

SUPPLEMENTARY MATERIAL

Table S1. Detailed description of the sample collections used in this study. N= Sample size; Std Dev = Standard deviation

Tissue	Study	Set	N	Age Mean	Age Range	Std.Dev.	Woman %
Blood	Current study	Controls	182	60.70	45 to 88	11.51	46.70
		Hand OA	206	60.58	32 to 88	10.06	88.35
		Knee OA	229	67.66	55 to 78	5.63	82.09
		Hip OA	273	68.38	55 to 84	5.50	59.70
Cartilage	Fernández-Tajes J et al, Ann Rheum Dis 2014; 73:668	Knee Controls	18	59.28	40 to 79	10.83	33.33
		Knee OA	29	68.52	54 to 79	7.25	69.00
	Aref-Eshghi E et al, BMC Musculoskelet Disord 2015; 16:287	Knee OA	6	65.35	54 to 78	10.63	100.00
		Hip Controls	10	79.37	63 to 95	11.38	90.00
		Hip OA	7	60.93	41 to 80	14.29	100.00
	Lokk K et al, Genome Biol 2014; 15:R54	Controls	3	49.00	40 to 54	7.81	0.00
Bone	Delgado-Calle J et al, Arthritis Rheum 2013; 65:197	Controls	4	51.75	40 to 60	8.42	25.00
		Hip Cadaver	7	80.29	69 to 92	8.08	100.00
		Hip Fracture	34	80.68	65 to 104	7.11	100.00
		Hip OA	33	75.42	58 to 89	6.74	100.00