

Table S1. Biomarkers of systemic inflammation in men and women.

	Women (n = 148)	Men (n = 90)
TNF- α^a (au)	3.1 \pm 0.4	3.2 \pm 0.4
IL-6 (au)	3.3 \pm 0.6	3.4 \pm 0.8
IL-10 (au)	3.7 \pm 0.4	3.9 \pm 0.4*
IL-18 (au)	8.0 \pm 0.5	8.3 \pm 0.5*
MCP-1 (au)	12.5 \pm 0.4	12.5 \pm 0.4
MIP-1 α (au)	5.3 \pm 0.5	5.5 \pm 0.5*

^aWomen n = 147. Au = arbitrary units. * p < 0.05 vs. women.

Table S2. Associations (β -coefficients and 95% CI) between muscle health and pro- and anti-inflammatory biomarkers in older women.

	Skeletal muscle index ^a	5-sit-to-stand
Model 2		
CRP ^b	-0.379 (-0.619 to -0.139)*	-
Fibrinogen	-0.377 (-0.625 to -0.130)*	-
TNF- α^a	-	0.189 (0.015 to 0.364)*
IL-6	-0.369 (-0.622 to -0.130)	-
Model 3		
CRP ^b	-0.330 (-0.590 to -0.070)*	-
Fibrinogen	-0.358 (-0.625 to -0.091)*	-
TNF- α^a	-	0.184 (0.003 to 0.364)*
IL-6	-0.375 (-0.648 to -0.102)*	-
Model 4		
CRP ^b	-0.311 (-0.582 to -0.040)*	-
Fibrinogen	-0.415 (-0.692 to -0.139)*	-
TNF- α^a	-	0.188 (0.007 to 0.369)*
IL-6	-0.364 (-0.648 to -0.040)*	-

^an = 147. ^bn = 146. Model 2 = Data adjusted by WC, age, medication use (Yes/No) and protein intake. Model 3 = Model 2 + average counts per minute. Model 4 = Model 3 + Participation in ≥ 2 muscle strengthening activities per week (Yes/No). * p < 0.05. CRP = C-reactive protein. TNF- α = tumor necrosis factor alpha. IL-6 = interleukin-6.