

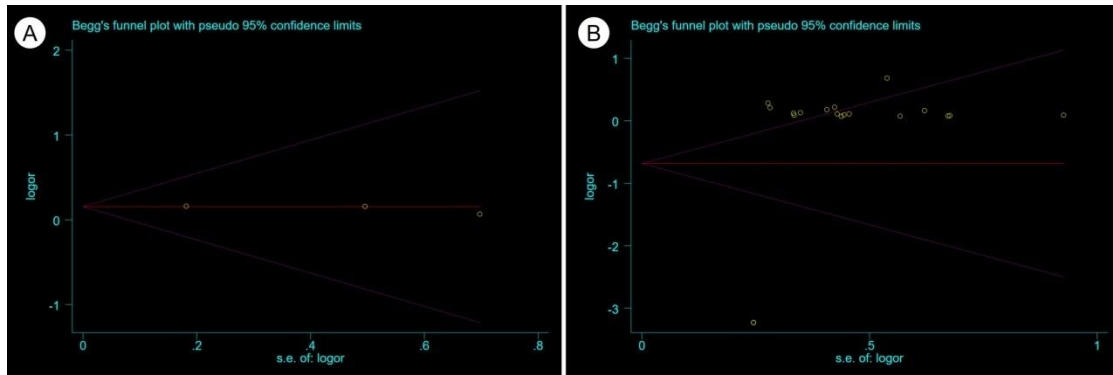
**Supplementary Table S1:** Search terms in six databases.

Search terms	Database	Number of publications
#1 AND #2 AND #3	PUBMED	123
#1 AF=(tuberculosis OR TB)		
#2 AF=(TNF- $\alpha$ OR tumor necrosis factor alpha)		
#3 AF=(polymorphisms OR polymorphism)	Metstr	150
(tuberculosis OR TB[TIAB] AND TNF- $\alpha$ OR tumor necrosis factor alpha[TIAB] AND polymorphisms OR polymorphism[TIAB])		
#1 AND #2 AND #3		
#1 TS=(tuberculosis OR TB)	Web of science	213
#2 TS=(TNF- $\alpha$ OR tumor necrosis factor alpha)		
#3 TS=(polymorphisms OR polymorphism)		
#1 AND #2 AND #3	Medline	188
#1 TS=(tuberculosis OR TB)		
#2 TS=(TNF- $\alpha$ OR tumor necrosis factor alpha)		
#3 TS=(polymorphisms OR polymorphism)	EMBASE	91
#1 AND #2 AND #3		
#1 'tuberculosis':ab,ti OR 'tb':ab,ti		
#2 'tumor necrosis factor alpha':ab,ti OR 'tnf- $\alpha$ ':ab,ti	CNKI	64
#3 'polymorphisms':ab,ti OR 'polymorphism':ab,ti		
#1 AND #2 AND #3		
#1 AB='tuberculosis' OR 'TB'	CNKI	64
#2 AB='TNF- $\alpha$ ' OR 'tumor necrosis factor alpha'		
#3 AB='polymorphisms' OR 'polymorphism'		

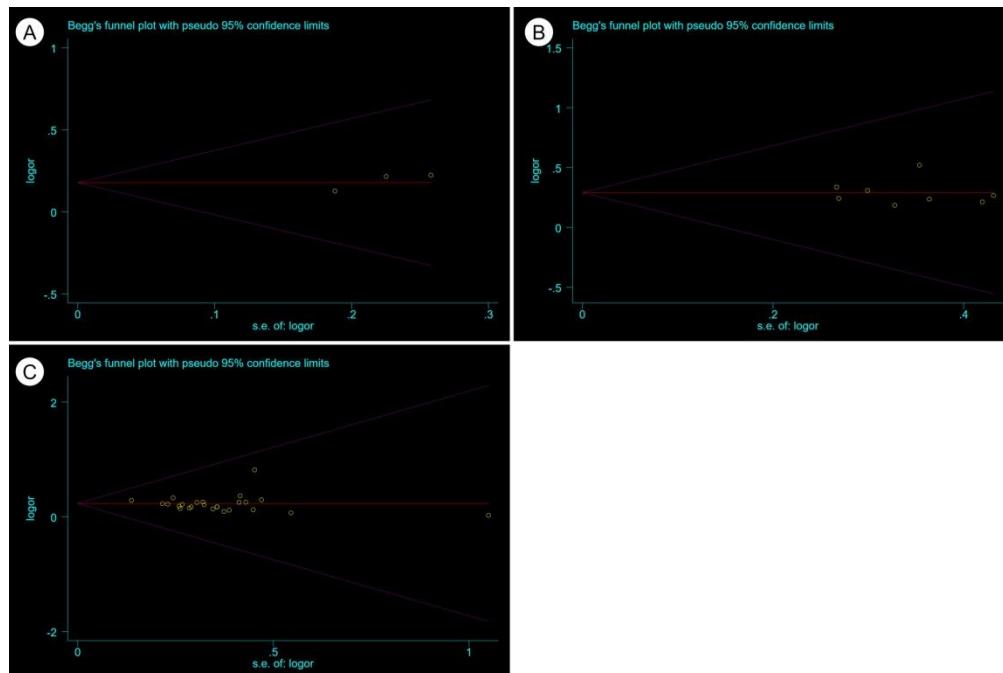
**Supplementary Table S2:** Genotype distributions in cases and controls.

First author	Year	Case			Control		
		Genotype			Genotype		
		GG	GA	AA	GG	GA	AA
Amirzargar, A. A.	2006	36	4	0	76	46	0
Anoosheh, S.	2011	84	9	0	98	5	0
Ates, O.	2008	121	7	0	77	3	0
Correa, P. A.	2005	75	60	0	333	96	1
Fan, H. M.	2010	99	12	2	105	8	0
Fitness, J.	2004	162	19	0	464	69	0
Ghamari, E.	2016	8	16	127	32	2	49
Hasan, K. K.	2014	84	8	2	69	10	1
Li, Q.F.	2017	283	22	1	266	13	1
Lin, C. Y.	2011	43	3	0	37	2	0
Lv, Y.J.	2016	87	26	7	82	13	5
Merza, M.	2009	108	9	0	57	3	0
Metanat, M.	2013	83	9	0	172	22	0
Selvaraj, P.	2001	176	34	0	96	23	1
Shahsavari, F.	2016	96	4	0	92	8	0
Sharma, S.	2010	164	19	2	141	14	0
Trajkov, D.	2009	70	5	0	276	23	2
Varahram, M.	2014	8	16	127	32	2	49
Vejbaesya, S.	2007	136	13	0	137	10	0
Zhou, Y.	2017	357	16	0	341	20	1
Zheng, M.F.	2018	217	23	0	143	7	0
Zhang, Y.K.	2017	51	7	0	46	0	0
Cheng, Z.G.	2015	55	10	0	48	1	1
Yang, H.	2010	194	3	3	190	3	4

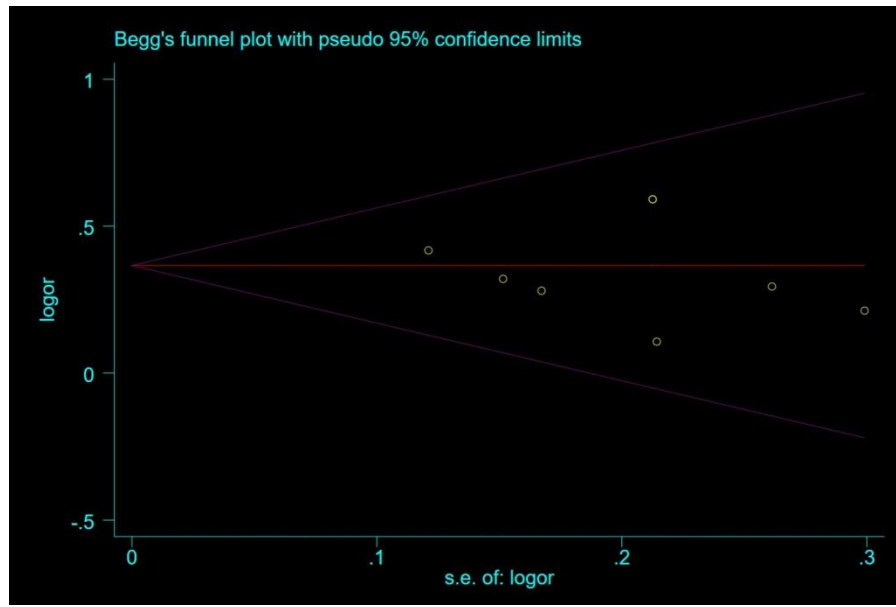
## Supplementary Figures



**Supplementary Figure S1:** Begg's funnel plot analysis for the evaluation of potential publication bias of rs361525 under allele genetic model in Caucasian (A) and Asian (B) population.



**Supplementary Figure S2:** Begg's funnel plot analysis for the evaluation of potential publication bias of rs1800629 under allele genetic model in African (A), Caucasian (B), and Asian (C) population.



**Supplementary Figure S3:** Begg's funnel plot analysis for the evaluation of potential publication bias of rs1799724 under allele genetic model in Asian population.