

Gene	Chromosomal location	Biological process	References
<i>FNDC5</i>	1p35.1	Homeostatic metabolism	[16]
<i>IL-6</i>	7p15.3	Inflammation and the maturation of B cells	[17]
<i>CRP</i>	1q23.2	Host defense	[18]
<i>HFE</i>	6p22.2	Intestinal absorption of iron	[19]
<i>PPARG</i>	3p25.2	Nuclear receptor involved in physical performance	[20]
<i>IL-10</i>	1q32.1	Immune regulatory cytokine that effects in inflammation	[21]
<i>TNF</i>	6p21.33	Cell proliferation, differentiation, apoptosis, lipid metabolism and coagulation	[22]
<i>IL1B</i>	2q14.1	Prostaglandin synthesis, fibroblast proliferation, collagen production and differentiation of T-cells	[23]
<i>TGFB1</i>	19q13.2	Cell proliferation, differentiation and growth, expression and activation of other growth factors	[24]
<i>LPL</i>	8p21.3	Triglyceride metabolism, lipid clearance and cholesterol metabolism	[25]
<i>HMGCR</i>	5q13.3	Cholesterol biosynthesis, cholesterol metabolism, lipid clearance	[26]
<i>CETP</i>	16q13	Transfer of neutral lipids, including cholesteryl ester and triglyceride, among lipoprotein particles	[27]
<i>LIPC</i>	15q21.3	Hydrolysis of triglycerides and phospholipids present in circulating plasma lipoproteins	[28]
<i>FADS1/2</i>	11q12.2	Essential fatty acid metabolism	[29]

Supplemental Table S1. Diet, lifestyle, and physical performance/sports - related genes examined in this study.