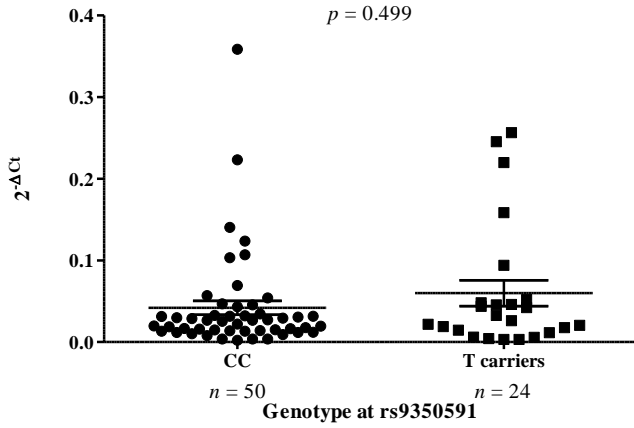
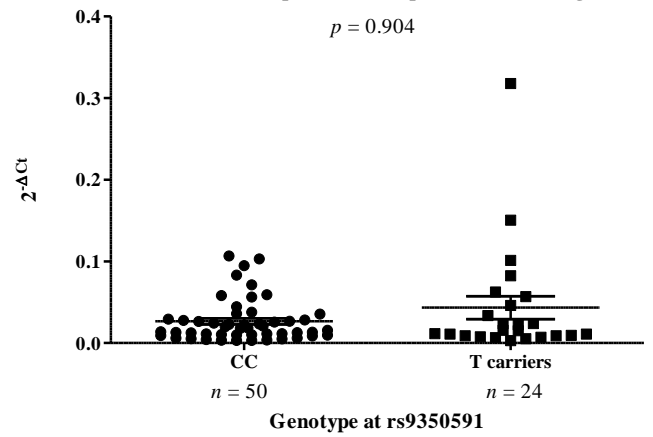
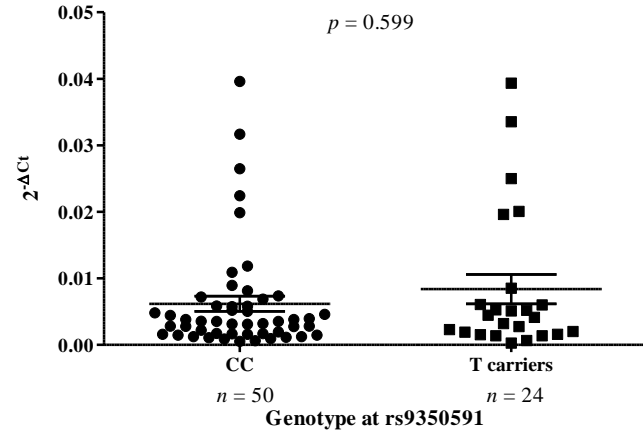
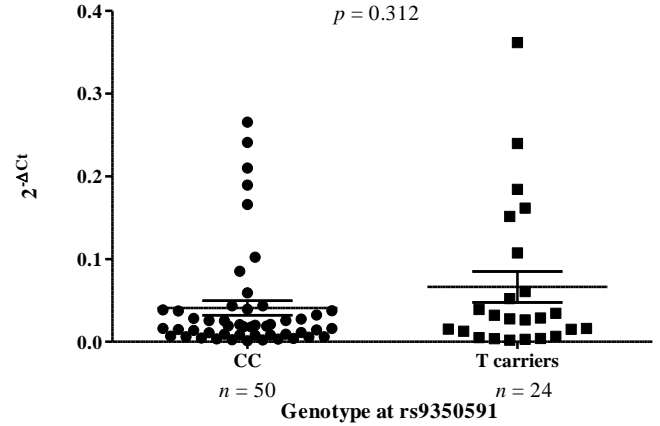
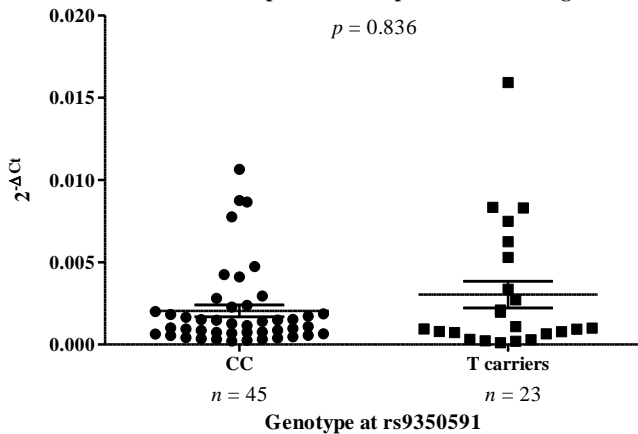
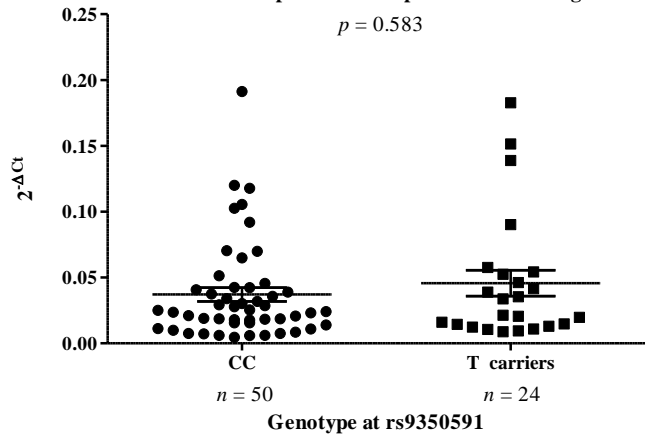


A*COL12A1* expression in hip and knee cartilage $p = 0.499$ **B***TMEM30A* expression in hip and knee cartilage $p = 0.904$ **C***MYO6* expression in hip and knee cartilage $p = 0.599$ **D***SENP6* expression in hip and knee cartilage $p = 0.312$ **E***FILIP1* expression in hip and knee cartilage $p = 0.836$ **F***COX7A2* expression in hip and knee cartilage $p = 0.583$ 

Additional file 9. Genotype analysis of qPCR data for hip and knee cartilage combined. The qPCR data for OA hip and OA knee overall gene expression were combined and stratified by rs9350591 genotype for (A) *COL12A1*, (B) *TMEM30A*, (C) *MYO6*, (D) *SENP6*, (E) *FILIP1* and (F) *COX7A2*. We observed no significant differences in gene expression relative to genotype at rs9350591. 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.