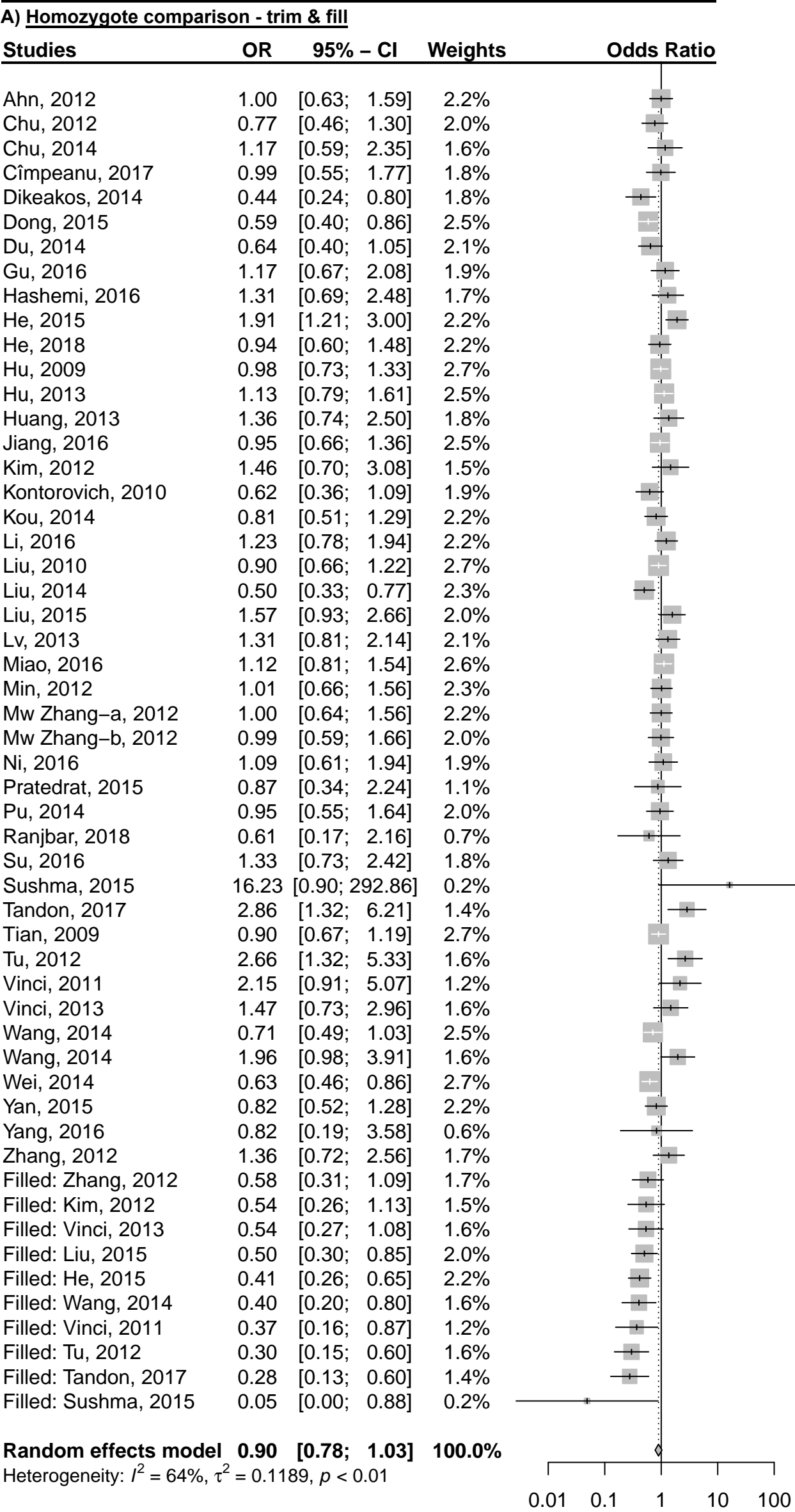
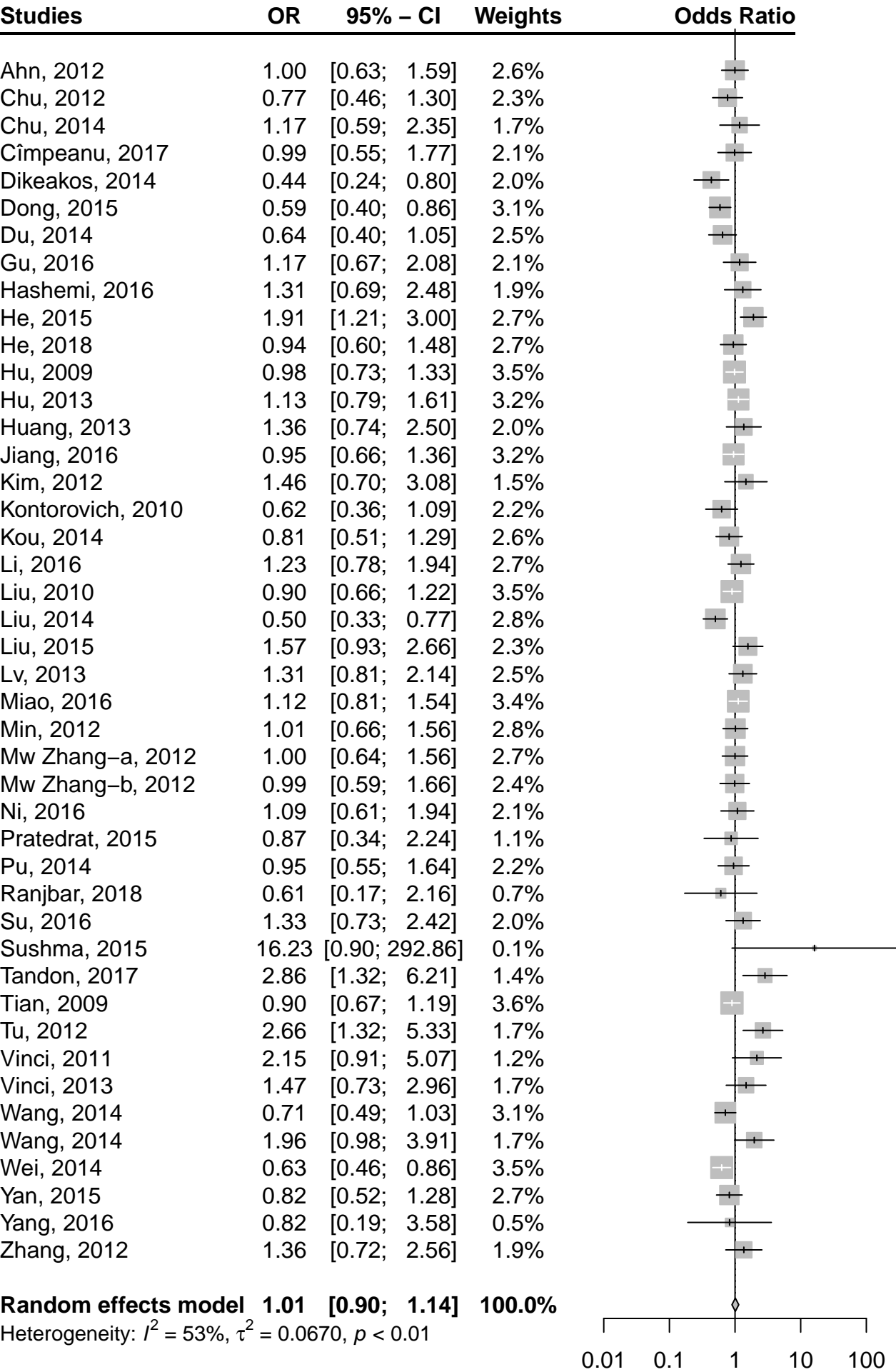


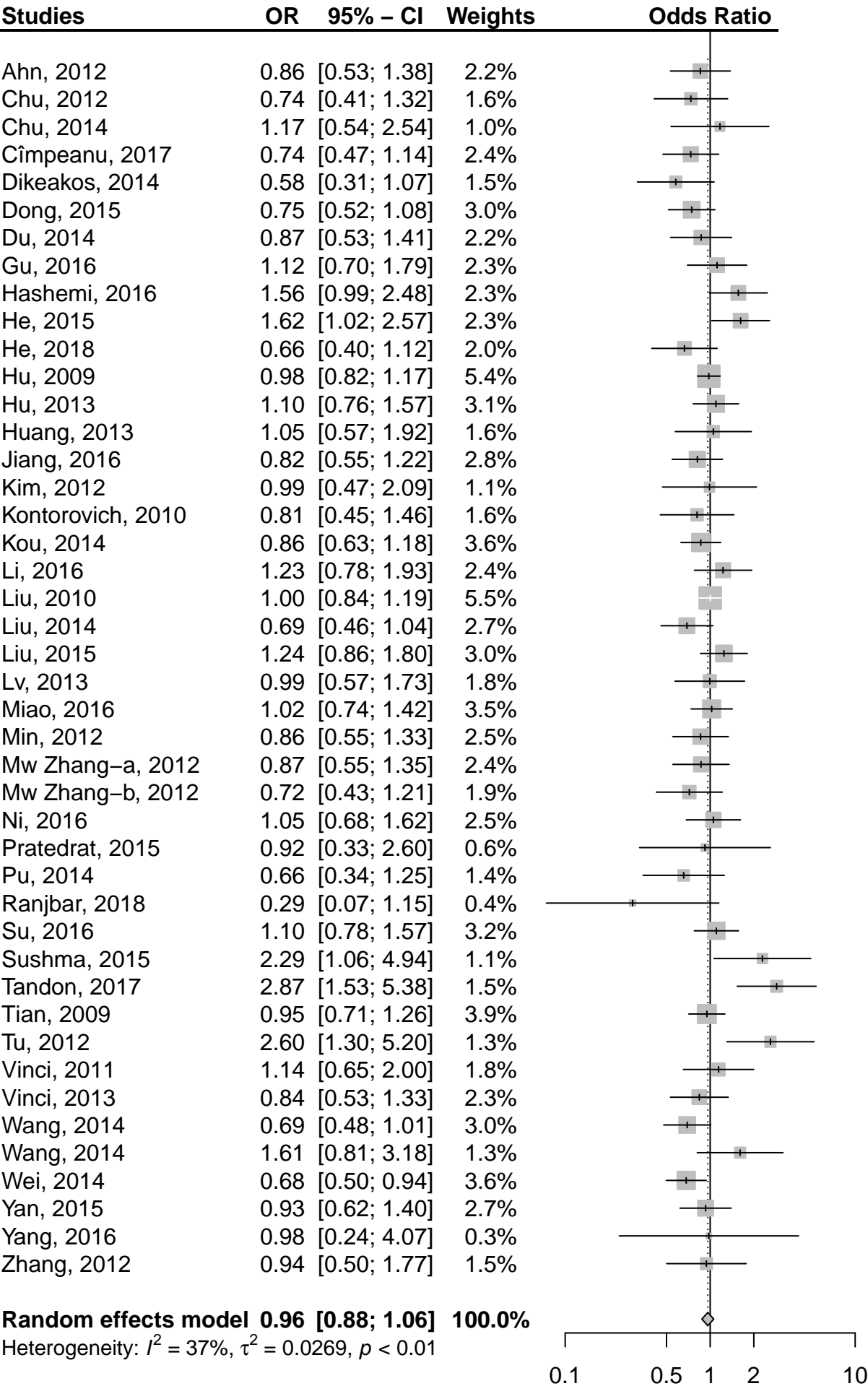
**Supplementary Figure S4.** Forest plots for association of miR-149 rs2292832 and cancer risk under different genetic models. **A)** Homozygote comparison with trim & fill approach; **B)** Homozygote comparison using original studies; **C)** Heterozygote comparison; **D)** Dominant comparison; **E)** Recessive comparison with “trim & fill” approach; **F)** Recessive comparison using original studies; **G)** Allele contrast with “trim & fill” approach; **H)** Allele contrast using original studies



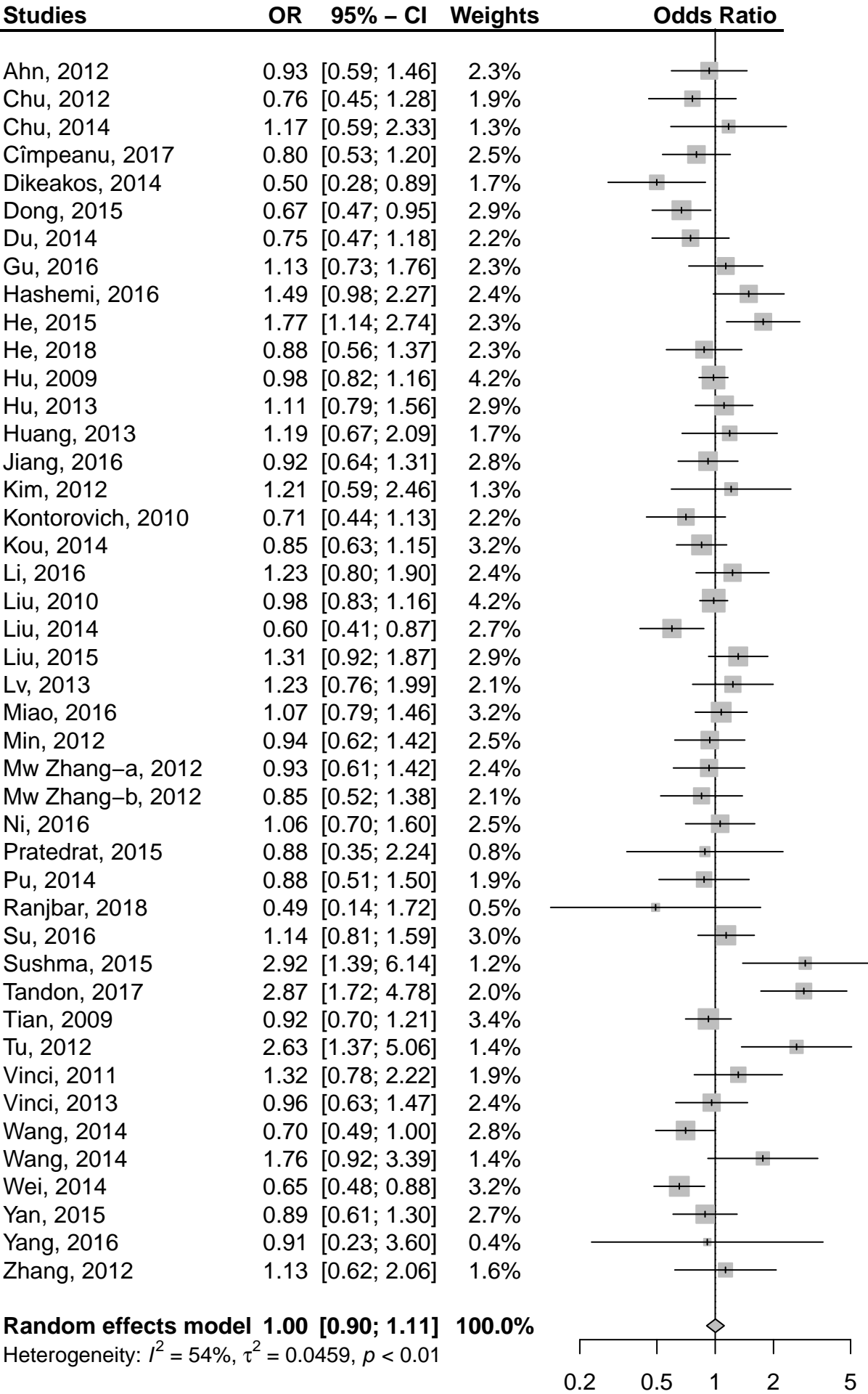
B) Homozygote comparison using original studies



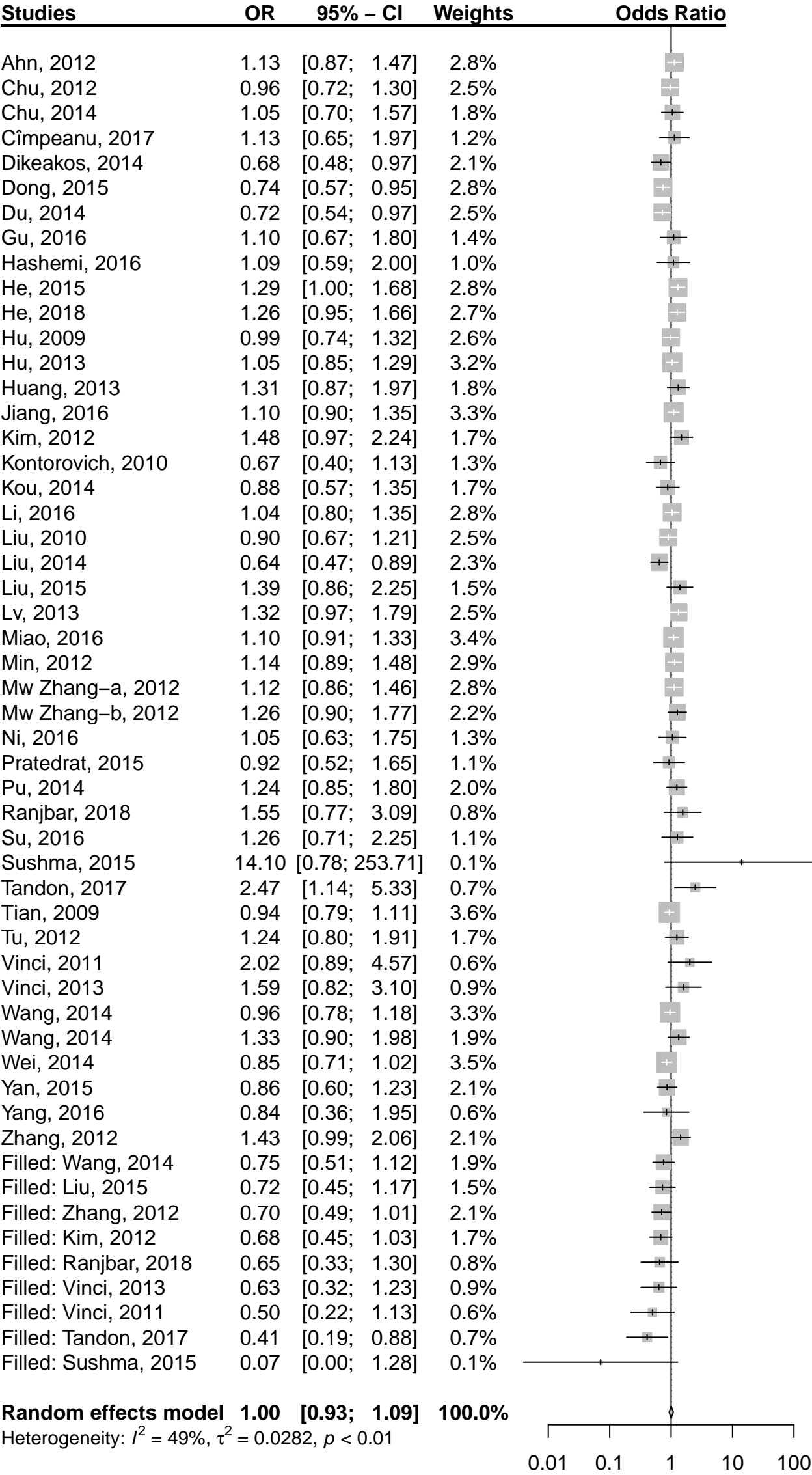
C) Heterozygote comparison



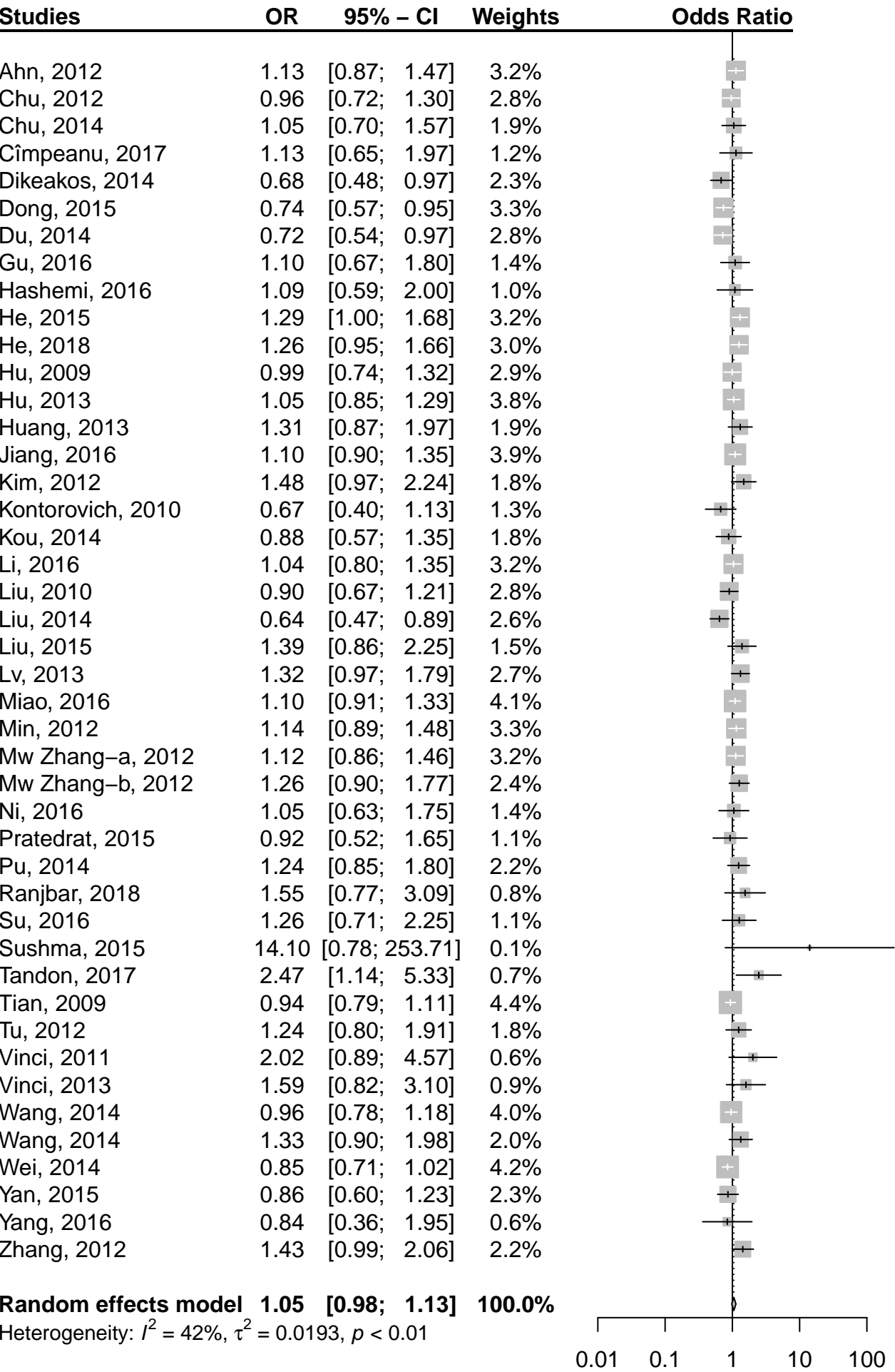
D) Dominant model



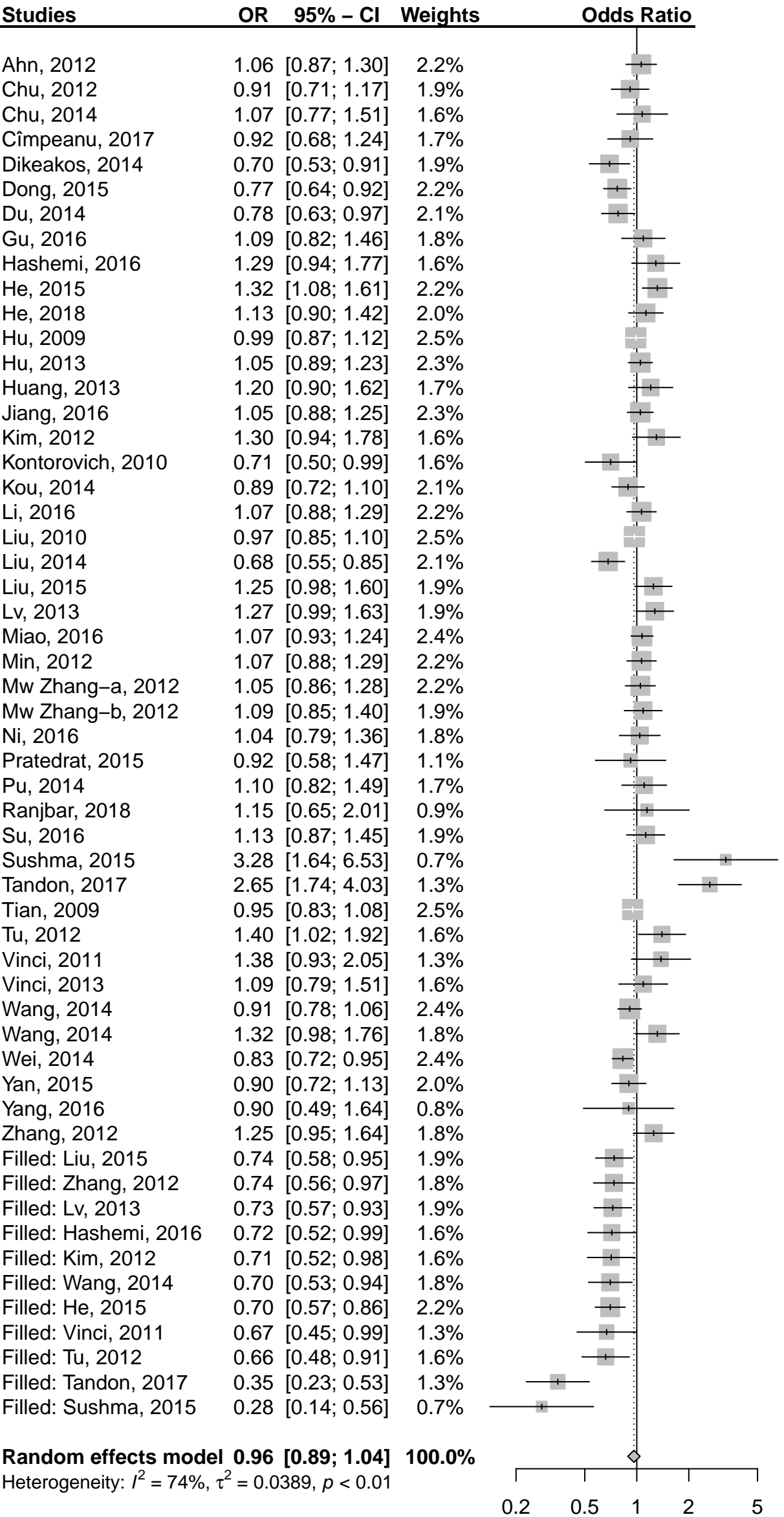
E) Recessive model - trim & fill



F) Recessive model using original studies



G) Allele contrast - trim & fill



H) Allele contrast using original studies

Studies OR 95% – CI Weights Odds Ratio

Ahn, 2012	1.06	[0.87; 1.30]	2.7%	
Chu, 2012	0.91	[0.71; 1.17]	2.3%	
Chu, 2014	1.07	[0.77; 1.51]	1.7%	
Cîmpeanu, 2017	0.92	[0.68; 1.24]	2.0%	
Dikeakos, 2014	0.70	[0.53; 0.91]	2.2%	
Dong, 2015	0.77	[0.64; 0.92]	2.9%	
Du, 2014	0.78	[0.63; 0.97]	2.6%	
Gu, 2016	1.09	[0.82; 1.46]	2.0%	
Hashemi, 2016	1.29	[0.94; 1.77]	1.8%	
He, 2015	1.32	[1.08; 1.61]	2.7%	
He, 2018	1.13	[0.90; 1.42]	2.5%	
Hu, 2009	0.99	[0.87; 1.12]	3.3%	
Hu, 2013	1.05	[0.89; 1.23]	3.1%	
Huang, 2013	1.20	[0.90; 1.62]	2.0%	
Jiang, 2016	1.05	[0.88; 1.25]	3.0%	
Kim, 2012	1.30	[0.94; 1.78]	1.8%	
Kontorovich, 2010	0.71	[0.50; 0.99]	1.7%	
Kou, 2014	0.89	[0.72; 1.10]	2.6%	
Li, 2016	1.07	[0.88; 1.29]	2.8%	
Liu, 2010	0.97	[0.85; 1.10]	3.3%	
Liu, 2014	0.68	[0.55; 0.85]	2.6%	
Liu, 2015	1.25	[0.98; 1.60]	2.3%	
Lv, 2013	1.27	[0.99; 1.63]	2.3%	
Miao, 2016	1.07	[0.93; 1.24]	3.2%	
Min, 2012	1.07	[0.88; 1.29]	2.8%	
Mw Zhang–a, 2012	1.05	[0.86; 1.28]	2.7%	
Mw Zhang–b, 2012	1.09	[0.85; 1.40]	2.3%	
Ni, 2016	1.04	[0.79; 1.36]	2.2%	
Pratedrat, 2015	0.92	[0.58; 1.47]	1.1%	
Pu, 2014	1.10	[0.82; 1.49]	2.0%	
Ranjbar, 2018	1.15	[0.65; 2.01]	0.9%	
Su, 2016	1.13	[0.87; 1.45]	2.3%	
Sushma, 2015	3.28	[1.64; 6.53]	0.6%	
Tandon, 2017	2.65	[1.74; 4.03]	1.3%	
Tian, 2009	0.95	[0.83; 1.08]	3.3%	
Tu, 2012	1.40	[1.02; 1.92]	1.9%	
Vinci, 2011	1.38	[0.93; 2.05]	1.4%	
Vinci, 2013	1.09	[0.79; 1.51]	1.8%	
Wang, 2014	0.91	[0.78; 1.06]	3.1%	
Wang, 2014	1.32	[0.98; 1.76]	2.0%	
Wei, 2014	0.83	[0.72; 0.95]	3.3%	
Yan, 2015	0.90	[0.72; 1.13]	2.5%	
Yang, 2016	0.90	[0.49; 1.64]	0.8%	
Zhang, 2012	1.25	[0.95; 1.64]	2.2%	

Random effects model 1.04 [0.97; 1.12] 100.0%  
Heterogeneity:  $I^2 = 64\%$ ,  $\tau^2 = 0.0227$ ,  $p < 0.01$

