

S4 Table. Gene expression levels in aorta, bone and adipose tissues in donors, according to gender

Gene	Males (n=23)			Females (n=22)			p-value		
	Aorta	Bone	Adipose tissue	Aorta	Bone	Adipose tissue	Aorta	Bone	Adipose tissue
IL-1β	0.26 $\pm$ 0.43	0.13 $\pm$ 0.21	0.42 $\pm$ 0.14	0.12 $\pm$ 0.22	0.09 $\pm$ 0.17	0.48 $\pm$ 0.10	0.206	0.504	0.576
IL-6	0.84 $\pm$ 1.51	0.33 $\pm$ 0.45	1.03 $\pm$ 0.23	0.47 $\pm$ 0.72	0.25 $\pm$ 0.41	1.41 $\pm$ 0.78	0.305	0.514	0.497
IL-17A	0.48 $\pm$ 0.93	0.26 $\pm$ 0.44	0.82 $\pm$ 0.19	0.26 $\pm$ 0.54	0.22 $\pm$ 0.36	1.19 $\pm$ 0.65	0.356	0.621	0.323
TNF	6.03 $\pm$ 14.89	0.25 $\pm$ 0.39	1.42 $\pm$ 0.99	3.15 $\pm$ 8.26	0.46 $\pm$ 0.75	1.84 $\pm$ 2.28	0.431	0.272	0.750
RANKL	0.31 $\pm$ 0.53	0.26 $\pm$ 0.45	0.75 $\pm$ 0.26	0.21 $\pm$ 0.42	0.18 $\pm$ 0.36	0.83 $\pm$ 0.38	0.495	0.519	0.738
OPG	0.38 $\pm$ 0.70	0.15 $\pm$ 0.26	0.55 $\pm$ 0.07	0.16 $\pm$ 0.33	0.09 $\pm$ 0.21	0.66 $\pm$ 0.19	0.181	0.443	0.313
COL1A1	0.36 $\pm$ 0.62	0.19 $\pm$ 0.31	0.96 $\pm$ 0.24	0.47 $\pm$ 1.15	0.33 $\pm$ 0.81	0.76 $\pm$ 0.21	0.676	0.446	0.364
CTSK	0.38 $\pm$ 0.68	0.19 $\pm$ 0.31	0.44 $\pm$ 0.07	0.17 $\pm$ 0.26	0.11 $\pm$ 0.19	0.54 $\pm$ 0.14	0.179	0.292	0.243
OCL	10.11 $\pm$ 33.38	0.21 $\pm$ 0.41	2.10 $\pm$ 0.48	2.03 $\pm$ 2.27	0.56 $\pm$ 1.54	2.57 $\pm$ 1.84	0.260	0.307	0.701
TRAP	0.14 $\pm$ 0.29	0.08 $\pm$ 0.15	0.30 $\pm$ 0.14	0.08 $\pm$ 0.20	0.05 $\pm$ 0.06	0.13 $\pm$ 0.03	0.407	0.257	0.195
CBFA1	0.72 $\pm$ 1.03	0.27 $\pm$ 0.37	0.72 $\pm$ 0.12	0.46 $\pm$ 0.61	0.20 $\pm$ 0.29	0.84 $\pm$ 0.41	0.318	0.505	0.681
DKK1	0.23 $\pm$ 0.43	0.10 $\pm$ 0.19	0.27 $\pm$ 0.04	0.13 $\pm$ 0.21	0.07 $\pm$ 0.12	0.28 $\pm$ 0.05	0.313	0.450	0.891
SOST	1.08 $\pm$ 1.85	0.31 $\pm$ 0.43	1.19 $\pm$ 0.45	0.55 $\pm$ 0.70	0.29 $\pm$ 0.37	1.53 $\pm$ 0.87	0.213	0.870	0.526
AdipoQ	0.32 $\pm$ 0.59	0.21 $\pm$ 0.32	0.52 $\pm$ 0.11	0.20 $\pm$ 0.36	0.12 $\pm$ 0.23	0.44 $\pm$ 0.14	0.450	0.339	0.456
AdipoR1	0.91 $\pm$ 1.64	0.39 $\pm$ 0.47	1.15 $\pm$ 0.23	0.37 $\pm$ 0.60	0.28 $\pm$ 0.35	1.44 $\pm$ 0.50	0.154	0.325	0.337

IL – Interleukin; TNF – Tumor necrosis factor; RANKL - Receptor Activator of NF- κ B Ligand; OPG – Osteoprotegerin; COL1A1 – Collagen type I; CTSK – Cathepsin K; OCL – Osteocalcin; TRAP – Tartrate resistant acid phosphatase; CBFA1 - Core-Binding Factor Alpha I; DKK1 - Dickkopf-related protein 1; SOST - Sclerostin; AdipoQ - Adiponectin; AdipoR1 - Adiponectin receptor 1.