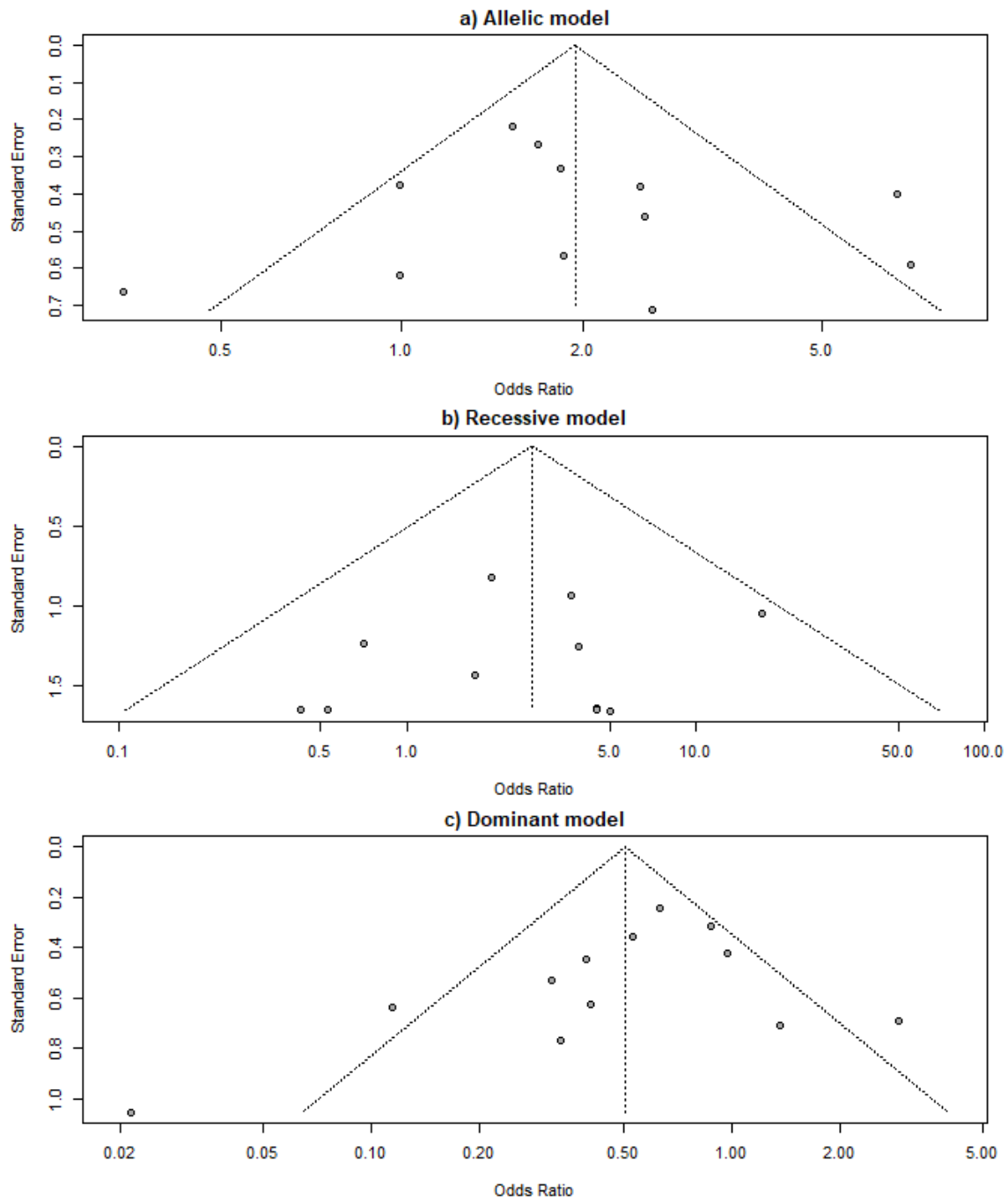




Supplementary Figure 1. Funnel plots for publication bias assessment in the meta-analysis of *PTPRC* rs10919563 polymorphism and response to anti-TNF therapy. (a) Allelic model, (b) Recessive model, and (c) Dominant model. Egger's test showed no significant evidence of funnel plot asymmetry for any of the models (allelic: $p = 0.746$; recessive: $p = 0.485$; dominant: $p = 0.225$). Original figure created by authors for this study.

Supplementary Table 1. Individual item scores from the Q-Genie tool assessing the methodological quality of the studies included in the meta-analysis.

Study	Year	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Item 11	Total score	Concept
Cui	2010	6	5.7	3.2	5.6	3	3.7	3.7	6	5.7	5.4	7	55	Good
Plant	2012	6.4	5.9	1.7	3.3	3	3.7	5	5.7	5	4.4	6.4	50.5	Good
Zervou	2013	7	7	4	5	4.3	5	4	2.5	1	1	7	47.8	Good
Canhão	2015	6	6.4	3.2	5.9	3	3.7	2.9	6	5.5	4.7	6	53.3	Good
Ferreiro-Iglesias	2015	6.4	4.5	1.4	5	1.7	2.4	3	4.7	5.5	5.4	5.7	45.7	Good

Supplementary Table 2. Genotype distributions of the *PTPRC* rs10919563 polymorphism among responders (controls) and non-responders (cases) across cohorts included in the meta-analysis. For each group, genotype counts (GG, GA, AA) and corresponding allele frequencies (G, A) are presented. *p*-values correspond to Hardy–Weinberg equilibrium (HWE)* tests performed separately within each cohort and outcome group.

rs10919563 polymorphism								
Cohort	Outcome	n	GG	GA	AA	G	A	(p value)*
Cui (ABCoN)	Non-responders	28	16	11	1	43	13	0.58
	Responders	47	38	8	1	84	10	0.47
Cui (AMC)	Non-responders	30	27	3	0	57	3	0.77
	Responders	49	37	11	1	85	13	0.86
Cui (BeSt)	Non-responders	38	25	10	3	60	16	0.19
	Responders	88	73	13	2	159	17	0.14
Cui (BRAGGSS)	Non-responders	32	24	8	0	56	8	0.41
	Responders	42	37	4	1	78	6	0.06
Cui (BRASS)	Non-responders	17	13	3	1	29	5	0.22
	Responders	27	19	8	0	46	8	0.36
Cui (EIRA)	Non-responders	75	54	20	1	128	22	0.57
	Responders	111	92	19	0	203	19	0.32
Cui (eRA)	Non-responders	48	35	12	1	82	14	0.98
	Responders	68	50	16	2	116	20	0.60
Cui (KI)	Non-responders	30	16	13	1	45	15	0.39
	Responders	44	40	4	0	84	4	0.75
Cui (JBI)	Non-responders	15	10	5	0	25	5	0.43
	Responders	28	24	4	0	52	4	0.68
Zervou	Non-responders	87	60	15	12	135	39	>0.0001

Ferreiro-Iglesias	Responders	106	76	29	1	181	31	0.32
	Non-responders	136	97	36	3	230	42	0.87
	Responders	262	209	50	3	468	56	0.99
	Non-responders	16	1	14	1	16	16	0.002
Canhão	Responders	119	90	27	2	207	31	0.98

Supplementary Material I

PUBMED

(rheumatoid arthritis [Title/Abstract] OR "Arthritis, Rheumatoid"[Mesh])

AND

(allele[Title/Abstract] OR genotype[Title/Abstract] OR "genes"[MeSH Terms] OR "polymorphism, genetic"[MeSH Terms] OR "genetic association studies"[MeSH Terms] OR "genotype"[MeSH Terms] OR "genetic predisposition to disease"[MeSH Terms] OR "genetic variation"[MeSH Terms] OR "alleles"[Title/Abstract] OR "genes"[Title/Abstract] OR "polymorphism, genetic"[Title/Abstract] OR "genetic association studies"[Title/Abstract] OR "genotype"[Title/Abstract] OR "genetic predisposition to disease"[Title/Abstract] OR "genetic variation"[Title/Abstract] OR "alleles"[Title/Abstract])

AND

(PTPRC [Title/Abstract] OR LCA [Title/Abstract] OR "LY5" [Title/Abstract] OR B220[Title/Abstract] OR CD45 [Title/Abstract] OR L-CA [Title/Abstract] OR T200 [Title/Abstract] OR CD45R [Title/Abstract] OR GP180 [Title/Abstract] OR "protein tyrosine phosphatase receptor type C" [Title/Abstract] OR "PTPRC protein, human" [Supplementary Concept])

SCOPUS

Search Strategy 1

(TITLE-ABS("rheumatoid arthritis") OR TITLE-ABS("Arthritis, Rheumatoid"))

AND

(TITLE-ABS(allele) OR TITLE-ABS(genotype) OR TITLE-ABS("genetic predisposition to disease"))

AND

(TITLE-ABS("PTPRC") OR TITLE-ABS("CD45") OR TITLE-ABS("protein tyrosine phosphatase receptor type C"))

Search Strategy 2

(TITLE-ABS("rheumatoid arthritis") OR TITLE-ABS("Arthritis, Rheumatoid"))

AND

(TITLE-ABS("genetic variation") OR TITLE-ABS("genetic association studies") OR TITLE-ABS(polymorphism))

AND (TITLE-ABS("PTPRC") OR TITLE-ABS("B220") OR TITLE-ABS("T200")
OR TITLE-ABS("LY5"))

Search Strategy 3

(TITLE-ABS("rheumatoid arthritis") OR TITLE-ABS("Arthritis, Rheumatoid"))

AND

(TITLE-ABS("genes") OR TITLE-ABS("genotype") OR
TITLE-ABS("polymorphism, genetic"))

AND

(TITLE-ABS("PTPRC") OR TITLE-ABS("CD45R") OR TITLE-ABS("GP180") OR
TITLE-ABS("L-CA"))

Search Strategy 4

(TITLE-ABS("rheumatoid arthritis") OR TITLE-ABS("Arthritis, Rheumatoid"))

AND

(TITLE-ABS("genetic association studies") OR TITLE-ABS("genetic predisposition
to disease") OR TITLE-ABS("genotype"))

AND

(TITLE-ABS("PTPRC") OR TITLE-ABS("CD45") OR TITLE-ABS("LCA") OR
TITLE-ABS("LY5"))