Supplement 2

P1NP and CTX were tested in baseline plasma for one subject due to insufficient baseline serum. To estimate the correlation between measurements of P1NP and CTX in serum and plasma we used paired, de-identified samples from the Partners HealthCare Biobank.1 Samples collected in 2011 from five women aged 30-60 years old were selected as representative of the study population. Serum and plasma measurements were extremely highly correlated (P1NP: Pearson correlation coefficient 0.99, p <0.01; CTX: Pearson correlation coefficient 0.99, p <0.01).