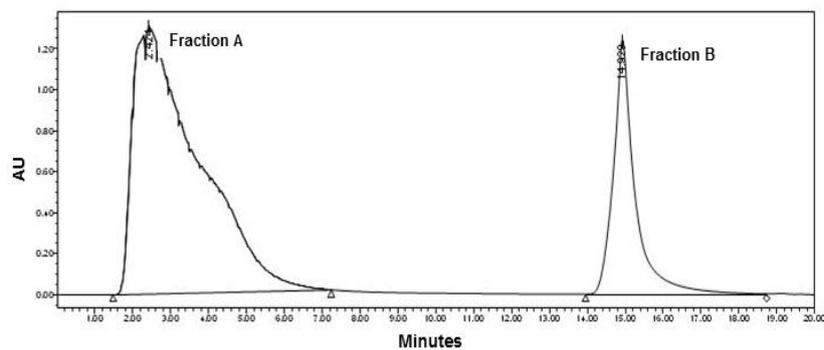


a)



Fraction	Retention time	Area	Area %
A (sample depleted)	2.424	15825585	76.03
B (albumin and IgG's)	14.929	49269392	23.97

b)

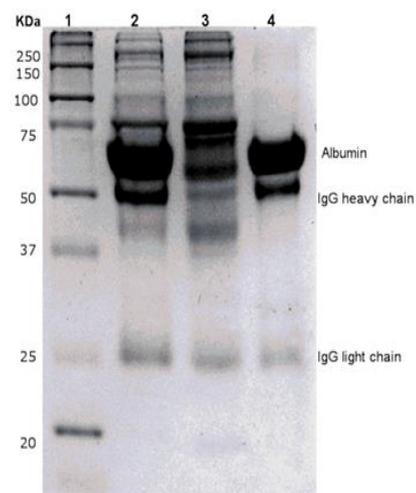


Figure S1: Depletion of albumin and IgG's in serum samples. (a) Representative chromatogram obtained after depletion. Fraction A: Depleted proteins and Fraction B: Immunoglobulin G and albumin. (b) SDS-PAGE of serum proteins before and after depletion. Lane 1: Weight marker, lane 2: serum before depletion, lane 3: depleted proteins (fraction A), Lane 4: albumin and IgG's (fraction B). Twenty micrograms of proteins were loaded per lane and separated in 10% polyacrylamide gel and visualized by Coomassie blue staining.

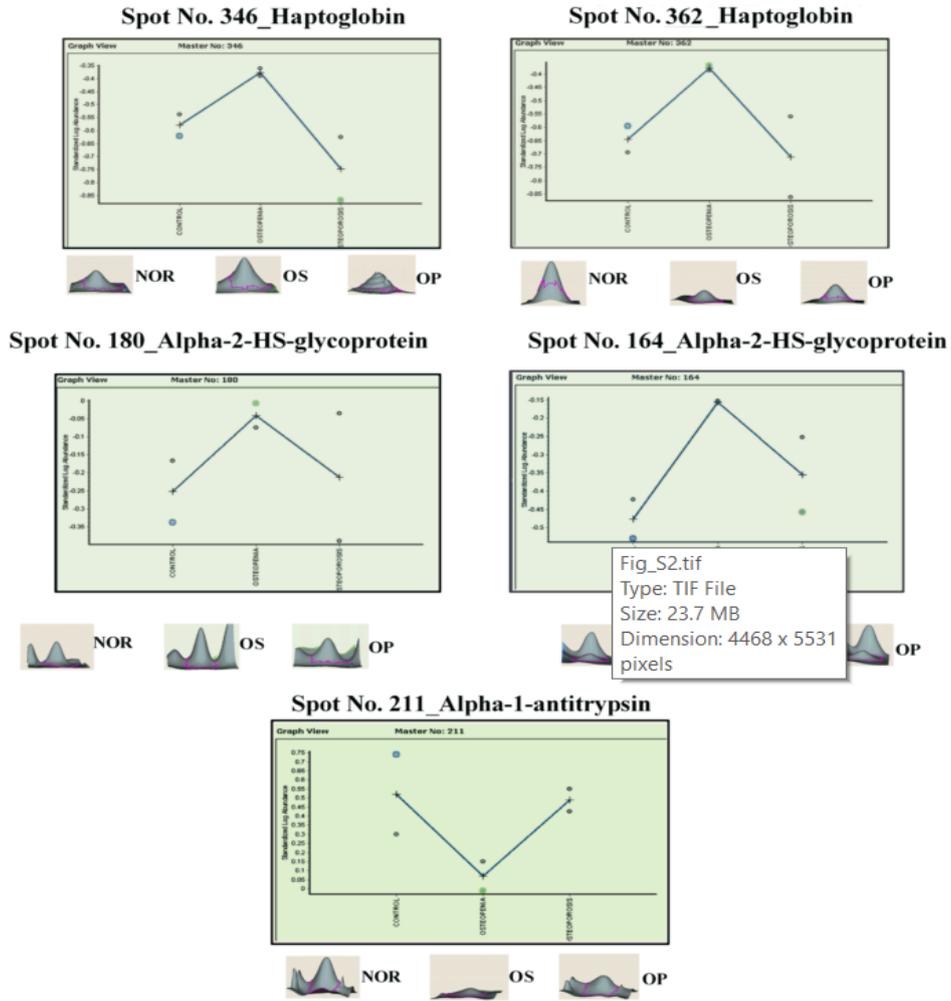


Figure S2: Additional differentially expressed proteins in postmenopausal women implicated in bone metabolism. The 3D images show the intensity representation of those proteins selected for their association to BMD and with a role in bone remodeling. Proteins identified in the biological variation analysis (BVA), with p -value > 0.05 between the group of women with OS and OP.