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Supplementary Material

SUPPLEMENTARY MATERIAL TO

Pirim, D., Niş, H.F. & Bağcı, F.A. 2024. Investigation of the putative functional relevance of the *IL-6* 3'UTR genetic variants with athletic phenotype in Turkish triathletes. *Trakya Univ J Nat Sci*, 25(2): 151-160, DOI: 10.23902/trkjnat.1493225

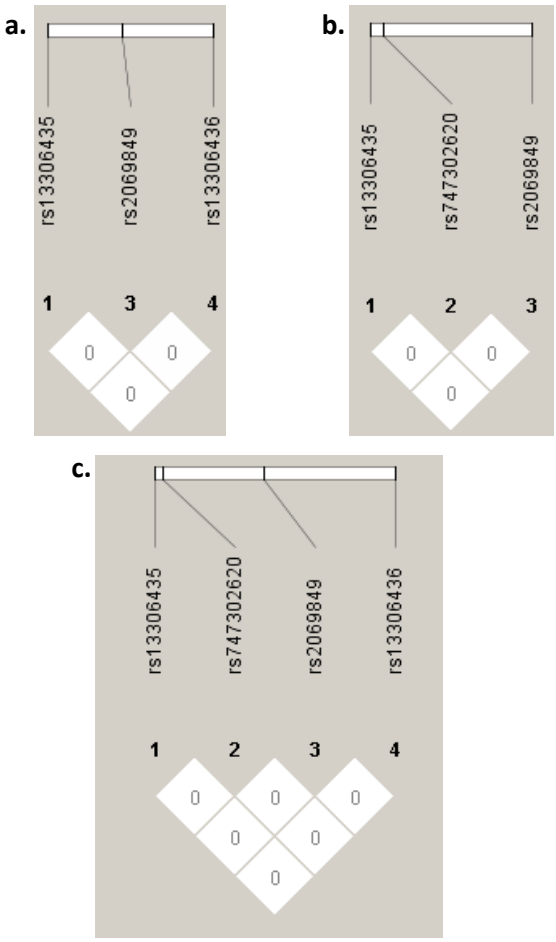

Fig. S1. Linkage disequilibrium patterns of the SNVs in **a.** triathletes, **b.** sedanter, **c.** total samples.

Table S1. PCR conditions used for *IL-6* 3'UTR amplficiation.

	Temperature	Time	Cycle
Initial Denaturation	95ºC	10 min	1 cycle
Denature	95ºC	15 sec	35 cycle
Annealing	55ºC	30 sec	
Extend	72ºC	1 min	
Final Extension	72ºC	5 min	1 cycle

Table S2. Allele frequency distributions of the identified SNVs in worldwide populations (Alexander & Machiela 2020, * current study).

Population	n	rs13306435 AF	rs747302620 AF	rs2069849 AF	rs13306436 AF
Our Population *	93	T: 98.4%, A: 1.6%	A: 99.5%, C: 0.5%	C: 97.8%, T: 2.2%	G:98.4%, A:1.6%
Triathletes *	47	T: 98.9%, A: 1.1%	A:100%, C:0%	C:96.8%, T: 3.2%	G: 96.8%, A: 3.2%
Sedanters *	46	T: 98.7%, A: 2.2%	A: 98.9%, C: 1.1%	C: 98.9%, T: 1.1%	G: 100%, A: 0%
All Populations	2504	T: 97.96%, A: 2.04%	A: n/a, C: n/a	C: 92.99%, T: 7.01%	G: 99.52%, A: 0.48%
African	661	T: 99.85%, A: 0.15%	A: n/a, C: n/a	C: 83.96%, T: 16.04%	G: 100.0%, A: 0.0%
Yoruba in Ibadan, Nigeria	108	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 80.56%, T: 19.44%	G: 100.0%, A: 0.0%
Luhya in Webuye, Kenya	99	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 89.39%, T: 10.61%	G: 100.0%, A: 0.0%
Gambian in Western Divisions in the Gambia	113	T: 99.56%, A: 0.44%	A: n/a, C: n/a	C: 86.28%, T: 13.72%	G: 100.0%, A: 0.0%
Mende in Sierra Leone	85	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 79.41%, T: 20.59%	G: 100.0%, A: 0.0%
Esan in Nigeria	99	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 81.82%, T: 18.18%	G: 100.0%, A: 0.0%
Americans of African Ancestry in SW USA	61	T: 99.18%, A: 0.82%	A: n/a, C: n/a	C: 83.61%, T: 16.39%	G: 100.0%, A: 0.0%
African Caribbeans in Barbados	96	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 85.94%, T: 14.06%	G: 100.0%, A: 0.0%
Ad Mixed American	347	T: 92.22%, A: 7.78%	A: n/a, C: n/a	C: 92.07%, T: 7.93%	G: 100.0%, A: 0.0%
Mexican Ancestry from Los Angeles USA	64	T: 89.84%, A: 10.16%	A: n/a, C: n/a	C: 92.19%, T: 7.81%	G: 100.0%, A: 0.0%
Puerto Ricans from Puerto Rico	104	T: 96.63%, A: 3.37%	A: n/a, C: n/a	C: 93.27%, T: 6.73%	G: 100.0%, A: 0.0%
Colombians from Medellin, Colombia	94	T: 93.09%, A: 6.91%	A: n/a, C: n/a	C: 91.49%, T: 8.51%	G: 100.0%, A: 0.0%
Peruvians from Lima, Peru	85	T: 87.65%, A: 12.35%	A: n/a, C: n/a	C: 91.18%, T: 8.82%	G: 100.0%, A: 0.0%
East Asian	504	T: 97.42%, A: 2.58%	A: n/a, C: n/a	C: 99.8%, T: 0.2%	G: 97.62%, A: 2.38%
Han Chinese in Beijing, China	103	T: 93.69%, A: 6.31%	A: n/a, C: n/a	C: 100.0%, T: 0.0%	G: 96.6%, A: 3.4%
Japanese in Tokyo, Japan	104	T: 98.08%, A: 1.92%	A: n/a, C: n/a	C: 100.0%, T: 0.0%	G: 95.67%, A: 4.33%
Southern Han Chinese	105	T: 96.67%, A: 3.33%	A: n/a, C: n/a	C: 100.0%, T: 0.0%	G: 97.62%, A: 2.38%
Chinese Dai in Xishuangbanna, China	93	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 98.92%, T: 1.08%	G: 98.92%, A: 1.08%
Kinh in Ho Chi Minh City, Vietnam	99	T: 98.99%, A: 1.01%	A: n/a, C: n/a	C: 100.0%, T: 0.0%	G: 99.49%, A: 0.51%
European	503	T: 98.31%, A: 1.69%	A: n/a, C: n/a	C: 97.81%, T: 2.19%	G: 100.0%, A: 0.0%
Utah Residents (CEPH) with Northern and Western European Ancestry	99	T: 99.49%, A: 0.51%	A: n/a, C: n/a	C: 97.98%, T: 2.02%	G: 100.0%, A: 0.0%
Toscani in Italia	107	T: 98.6%, A: 1.4%	A: n/a, C: n/a	C: 98.6%, T: 1.4%	G: 100.0%, A: 0.0%
Finnish in Finland	99	T: 94.95%, A: 5.05%	A: n/a, C: n/a	C: 98.48%, T: 1.52%	G: 100.0%, A: 0.0%
British in England and Scotland	91	T: 98.9%, A: 1.1%	A: n/a, C: n/a	C: 97.8%, T: 2.2%	G: 100.0%, A: 0.0%

Iberian Population in Spain	107	T: 99.53%, A: 0.47%	A: n/a, C: n/a	C: 96.26%, T: 3.74%	G: 100.0%, A: 0.0%
South Asian	489	T: 99.69%, A: 0.31%	A: n/a, C: n/a	C: 93.87%, T: 6.13%	G: 100.0%, A: 0.0%
Gujarati Indian from Houston, Texas	103	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 92.23%, T: 7.77%	G: 100.0%, A: 0.0%
Punjabi from Lahore, Pakistan	96	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 94.27%, T: 5.73%	G: 100.0%, A: 0.0%
Bengali from Bangladesh	86	T: 98.84%, A: 1.16%	A: n/a, C: n/a	C: 96.51%, T: 3.49%	G: 100.0%, A: 0.0%
Sri Lankan Tamil from the UK	102	T: 99.51%, A: 0.49%	A: n/a, C: n/a	C: 93.63%, T: 6.37%	G: 100.0%, A: 0.0%
Indian Telugu from the UK	102	T: 100.0%, A: 0.0%	A: n/a, C: n/a	C: 93.14%, T: 6.86%	G: 100.0%, A: 0.0%

* current study, AF: Allele frequency

References

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