Description of Additional Supplementary Files:

**Supplementary Data 1.** Differentially expressed genes in bovine superficial zone articular chondrocytes that had been infected with lentivirus programmed to express either a control shRNA or shCreb5 and cultured in presence of the EGFR ligand, TGFα. The base mean (in 4 biological repeats), log2 fold change in gene expression, p value, and adjusted p value are indicated.

**Supplementary Data 2.** Differentially expressed genes in bovine superficial zone articular chondrocytes that had been infected with lentivirus programmed to express either a control shRNA or shCreb5 and cultured in the presence of both TGFα and TGFβ2. The base mean (in 4 biological repeats), log2 fold change in gene expression, p value, and adjusted p value are indicated.