

Supplementary materials: High Levels of Circulating Type II Collagen Degradation Marker (CTx-II) are Associated with Specific *VDR* Polymorphisms in Patients with Adult Vertebral Osteochondrosis

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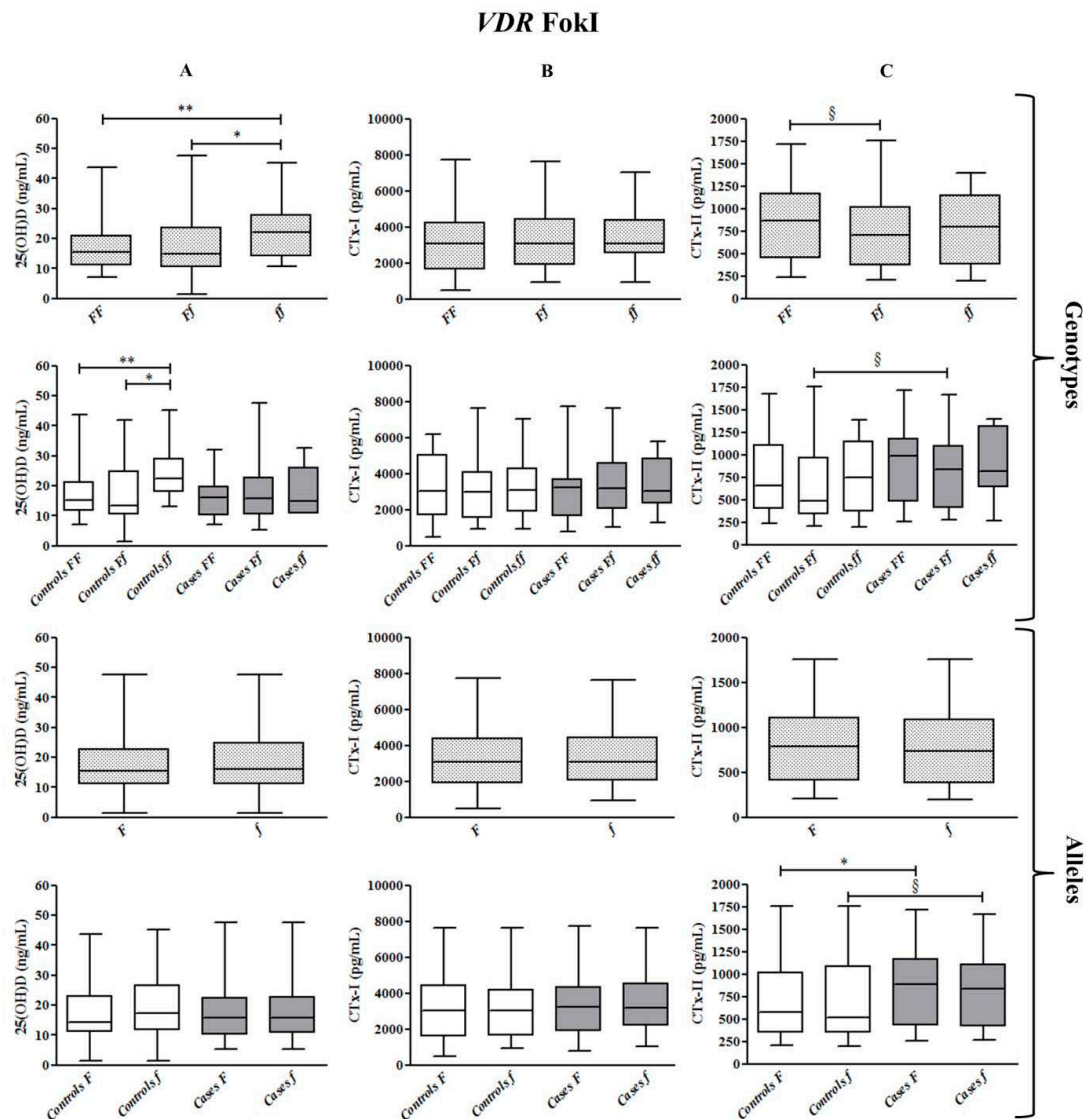


Figure S1. 25hydroxyvitamin D (25(OH)D) (A), cross-linked C-telopeptides of type I collagen (CTx-I) (B) and cross-linked C-telopeptides of type II collagen (CTx-II) (C) plasma concentrations in all subjects (light grey plots) and in all controls (white plots) and all cases (deep grey plots), distributed according to FokI *VDR* genotypes/alleles. The box and whisker plots show the median, 25th and 75th percentile (interquartile) (the box) and minimum and maximum value (the whiskers).

* $p < 0.05$. ** $p < 0.01$. § indicates a tendency.

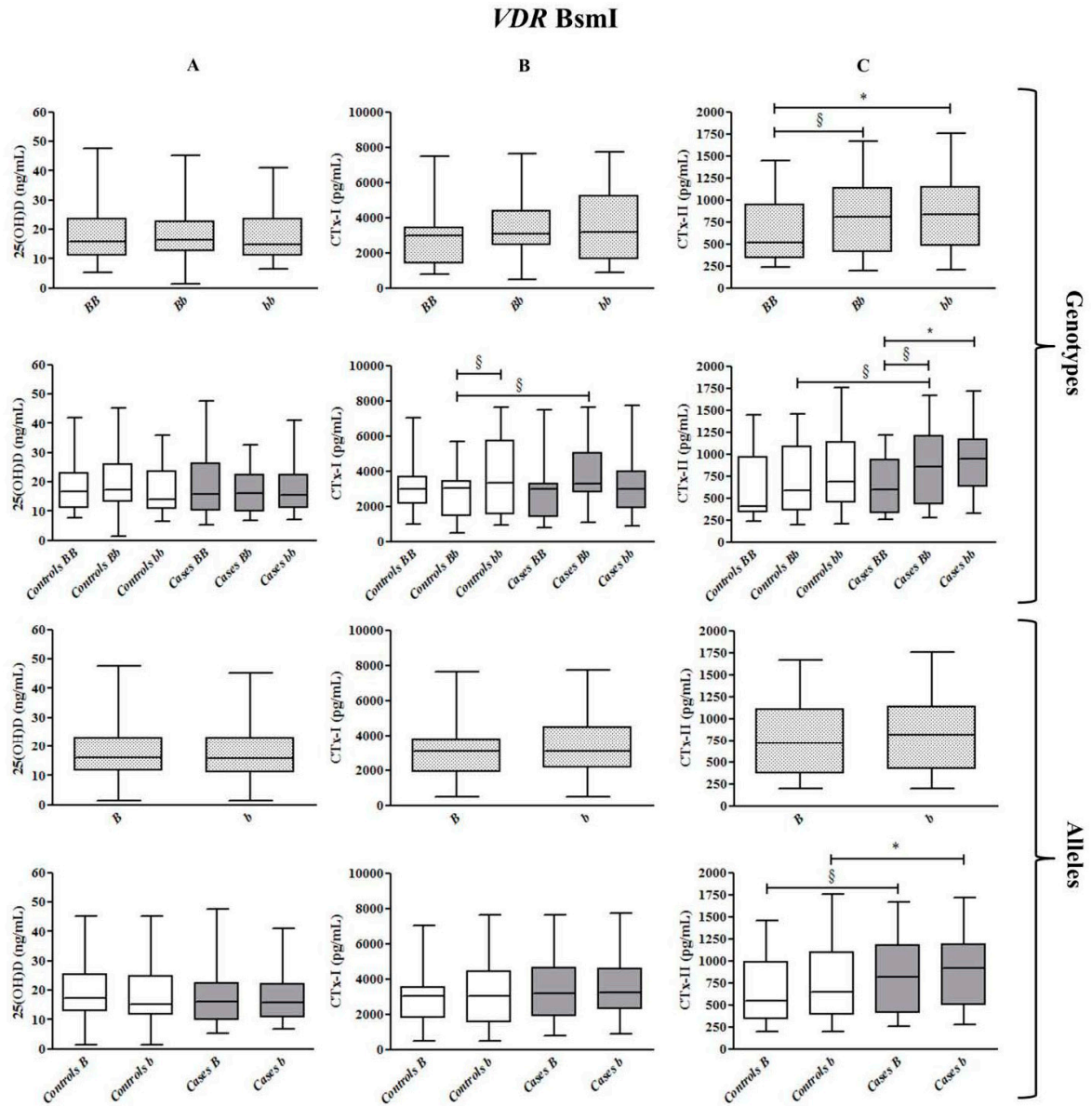


Figure S2. 25hydroxyvitamin D (25(OH)D) (A), cross-linked C-telopeptides of type I collagen (CTx-I) (B) and cross-linked C-telopeptides of type II collagen (CTx-II) (C) plasma concentrations in all subjects (light grey plots) and in all controls (white plots) and all cases (deep grey plots), distributed according to BsmI VDR genotypes/alleles. The box and whisker plots show the median, 25th and 75th percentile (interquartile) (the box) and minimum and maximum value (the whiskers).
 * $p < 0.05$. § indicates a tendency.

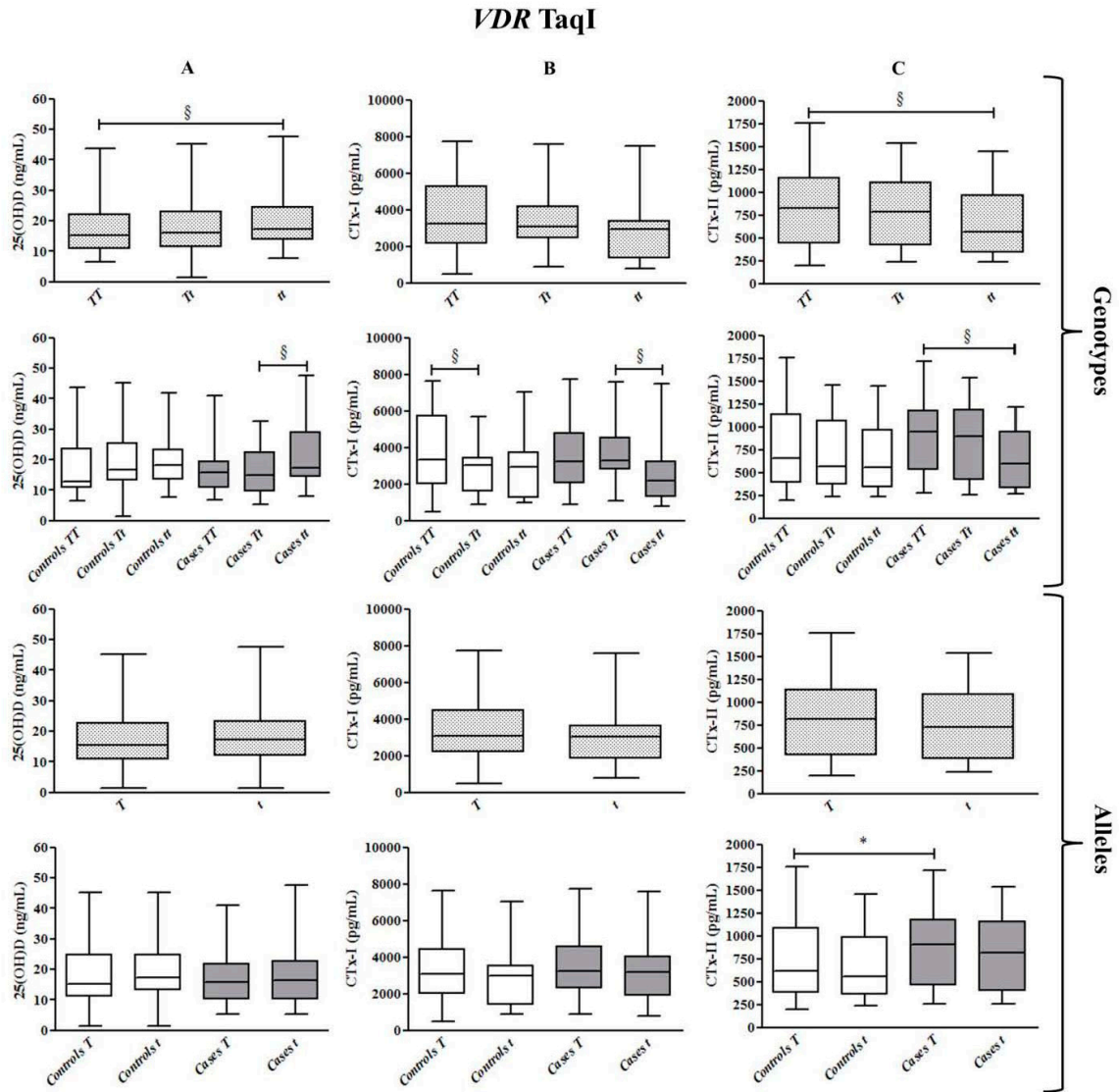


Figure S3. 25hydroxyvitamin D (25(OH)D) (A), cross-linked C-telopeptides of type I collagen (CTx-I) (B) and cross-linked C-telopeptides of type II collagen (CTx-II) (C) plasma concentrations in all subjects (light grey plots) and in all controls (white plots) and all cases (deep grey plots), distributed according to TaqI *VDR* genotypes/alleles. The box and whisker plots show the median, 25th and 75th percentile (interquartile) (the box) and minimum and maximum value (the whiskers).

* $p < 0.05$. § indicates a tendency.

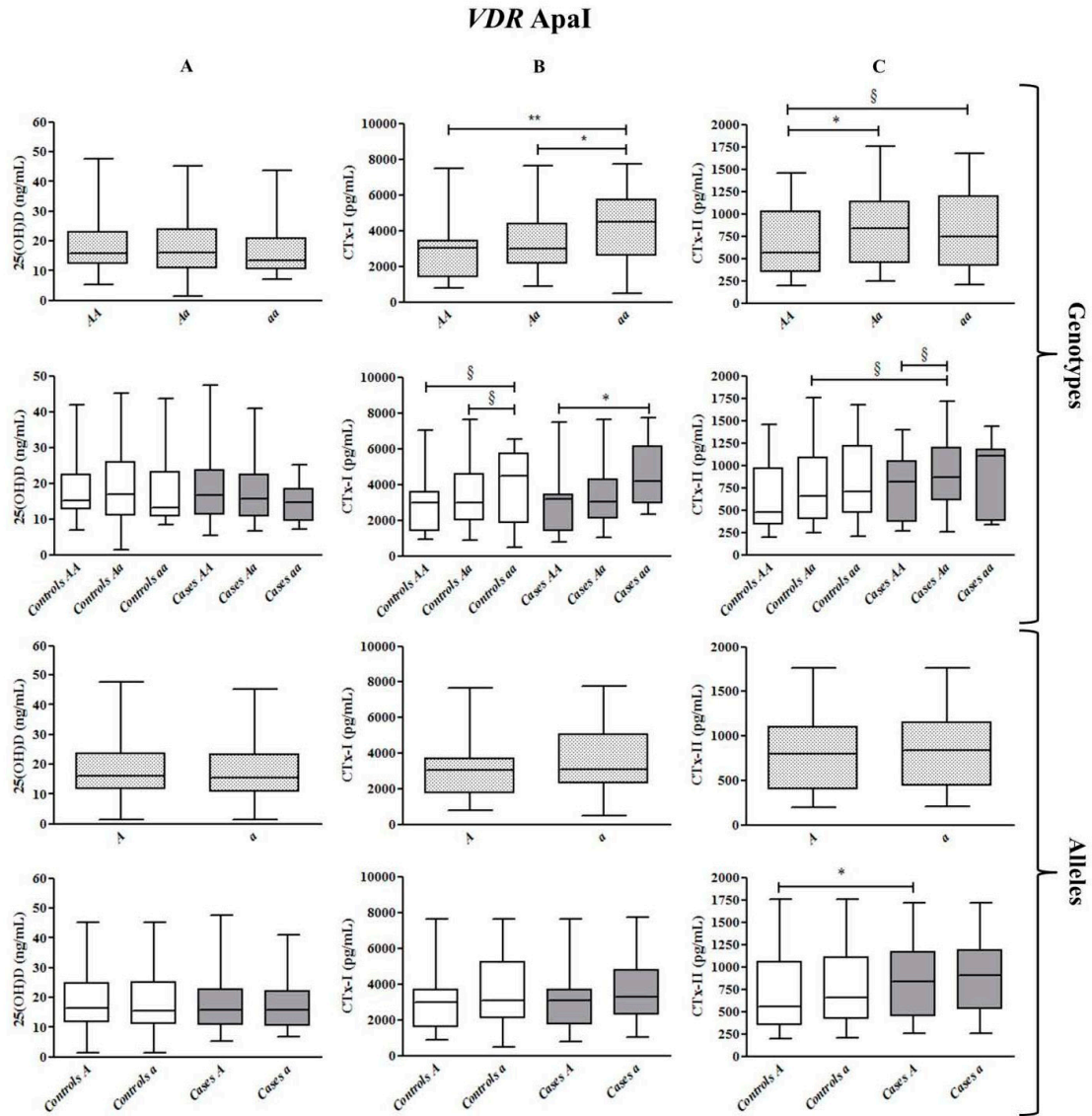


Figure S4. 25hydroxyvitamin D (25(OH)D) (A), cross-linked C-telopeptides of type I collagen (CTx-I) (B) and cross-linked C-telopeptides of type II collagen (CTx-II) (C) plasma concentrations in all subjects (light grey plots) and in all controls (white plots) and all cases (deep grey plots), distributed according to ApaI *VDR* genotypes/alleles. The box and whisker plots show the median, 25th and 75th percentile (interquartile) (the box) and minimum and maximum value (the whiskers). * $p < 0.05$. ** $p < 0.01$. § indicates a tendency.