Supplemental figure. Box-and-whiskers plot of U-OC in groups of pre- (white box) and postmenopausal women (hatched box) and postmenopausal women with hormone replacement therapy (HRT, gray box) measured with (A) U-MidOC, (B) U-LongOC and (C) U-TotalOC. All three U-OC assays were able to distinguish between postmenopausal women with and without hormone replacement therapy. Furthermore, U-OC measured with any of the three assays was increased in the postmenopausal group compared to the group of premenopausal women. However, the difference was statistically significant only for U-TotalOC. The horizontal lines represent the 10th, 25th, 50th, 75th and 90th percentiles, the p-values were calculated after logarithmic transformation with one-way ANOVA and Tukey’s post-hoc test was used in multiple comparisons. Premenopausal group consisted of 58 women (median age 41 years), postmenopausal group without HRT of 20 women (median age 54 years) and postmenopausal group on HRT of 13 women (median age 57.5 years). The study population has been described in detail previously (Matikainen T, Käkönen SM, Pettersson K, Karp M, Lövgren T, Väänänen HK, Hellman J. Demonstration of the predominant urine osteocalcin fragments detectable by two-site immunoassays. J Bone Miner Res 1999; 14:431-8).