

Supplementary Figures Legends

Figure S1. Serum expression level of GAS5 in OP patients with vertebral fractures (OP_VF) and femoral fractures (OP_FF). GAS5 expression level in the serum of 29 OP_VF was compared to 14 OP_FF and 28 controls (CTR). GAS5 expression level was normalized using GAPDH mRNA and relative expression values are expressed as $2^{-\Delta Ct}$. Individual data points represent the mean of duplicate assays for each sample. Statistical differences between groups were analysed using ANOVA with the Tukey's multiple comparison post-test analysis. *** represents a significant difference between OP_VF and CTR ($p < 0.001$) ## represents a significant difference between OP_VF and OP_FF ($p < 0.01$).

Figure S2. Correlation analysis of GAS5 expression level and PTH concentration in OP patients serum. Level of GAS5 expression was positively associated with PTH concentration (pg/ml). Spearman's correlation analysis was performed. Spearman $r = 0.2930$; 95% confidence interval = 0.007441 to 0.5344. * $P < 0.05$.

Figure S3. Correlation analysis of PTH and 25-(OH)-VitD concentrations in OP patients serum. Level of PTH (pg/ml) was negatively associated with PTH (pg/ml) concentration. Spearman's correlation analysis was performed. Spearman $r = -0.3842$; 95% confidence interval = -0.6040 to -0.1102. ** $P < 0.01$.

Supplementary Figures

Figure S1

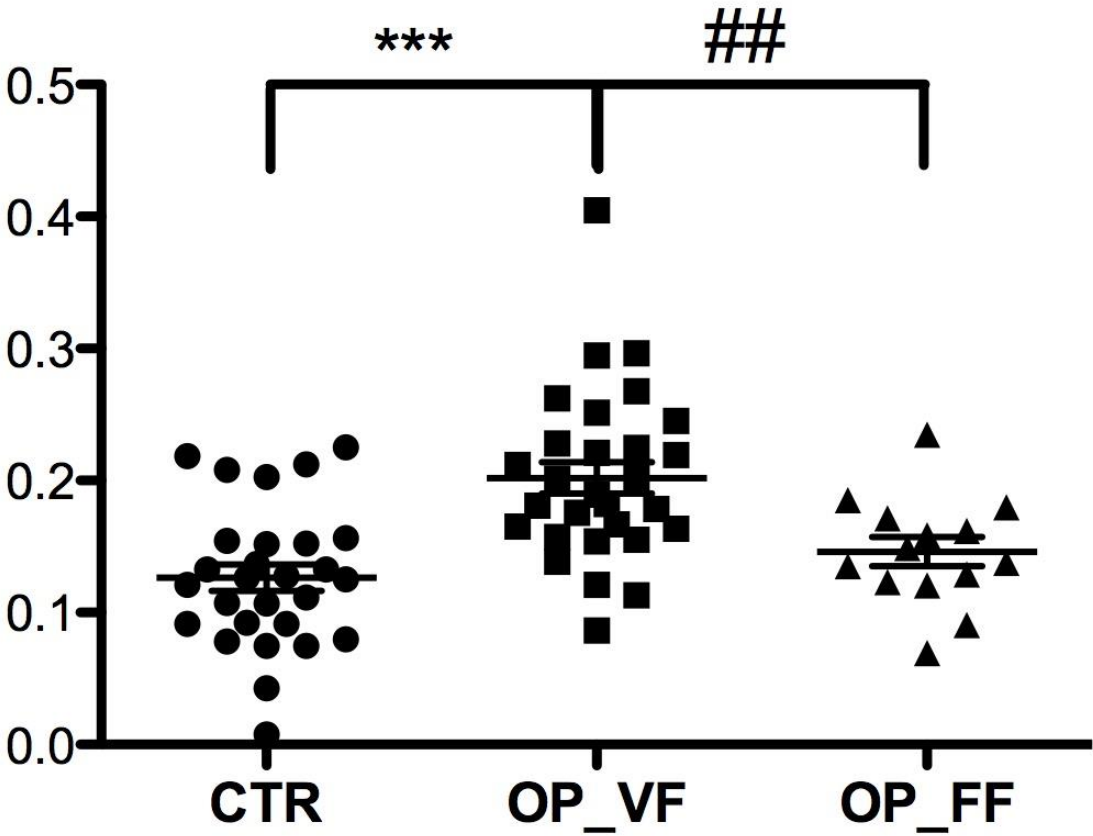


Figure S2

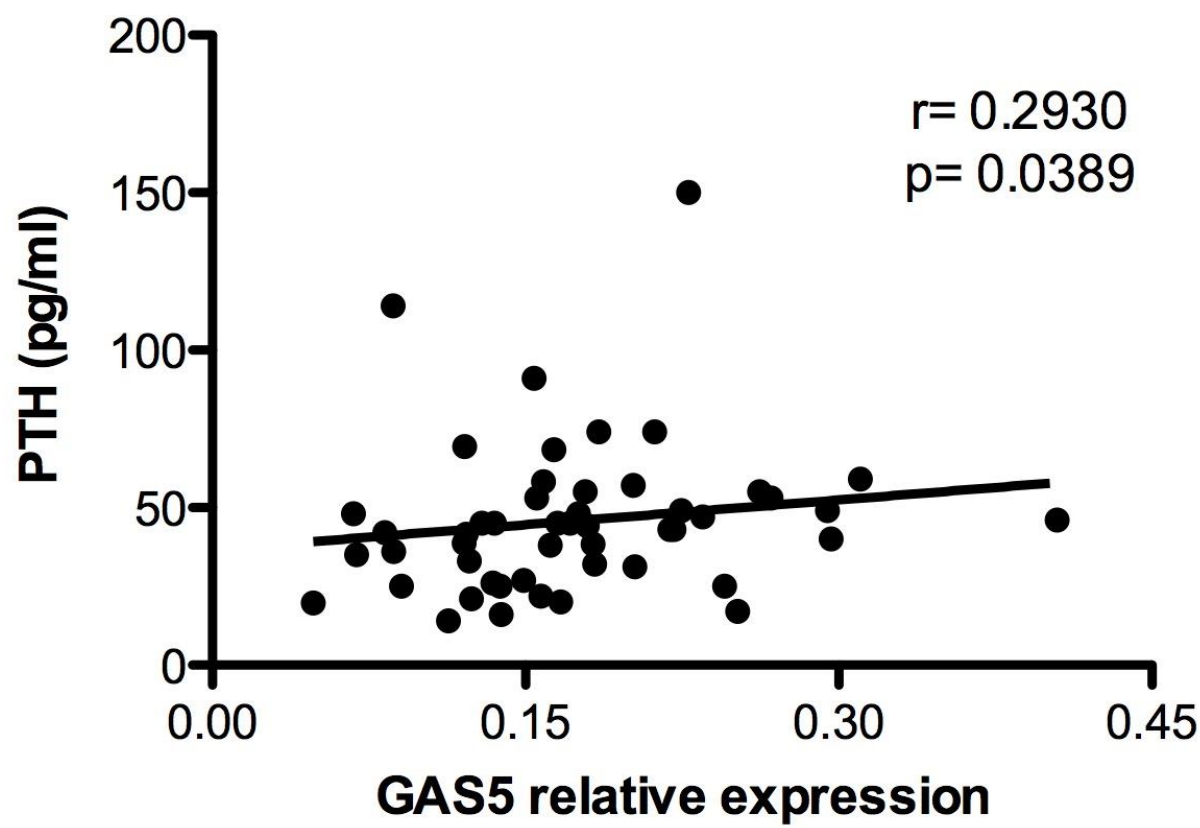


Figure S3

