

SUPPLEMENTARY FIG. S4. SMAD3 shRNA with RUNX2 transduced scaffolds displayed slightly higher level of type X collagen compared to the NT counterparts. Immunohistochemistry staining of scaffold pairs cultured in 5 ng/mL TGF β 3. (A) NT and scrambled shRNA; (B) NT and SMAD3 shRNA; (C) NT and scrambled shRNA with RUNX2; (D) NT and SMAD3 shRNA with RUNX2. (E) Human osteochondral control. (F) Representative negative control without primary antibody. *Square brackets* indicate scaffold pairs cultured in the same well. Type X collagen was not observed in NT or virally transduced scaffolds. Scale bar = 100 µm.