant TGF-β activity (positive control; upper panels; arrowheads mark representative cells) (3). Immunostaining K5CrePR.Smad2 fl/fl.Smad3-/- mouse tissue (absent Smad3 in all cells and Smad2 in dermal-lineage cells specifically) demonstrates absence of p-Smad2/3 signal (negative control; lower panels) compared to wild-type dermis (middle panels; arrowheads mark representative cells). (All bars: 50um.)