

**Supplementary Table S1.** Genotype and allele frequencies of *IL6 -174 G/C* in all the patients with GCA according to the presence of PMR.

Genotypes/Alleles	Yes % (n)	No % (n)	<i>p</i>	OR [95% CI]
GG	47.6 (78)	41.8 (54)	-	Ref.
GC	40.2 (66)	45.0 (58)	0.35	0.79 [0.48-1.29]
CC	12.2 (20)	13.2 (17)	0.58	0.81 [0.39-1.70]
G	67.7 (222)	64.3 (166)	-	Ref.
C	32.3 (92)	35.7 (92)	0.40	0.86 [0.61-1.22]

CI: confidence interval; GCA: giant cell arteritis; OR: Odds Ratio; PMR: polymyalgia rheumatica.

**Supplementary Table S2.** Genotype and allele frequencies of *IL6 -174 G/C* in patients with severe ischaemic manifestations.

Genotypes/Alleles	Yes% (n)	No % (n)	<i>p</i>	OR [95% CI]
GG	46.2 (49)	45.1 (87)	-	Ref.
GC	36.8 (39)	45.1 (87)	0.39	0.80 [0.48-1.33]
CC	17.0 (18)	9.8 (19)	0.17	1.68 [0.81-3.50]
G	64.6 (137)	67.6 (261)	-	Ref.
C	35.4 (75)	32.4 (125)	0.46	1.14 [0.80-1.63]

CI: confidence interval; OR: Odds Ratio.

**Supplementary Table S3.** Genotype and allele frequencies of *IL6 -174 G/C* in all the patients with GCA according to the presence of visual manifestations and/or peripheral arteriopathy.

Genotypes/Alleles	Yes % (n)	No % (n)	<i>p</i>	OR [95% CI]
GG	40.7 (24)	46.7 (112)	-	Ref.
GC	39.0 (23)	42.9 (103)	0.90	1.04 [0.55-1.96]
CC	20.3 (12)	10.4 (25)	0.05	2.24 [0.99-5.07]
G	60.2 (71)	68.1 (327)	-	Ref.
C	39.8 (47)	31.9 (153)	0.10	1.41 [0.93-2.14]

CI: confidence interval; GCA: giant cell arteritis; OR: Odds Ratio.

**Supplementary Table S4.** Genotype and allele frequencies of *IL6 -174 G/C* in patients with permanent visual loss and/or peripheral arteriopathy.

Genotypes/Alleles	Yes % (n)	No % (n)	<i>p</i>	OR [95% CI]
GG	48.6 (17)	45.1 (119)	-	Ref.
GC	37.1 (13)	42.8 (113)	0.58	0.81 [0.37-1.73]
CC	14.3 (5)	12.1 (32)	0.87	1.09 [0.37-3.19]
G	67.1 (47)	66.5 (351)	-	Ref.
C	32.9 (23)	33.5 (177)	0.91	0.97 [0.57-1.65]

CI: confidence interval; OR: Odds Ratio.

**Supplementary Table S5.** Genotype and allele frequencies of *IL6 -174 G/C* in all the patients with GCA according to the presence of permanent visual loss.

Genotypes/Alleles	Yes % (n)	No % (n)	<i>p</i>	OR [95% CI]
GG	39.1 (9)	46.0 (127)	-	Ref.
GC	43.5 (10)	42.0 (116)	0.68	1.22 [0.48-3.10]
CC	17.4 (4)	12.0 (33)	0.40	1.71 [0.50-5.90]
G	60.9 (28)	67.0 (370)	-	Ref.
C	39.1 (18)	33.0 (182)	0.40	1.31 [0.70-2.42]

CI: confidence interval; GCA: giant cell arteritis; OR: Odds Ratio.

**Supplementary Table S6.** Genotype and allele frequencies of *IL6 -174 G/C* in all the patients with GCA according to the presence of *HLA-DRB1\*04:01*.

Genotypes/Alleles	Yes % (n)	No % (n)	<i>p</i>	OR [95% CI]
GG	53.5 (31)	42.9 (99)	-	Ref.
GC	36.2 (21)	44.1 (102)	0.18	0.66 [0.35-1.22]
CC	10.3 (6)	13.0 (30)	0.36	0.64 [0.24-1.68]
G	71.6 (83)	64.9 (300)	-	Ref.
C	28.4 (33)	35.1 (162)	0.18	0.74 [0.47-1.15]

CI: confidence interval; GCA: giant cell arteritis; OR: Odds Ratio.