Additional file 8. OA vs NOF analysis of qPCR data for hip and knee cartilage combined. The qPCR data for hip and knee overall gene expression were combined and compared to gene expression levels in the NOF cohort for (A) COL12A1, (B) TMEM30A, (C) MYO6, (D) SENP6, (E) FILIP1 and (F) COX7A2. The expression of COL12A1 and COX7A2 were both significantly increased in OA hip and knee relative to NOF. The expression of SENP6 was significantly decreased in OA hip and knee relative to NOF. The horizontal lines represent the mean and the error bars represent the SEM. Statistical significance was assessed using the Mann–Whitney U test and is not corrected for multiple testing. * p < 0.05; ** p < 0.01.