

Supplementary materials

2 Supplementary Table 1 | Summary of inclusion and exclusion criteria during medical examination

Inclusion criteria	1. Aged not less than 30 years and not older than 40	4
	2. Experienced marathon runner (minimum five starts in full marathon	run)
	3. Completion time less than 3 h 20 min	5
	4. No additional drug intake or smoking and good health status	6
	5. No additional supplementation	
Exclusion criteria	1. Physically or mentally illness	7
	2. Previsions heart and liver problems	
	3. Comorbidities causing severe inflammation: asthma, allergy, asthma,	
	celiac disease, psoriasis, Raynaud's disease, rheumatoid arthritis, systemic	
	lupus erythematosus, diabetes, and other.	9