Web TABLE 1. Determination of Risk of Bias of Studies Included in Meta-analysis 2006-2011

Web TABLE 2. Allele Frequencies for rs9332739, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Web TABLE 3. Allele Frequencies for rs547154, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Web TABLE 4. Allele Frequencies for rs4151667, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Web TABLE 5. Allele Frequencies for rs641153, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Web TABLE 1. Determination of Risk of Bias of Studies Included in Meta-analysis 2006-2011[a]

Author, year (Reference no.)	Bias in ascertainment of cases	Bias in ascertainment of controls	Bias in genotyping controls	Population stratification	Confounding bias	Selective outcome reports	HWE
Maller, 2006 (13)	No	No	No	No	No	No	Yes
Gold, 2006 (32)	No	No	Yes	No	No	Yes	No
Spencer, 2007 (36)	No	No	No	No	No	No	No
Chu, 2008 (56)	No	No	Unclear	No	No	Yes	No
Jakobsdottir, 2008 (33)	No	No	No	No	No	No	No
Scholl, 2008 (26)	No	No	Yes	No	No	No	No
Bergeron-Sawit, 2009 (15)	No	No	No	No	No	No	No
Farwick, 2009 (31)	No	No	No	No	No	Yes	No
Francis, 2009 (19)	No	No	Yes	No	No	No	Yes
Goto, 2009 (20)	No	No	No	No	No	Yes	No
Park, 2009 (22)	No	No	No	No	No	No	No
Pei, 2009 (23)	No	No	Yes	No	No	No	No
Reynolds, 2009 (24)	No	No	No	No	No	No	Yes
Richardson, 2009 (35)	No	No	No	No	No	No	No
Seddon, 2009 (27)	No	No	Yes	No	No	Yes	Yes
McKay, 2009 (34)	No	No	Unclear	No	No	Yes	No
Kaur, 2010 (37)	No	No	No	No	Yes	No	No
Liu, 2010 (55)	No	No	No	No	Yes	No	No
Chen, 2011 (54)	No	No	Yes	No	No	Yes	Yes

Abbreviations: AMD, age-related macular degeneration; HWE, Hardy-Weinberg equilibrium

[a]Each domain rates the risk of bias. Answers of "no" indicate low risk and "yes" indicate high risk of bias; "Unclear" means an assessment was not possible with the information given.

Web TABLE 2. Allele Frequencies for rs9332739, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Author, year (Reference no.)	AMD			Control group				95% CI	
Caucasian	No. C alleles	Allele prevalence	No. of total alleles	No. C alleles	Allele prevalence	No. of total alleles	HWE	OR	LL	UL
Maller, 2006 (13)	64	0.026	2476	101	0.054	1920	0.748	0.48	0.35	0.66
Gold, 2006 (32)	36	0.020	1756	42	0.055	762	1.000	0.35	0.22	0.55
Spencer, 2007 (36)	42	0.03	1396	28	0.05	564	0.532	0.59	0.36	0.97
Jakobsdottir, 2008 (33)	10	0.027	364	11	0.033	332	0.157	0.82	0.35	1.97
Scholl, 2008 (26)	7	0.031	224	5	0.037	134	1.000	0.83	0.26	2.68
Bergeron-Sawit, 2009 (15)	17	0.020	842	22	0.042	520	1.000	0.47	0.25	0.89
Farwick, 2009 (31)	39	0.025	1569	7	0.034	204	1.000	0.70	0.31	1.59
Francis, 2009 (19) [a]	37	0.26	1042	39	0.048	816	1.000	0.92	0.8	1.04
Francis, 2009 (19) [b]	6	0.008	796	20	0.036	552	1.000	0.2	0.08	0.51
Park, 2009 (22)	9	0.037	246	10	0.034	296	1.000	1.09	0.43	2.72
Reynolds, 2009 (24)	8	0.038	208	9	0.079	114	1.000	0.47	0.17	1.24
Richardson, 2009 (35)	23	0.022	1034	11	0.035	314	1.000	0.63	0.3	1.30
Seddon, 2009 (27)	8	0.014	558	94	0.040	2334	0.711	0.40	0.20	0.78
McKay, 2009 (34)	31	0.036	850	45	0.053	856	0.620	0.68	0.43	1.09
Chen, 2011 (54)	80	0.030	2670	50	0.049	1018	1.000	0.85	0.74	0.97
Pooled	417	0.025	16108	494	0.048	10736		0.55	0.46	0.65
Asian										
Kaur, 2010 (37)	339	0.958	354	328	0.937	350	0.505	1.52	0.77	2.97
Liu, 2010 (55)	10	0.021	466	10	0.023	430	0.538	0.92	0.38	2.34
Pooled	349	0.485	820	338	0.480	780		1.26	0.74	2.16

Abbreviations: CI, confidence interval; HWE, Hardy-Weinberg equilibrium; LL, lower limit; OR, odds ratio; UL, upper limit

[a] Age-related Eye Disease Study
[b] Casey Eye Institute Macular Degeneration Center

Web TABLE 3. Allele Frequencies for rs547154, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Author, year (Reference no.)	AMD			Control			HWE	OR	95%CI	
Caucasian	No. T allele	Prevalence	No. of total alleles	No.T allele	Prevalence	No. of total allele		T vs G	LL	UL
Maller, 2006 (13)	134	0.054	2476				0.854			
Gold, 2006 (32)	90	0.05	1788	84	0.111	764	0.798	0.42	0.31	0.58
Spencer, 2007 (36)	70	0.05	1396	63	0.112	564	0.762	0.42	0.29	0.60
Jakobsdottir, 2008(33)	9	0.025	358	31	0.096	322	0.364	0.24	0.11	0.52
Scholl, 2008 (26)	6	0.027	224	10	0.075	134	1.000	0.34	0.12	0.96
Bergeron-Sawit, 2009 (15)	42	0.05	842	39	0.091	430	0.229	0.53	0.34	0.83
Farwick, 2009 (31)	60	0.045	1338	5	0.028	176	1.000	1.61	0.64	4.05
Francis, 2009 (19) [a]	14	0.035	396	139	0.227	612	<0.001	0.13	0.07	0.22
Park, 2009 (22)	33	0.043	772	28	0.088	320	1.000	0.64	0.33	1.24
Richardson, 2009 (35)	58	0.055	1050	47	0.117	400	0.739	0.44	0.29	0.66
Pooled	502	0.046	10244	488	0.090	5058		0.47	0.37	0.60
Asian										
Goto, 2009 (20)	11	0.056	196	36	0.095	380	0.068	0.57	0.28	1.14
Kaur, 2010 (37)	30	0.085	354	96	0.274	350	0.568	0.25	0.16	0.38
Liu, 2010 (55)	32	0.063	476	36	0.082	440	0.642	0.76	0.46	1.25
Pooled	73	0.070	1026	168	0.148	1170		0.48	0.22	1.05

Abbreviations: CI, confidence interval; HWE, Hardy-Weinberg equilibrium; LL, lower limit; OR, odds ratio; UL, upper limit

[a]Not included in pooling because of departure from HWE

Web TABLE 4. Allele Frequencies for rs4151667, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Author, year (Reference no.)	AMD			Non-AMD					95% CI	
Caucasian	No. A allele	prevalence	No. of total allele	No. A allele	prevalence	No. of total allele	HWE	OR (A vs T)	LL	UL
Maller, 2006 (13)	72	0.029	2476	93	0.050	1868	1.000	0.584	0.427	0.799
Gold, 2006 (32)	36	0.02	1806	42	0.055	766	1.000	0.351	0.223	0.552
Jakobsdottir, 2008 (33)	10	0.028	356	12	0.036	334	0.185	0.776	0.331	1.82
Scholl, 2008 (26)	7	0.031	224	5	0.037	134	1.000	0.832	0.259	2.677
Bergeron-Sawit, 2009 (15)	17	0.02	842	22	0.051	430	1.000	0.382	0.201	0.728
Farwick, 2009 (31)	39	0.024	1604	7	0.034	204	1.000	0.701	0.309	1.589
Francis, 2009 (19)	6	0.015	394	11	0.034	322	1.000	0.437	0.16	1.195
Park, 2009 (22)	19	0.025	772	15	0.047	320	1.000	0.513	0.257	1.023
Richardson, 2009 (35)	23	0.022	1040	12	0.036	336	1.000	0.611	0.3	1.241
McKay, G. J., 2009 (34)	29	0.034	850	45	0.053	856	0.620	0.637	0.395	1.025
Pooled	258	0.024	10364	264	0.047	5609		0.535	0.447	0.641
Pei, 2009 (23)	5	0.02	246	8	0.031	260	1.000	0.654	0.211	2.026
Kaur, 2010 (37)	14	0.04	354	22	0.063	350	0.505	0.614	0.309	1.22
Liu, 2010 (55)	8	0.017	476	7	0.016	440	1.000	1.057	0.38	2.94
Pooled	27	0.024	1076	37	0.035	1050	0.060	0.711	0.428	1.184

Abbreviations: AMD, age-related macular degeneration; CI, confidence interval; OR, Odds ratio; LL, lower limit; UL, upper limit

Web TABLE 5. Allele Frequencies for rs641153, Estimated Pooled Prevalence, and Odds Ratio of Minor Alleles, by Ethnicity, of Studies Included in the Meta-Analysis

Author, Year (Reference no.)	AMD			Non-AMD				OR	95% CI	
Caucasian	No. A allele	Prevalence	No. of total allele	No. A allele	Prevalence	No. of total allele	HWE	(A vs G)	LL	UL
Maller, 2006 (13)	111	0.045	2476	191	0.102	1868	0.859	0.438	0.344	0.558
Gold, 2006 (32)	55	0.05	1102	59	0.11	538	1.000	0.426	0.291	0.625
Spencer, 2007 (36)	70	0.05	1396	56	0.099	564	0.744	0.479	0.332	0.691
Scholl, 2008 (26)	6	0.027	224	10	0.075	134	1.000	0.341	0.121	0.962
Farwick, 2009 (31)	26	0.017	1552	26	0.109	238	0.356	0.139	0.079	0.244
Reynolds, 2009 (24)	6	0.029	206	11	0.096	114	1.000	0.281	0.101	0.781
Richardson, 2009 (35)	58	0.055	1058	47	0.118	398	0.740	0.433	0.289	0.648
Seddon, 2009 (27)	23	0.041	558	150	0.064	2334	0.471	0.626	0.4	0.981
McKay, 2009 (34)	39	0.046	850	96	0.112	856	1.000	0.381	0.259	0.56
Chen, 2011 (54)	135	0.051	2672	91	0.089	1018	1.000	0.542	0.411	0.715
Pooled	529	0.041	12094	737	0.096	6194		0.404	0.313	0.521
Asian										
Chu, 2008 (56)	32	0.111	288	40	0.159	252	0.514	0.663	0.402	1.091
Pei, 2009 (23)	18	0.073	246	18	0.069	260	1.000	1.061	0.539	2.091
Kaur, 2010 (37)	22	0.068	324	73	0.231	316	0.502	0.242	0.146	0.402
Liu, 2010 (55)	18	0.038	476	27	0.061	440	0.572	0.601	0.326	1.108
Pooled	72	0.070	1088	140	0.128	1008		0.554	0.299	1.024

Abbreviations: CI, confidence interval; HWE, Hardy-Weinberg equilibrium; LL, lower limit; OR, odds ratio; UL, upper limit

Web FIGURE 1. Forest plots and funnel plots of genotype effects for rs9332739. Individual and pooled odds ratios were estimated for CC vs GG (part A), CG vs GG (part B). Funnel plots for CC vs GG (part C), and CG vs GG (part D). The pooled odds ratio indicated by the diamond. AREDS, age-related Eye Disease Study; CI, confidence interval (horizontal line); OR, odds ratio

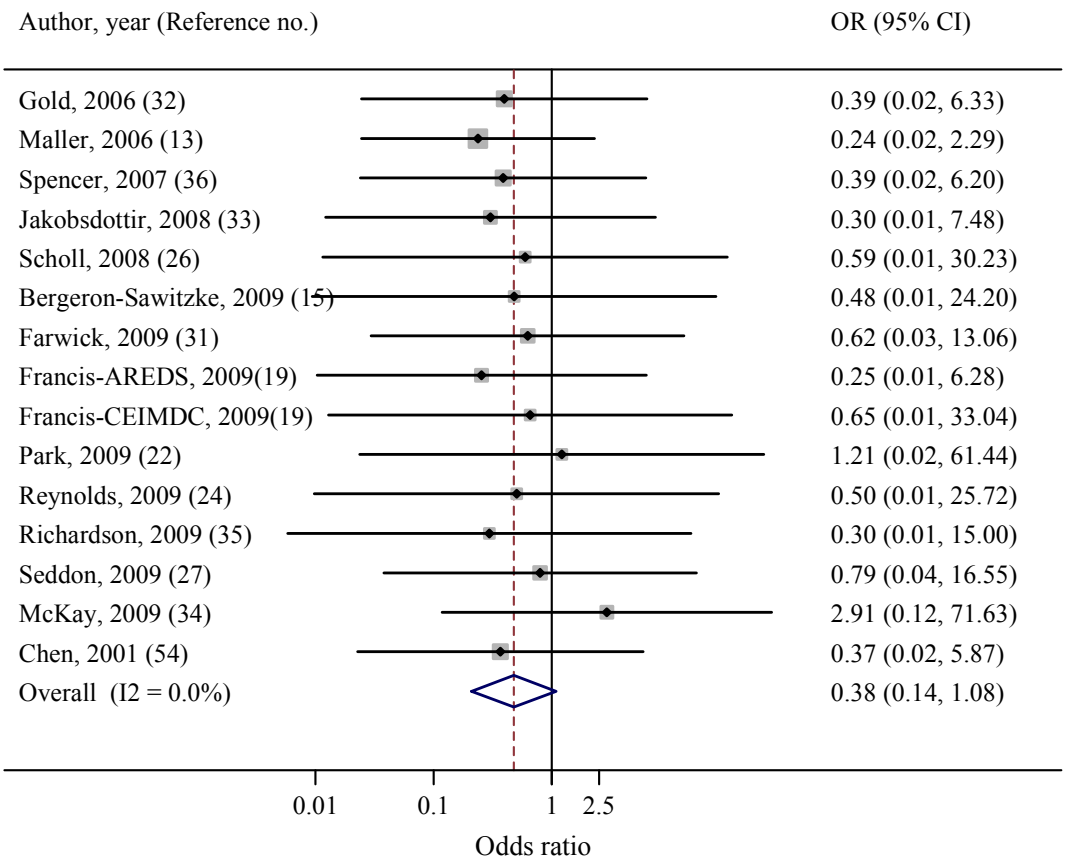
Web FIGURE 2. Forest plots and funnel plots of genotype effects for rs547154. Individual and pooled odds ratio were estimated for TT vs GG (part A), GT vs GG (part B). Funnel plots for TT vs GG (part C), and GT vs GG (part D). The pooled odds ratio indicated by the diamond. CI, confidence interval (horizontal line); OR, odds ratio

Web FIGURE 3. Forest plots and funnel plots of genotype effects for rs4151667. Individual and pooled odds ratio were estimated for AA vs TT (part A), AT vs TT (part B). Funnel plots for AA vs TT (part C), and AT vs TT (part D). The pooled odds ratio indicated by the diamond. CI, confidence interval (horizontal line); OR, odds ratio

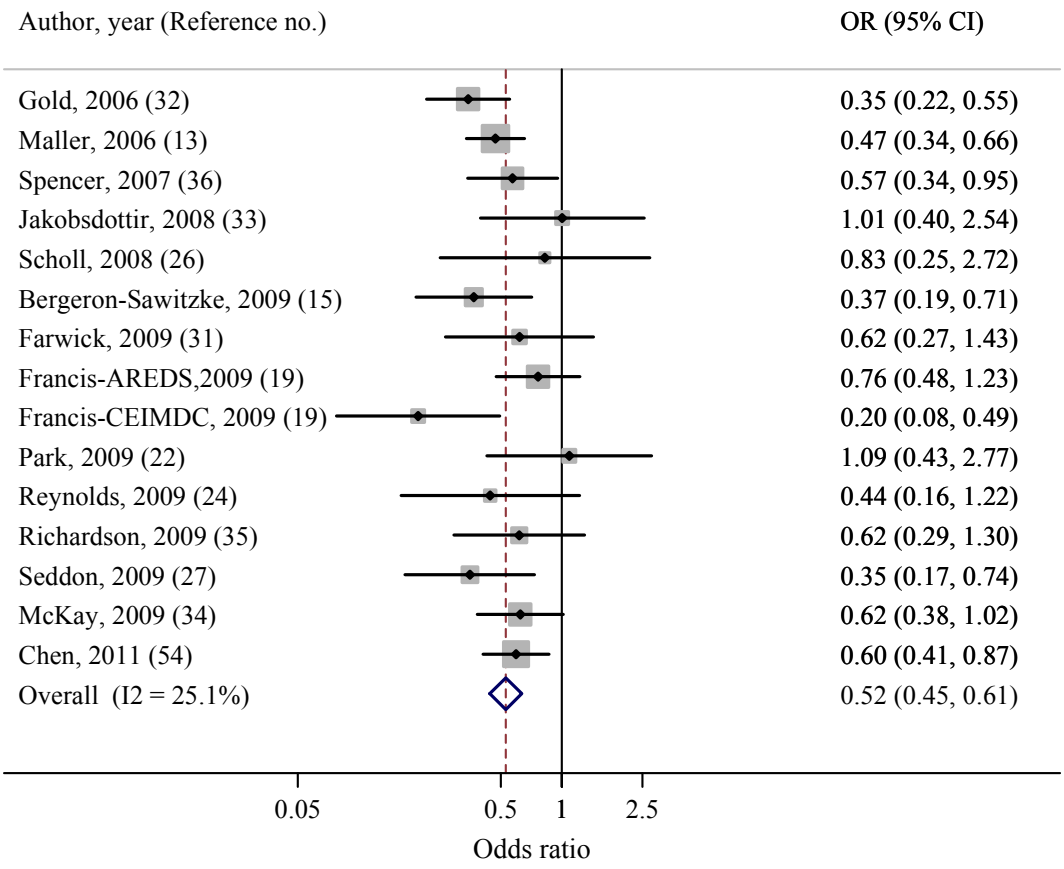
Web FIGURE 4. Forest plots and funnel plots of genotype effects for rs641153. Individual and pooled odds ratio were estimated for AA vs GG (part A), GA vs GG (part B). Funnel plots for AA vs GG (part C), and GA vs GG (part D). The pooled odds ratio indicated by the diamond. CI, confidence interval (horizontal line); OR, odds ratio

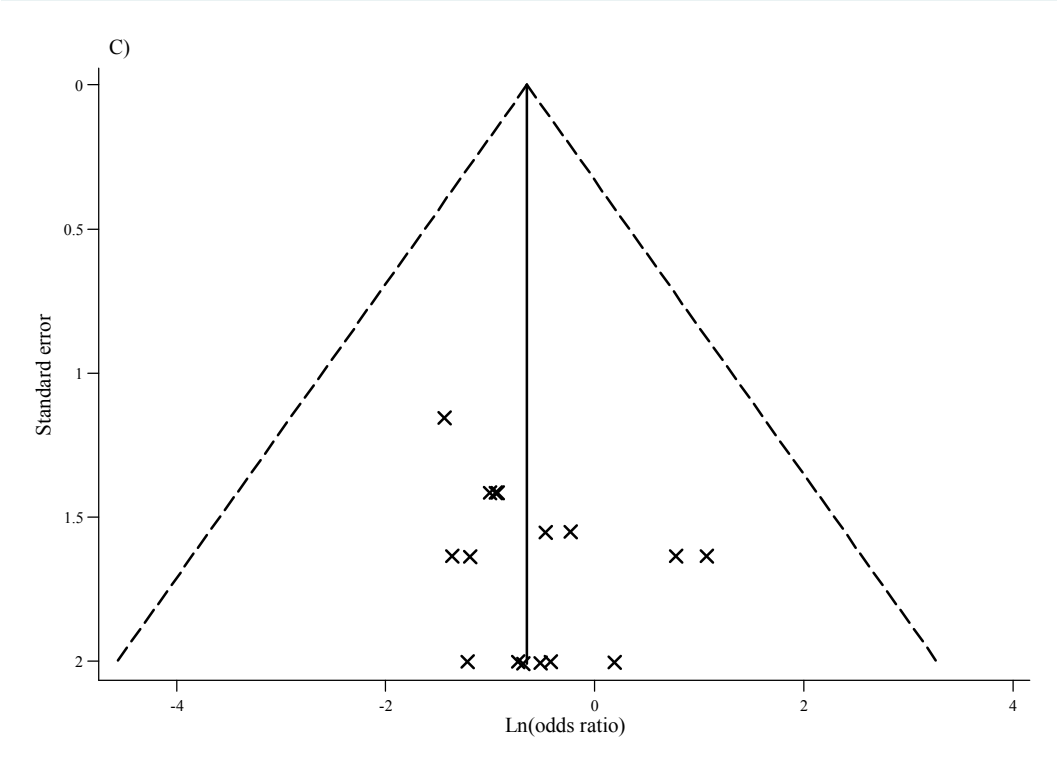
Web FIGURE 1. Forest plots and funnel plots of genotype effects for rs9332739. Individual and pooled odds ratios were estimated for CC vs GG (part A), CG vs GG (part B). Funnel plots for CC vs GG (part C), and CG vs GG (part D). The pooled odds ratio indicated by the diamond. AREDS, age-related Eye Disease Study; CI, confidence interval (horizontal line); OR, odds ratio.

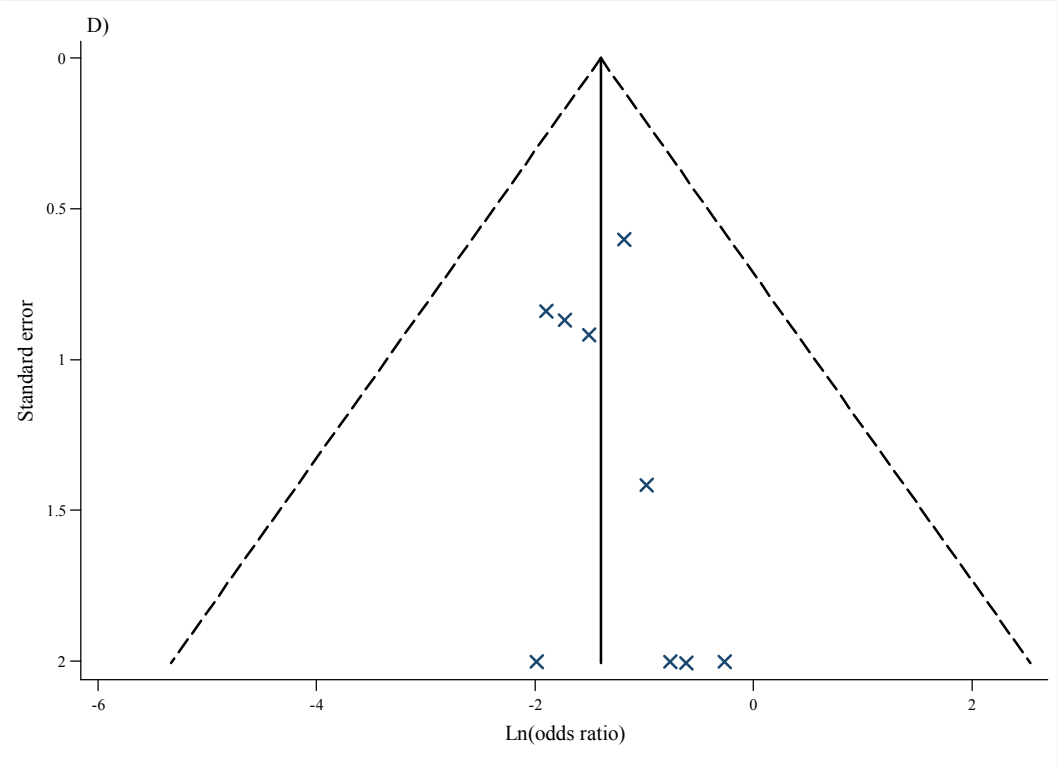
A)



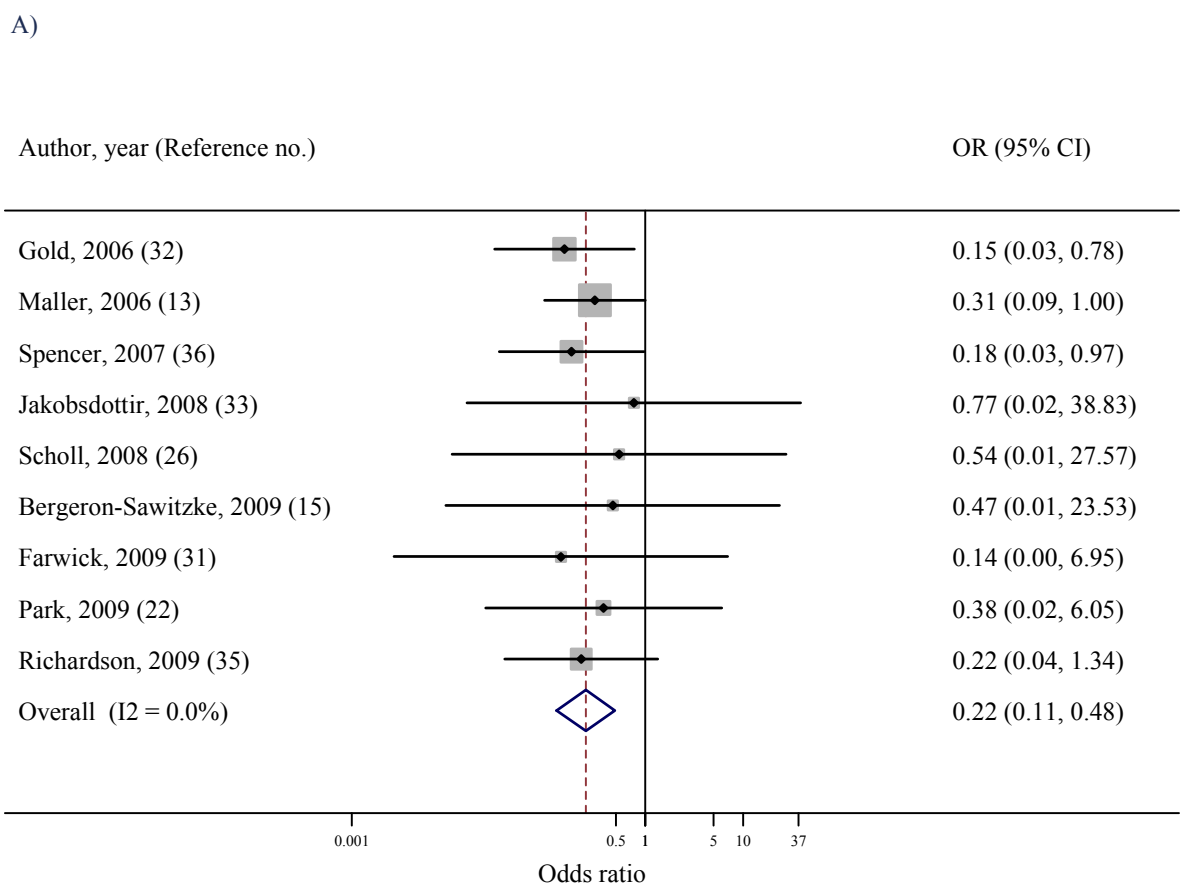
B)


Author, year (Reference no.)
OR (95% CI)
Gold, 2006 (32)
0.35 (0.22, 0.55)
Maller, 2006 (13)
0.47 (0.34, 0.66)
Spencer, 2007 (36)
0.57 (0.34, 0.95)
Jakobsdottir, 2008 (33)
1.01 (0.40, 2.54)
Scholl, 2008 (26)
0.83 (0.25, 2.72)
Bergeron-Sawitzke, 2009 (15)
0.37 (0.19, 0.71)
Farwick, 2009 (31)
0.62 (0.27, 1.43)
Francis-AREDS,2009 (19)
0.76 (0.48, 1.23)
Francis-CEIMDC, 2009 (19)
0.20 (0.08, 0.49)
Park, 2009 (22)
1.09 (0.43, 2.77)
Reynolds, 2009 (24)
0.44 (0.16, 1.22)
Richardson, 2009 (35)
0.62 (0.29, 1.30)
Seddon, 2009 (27)
0.35 (0.17, 0.74)
McKay, 2009 (34)
0.62 (0.38, 1.02)
Chen, 2011 (54)
0.60 (0.41, 0.87)
Overall (I2 = 25.1%)
0.52 (0.45, 0.61)
0.05
0.5
1
2.5
Odds ratio


C)
0
0.5
1
1.5
2
Standard error
-4
-2
0
2
4
Ln(odds ratio)


D)
0
0.5
1
1.5
2
Standard error
-6
-4
-2
0
2
Ln(odds ratio)

Web FIGURE 2. Forest plots and funnel plots of genotype effects for rs547154. Individual and pooled odds ratio were estimated for TT vs GG (part A), GT vs GG (part B). Funnel plots for TT vs GG (part C), and GT vs GG (part D). The pooled odds ratio indicated by the diamond. CI, confidence interval (horizontal line); OR, odds ratio



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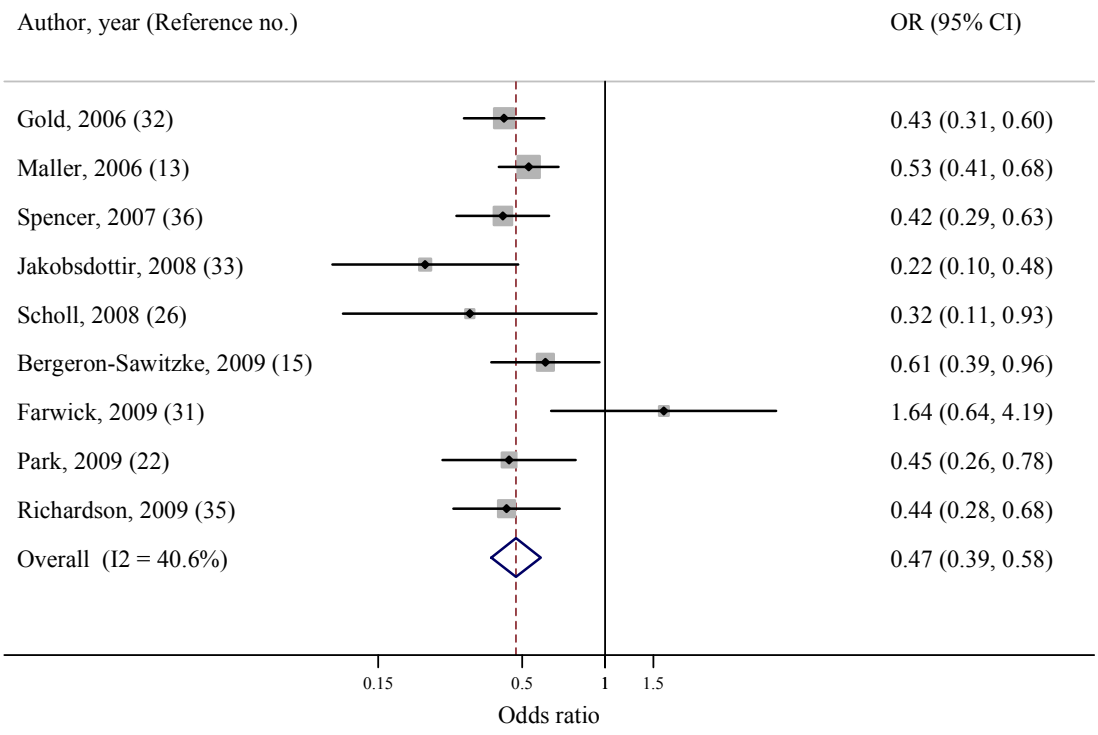
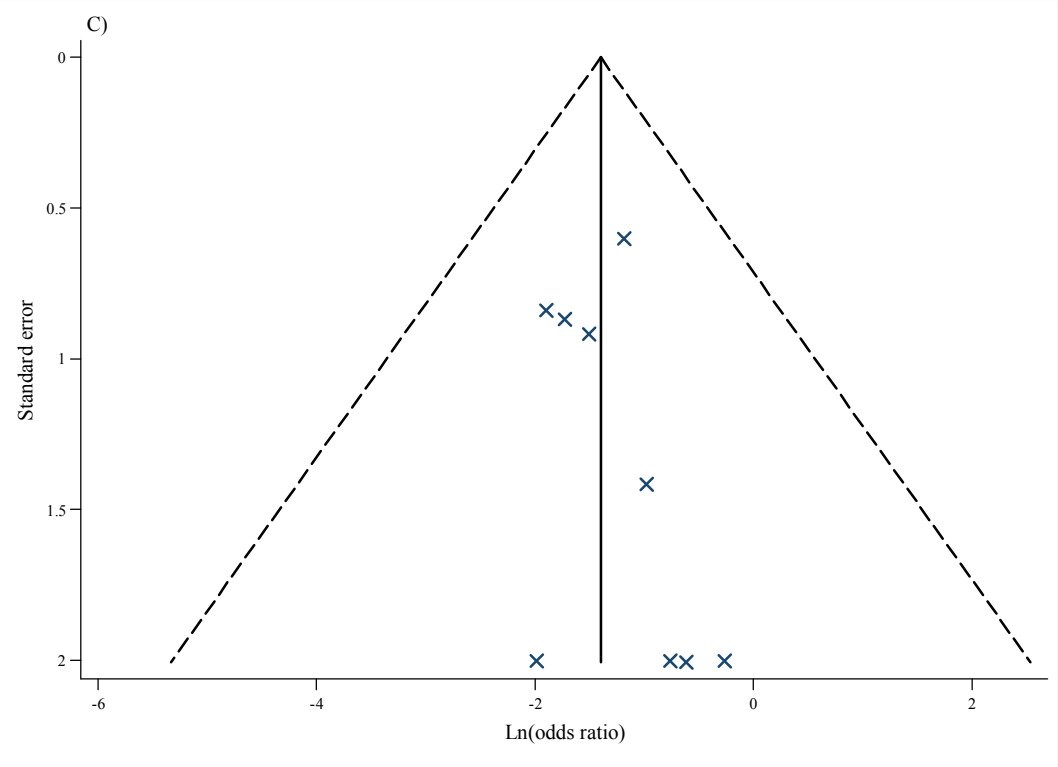
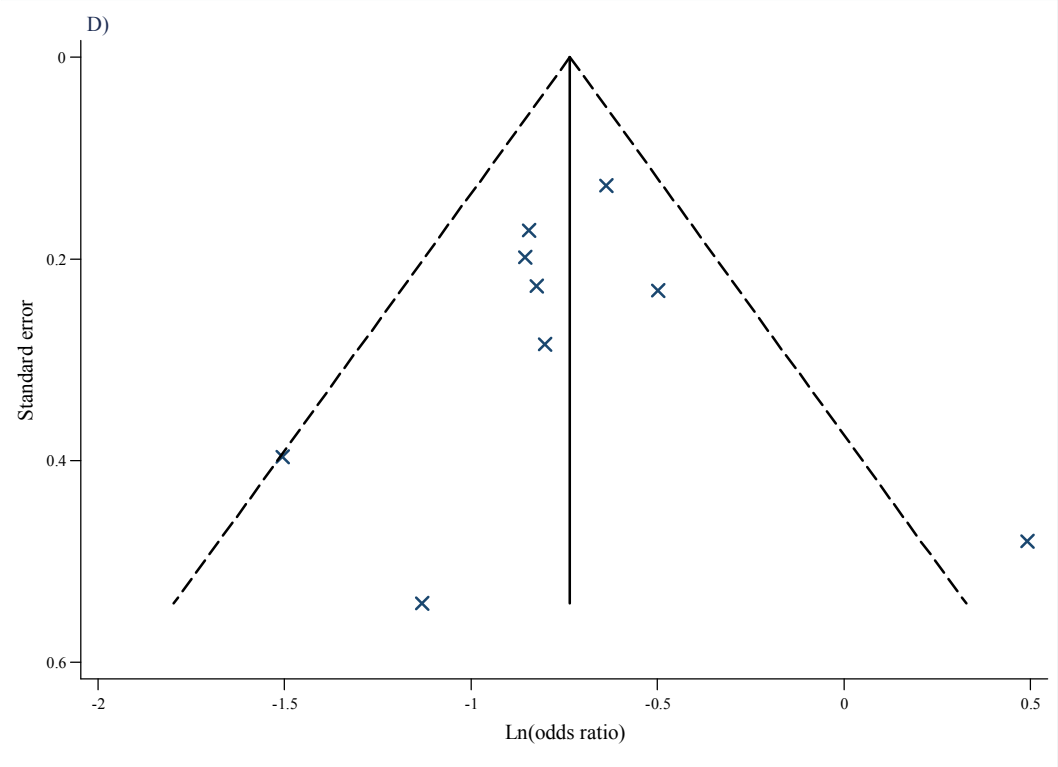
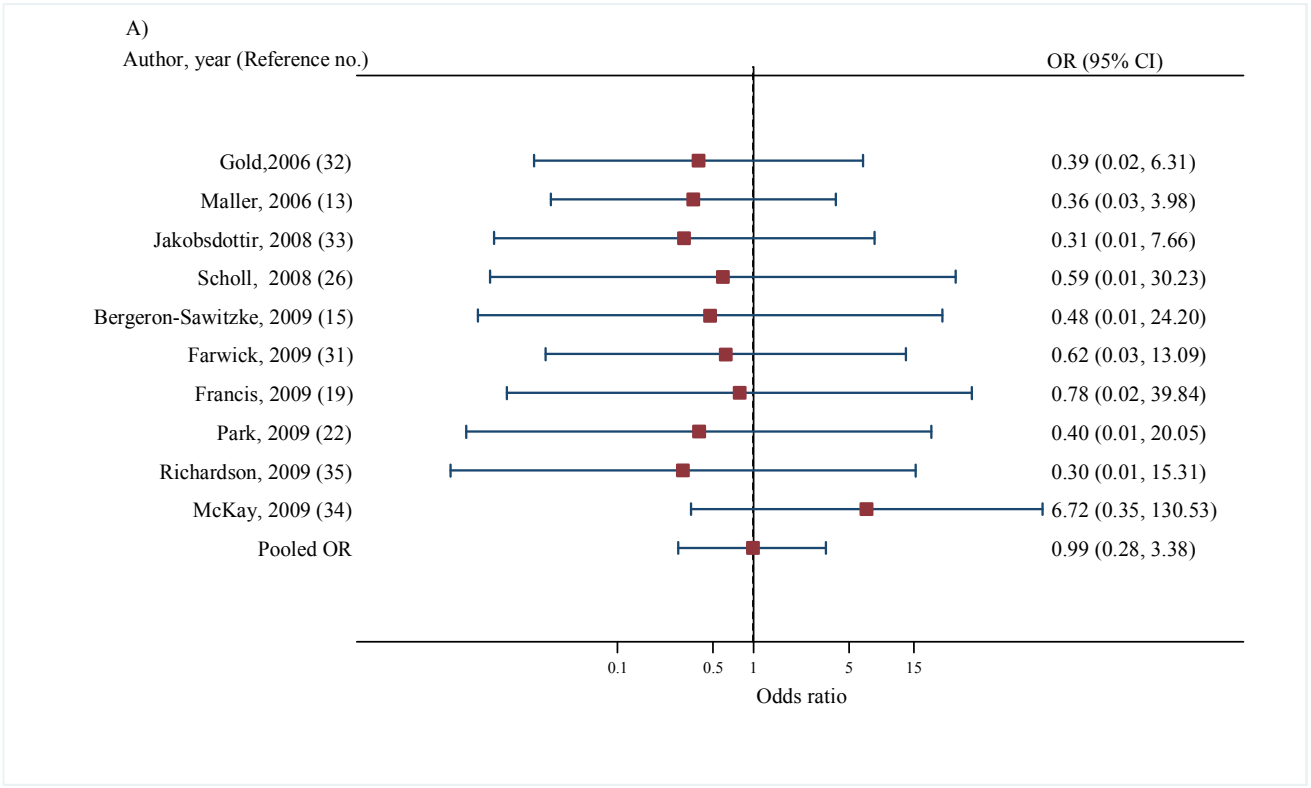
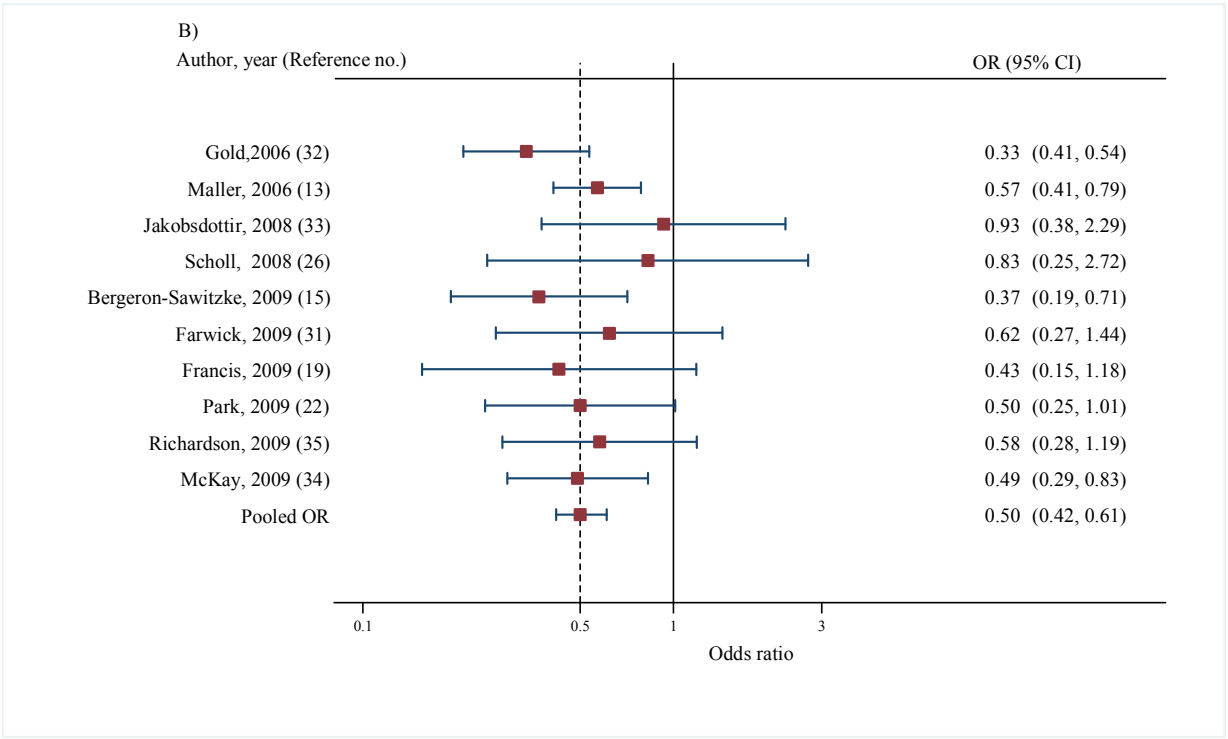

Author, year (Reference no.)
OR (95% CI)
Gold, 2006 (32)
0.43 (0.31, 0.60)
Maller, 2006 (13)
0.53 (0.41, 0.68)
Spencer, 2007 (36)
0.42 (0.29, 0.63)
Jakobsdottir, 2008 (33)
0.22 (0.10, 0.48)
Scholl, 2008 (26)
0.32 (0.11, 0.93)
Bergeron-Sawitzke, 2009 (15)
0.61 (0.39, 0.96)
Farwick, 2009 (31)
1.64 (0.64, 4.19)
Park, 2009 (22)
0.45 (0.26, 0.78)
Richardson, 2009 (35)
0.44 (0.28, 0.68)
Overall (I2 = 40.6%)
0.47 (0.39, 0.58)
0.15
0.5
1
1.5
Odds ratio

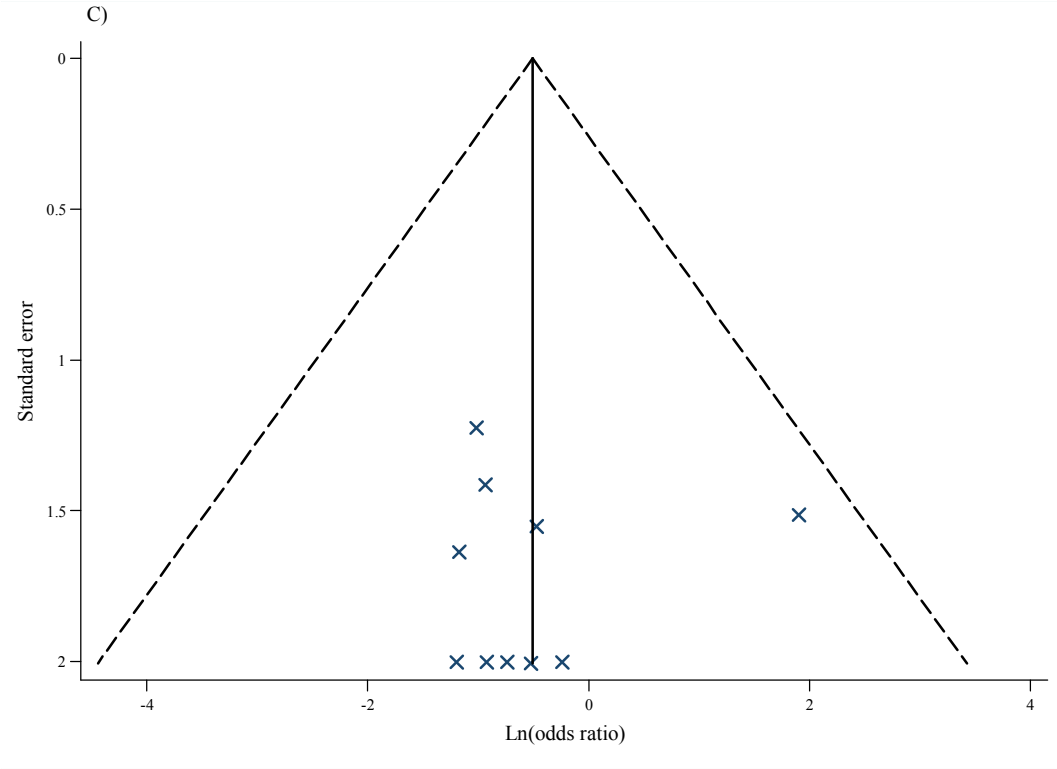

C)
Standard error
0
0.5
1
1.5
2
-6
-4
-2
0
2
Ln(odds ratio)

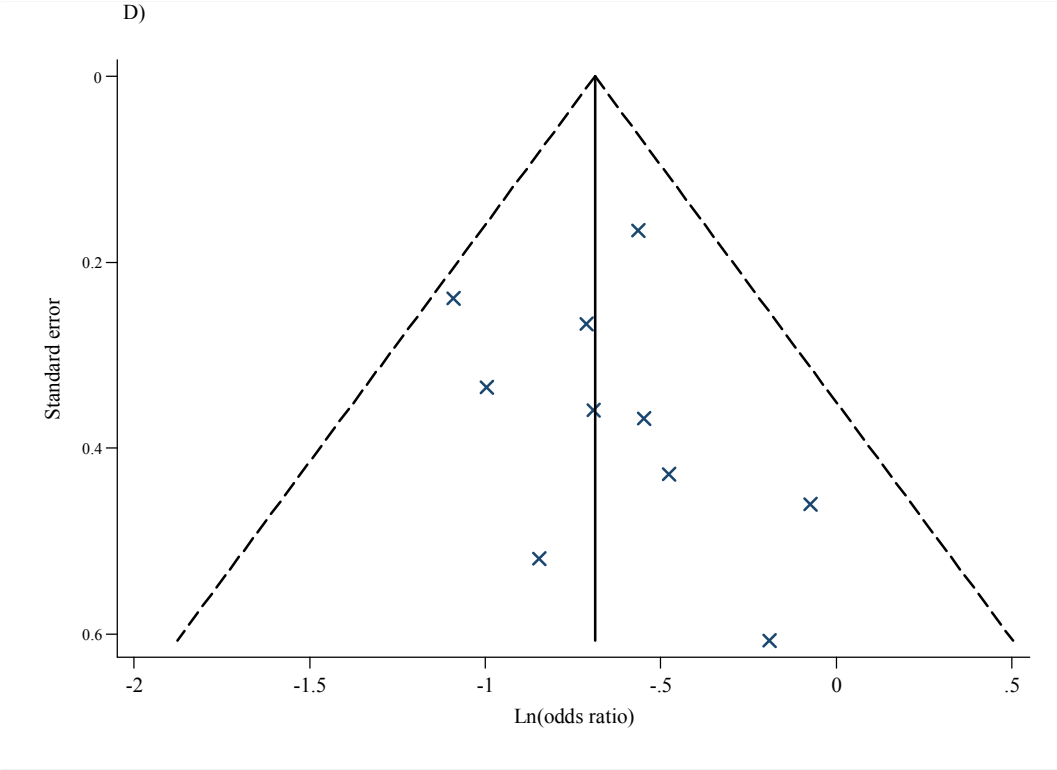

D)
0
0.2
0.4
0.6
Standard error
-2
-1.5
-1
-0.5
0
0.5
Ln(odds ratio)

Web FIGURE 3. Forest plots and funnel plots of genotype effects for rs4151667. Individual and pooled odds ratio were estimated for AA vs TT (part A), AT vs TT (part B). Funnel plots for AA vs TT (part C), and AT vs TT (part D). The pooled odds ratio indicated by the diamond. CI, confidence interval (horizontal line); OR, odds ratio



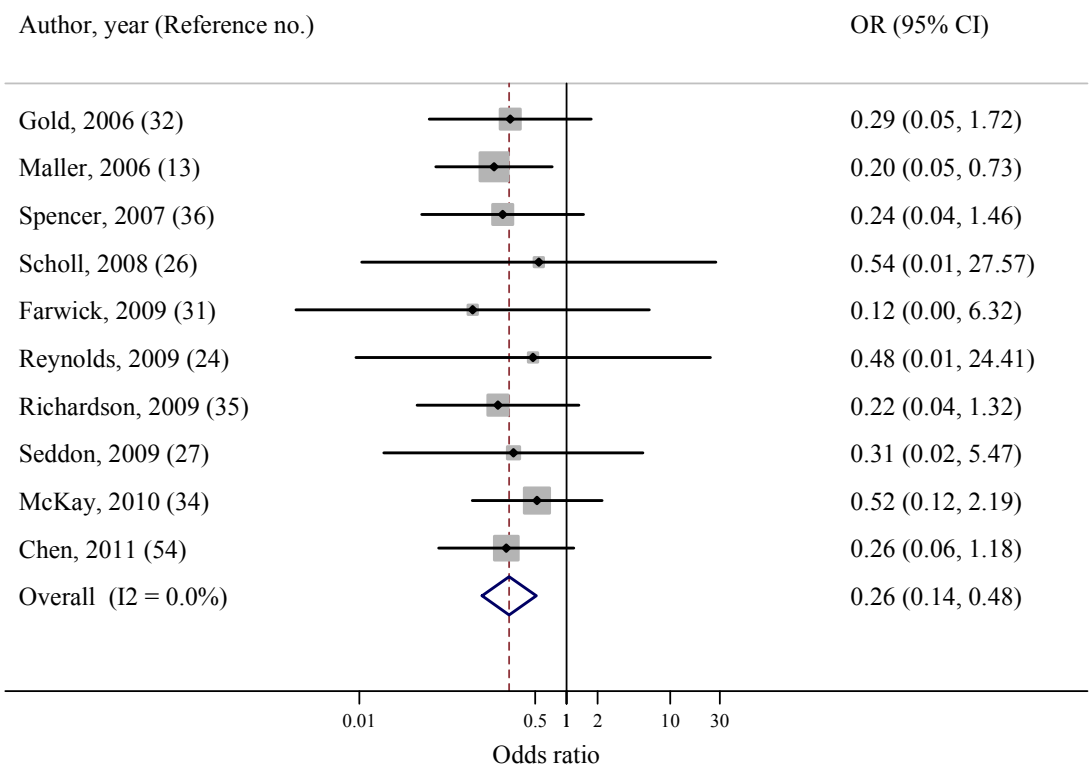

B)
Author, year (Reference no.)
OR (95% CI)
Gold,2006 (32)
0.33 (0.41, 0.54)
Maller, 2006 (13)
0.57 (0.41, 0.79)
Jakobsdottir, 2008 (33)
0.93 (0.38, 2.29)
Scholl, 2008 (26)
0.83 (0.25, 2.72)
Bergeron-Sawitzke, 2009 (15)
0.37 (0.19, 0.71)
Farwick, 2009 (31)
0.62 (0.27, 1.44)
Francis, 2009 (19)
0.43 (0.15, 1.18)
Park, 2009 (22)
0.50 (0.25, 1.01)
Richardson, 2009 (35)
0.58 (0.28, 1.19)
McKay, 2009 (34)
0.49 (0.29, 0.83)
Pooled OR
0.50 (0.42, 0.61)
0.1
0.5
1
3
Odds ratio


C)
0
0.5
1
1.5
2
Standard error
-4
-2
0
2
4
Ln(odds ratio)

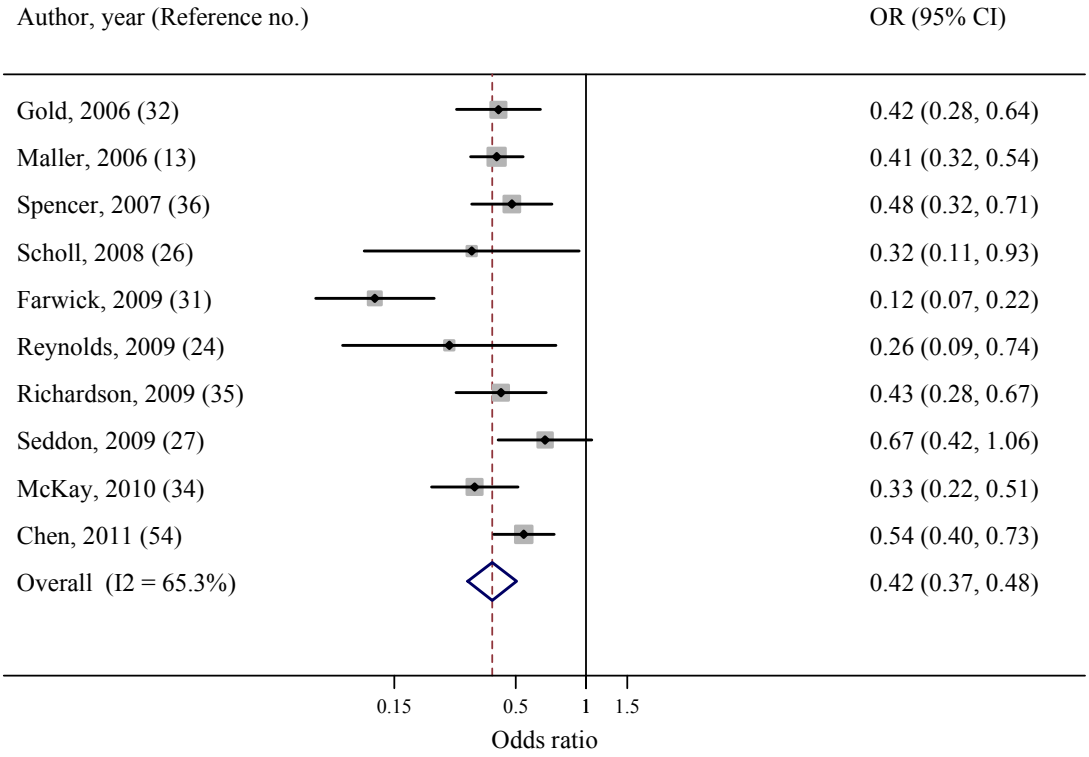

D)
Standard error
0
0.2
0.4
0.6
-2
-1.5
-1
-.5
0
.5
Ln(odds ratio)

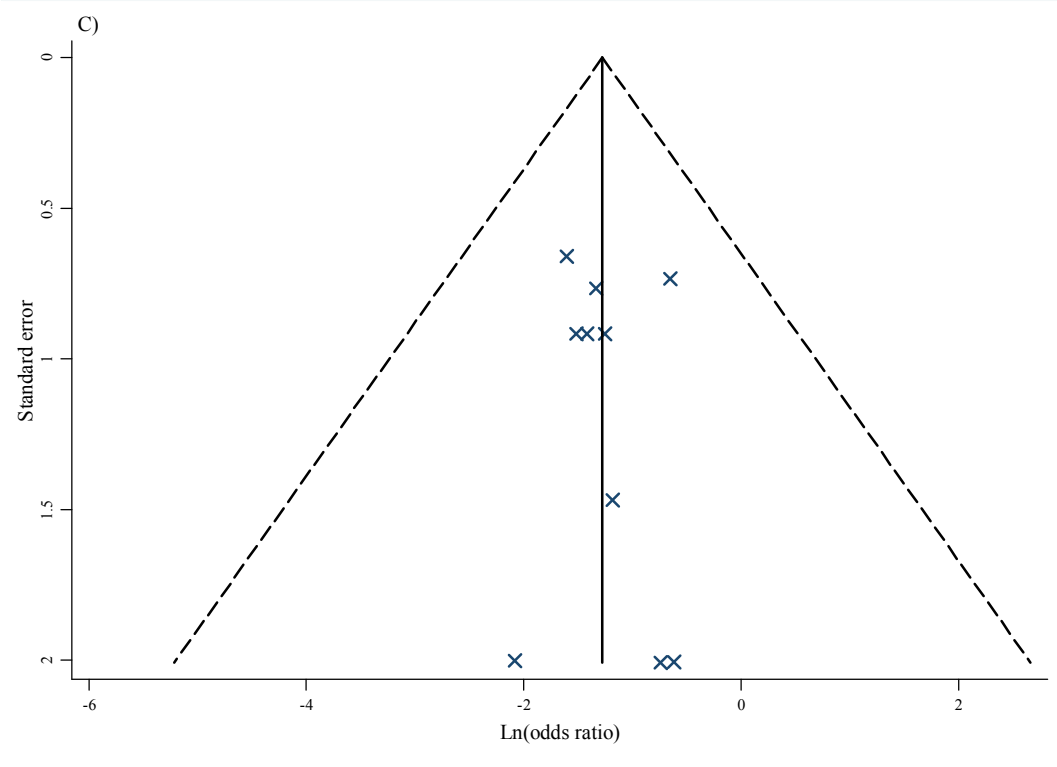
Web FIGURE 4. Forest plots and funnel plots of genotype effects for rs641153. Individual and pooled odds ratio were estimated for AA vs GG (part A), GA vs GG (part B). Funnel plots for AA vs GG (part C), and GA vs GG (part D). The pooled odds ratio indicated by the diamond. CI, confidence interval (horizontal line); OR, odds ratio

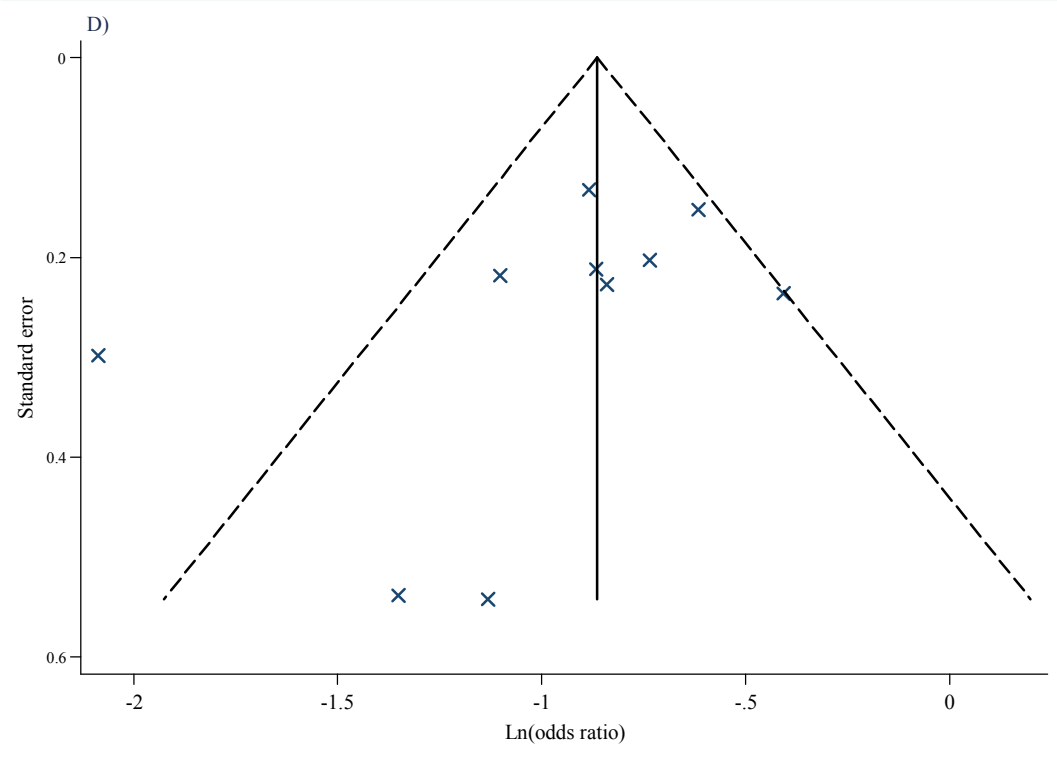
A)



B)


Author, year (Reference no.)
OR (95% CI)
Gold, 2006 (32)
0.42 (0.28, 0.64)
Maller, 2006 (13)
0.41 (0.32, 0.54)
Spencer, 2007 (36)
0.48 (0.32, 0.71)
Scholl, 2008 (26)
0.32 (0.11, 0.93)
Farwick, 2009 (31)
0.12 (0.07, 0.22)
Reynolds, 2009 (24)
0.26 (0.09, 0.74)
Richardson, 2009 (35)
0.43 (0.28, 0.67)
Seddon, 2009 (27)
0.67 (0.42, 1.06)
McKay, 2010 (34)
0.33 (0.22, 0.51)
Chen, 2011 (54)
0.54 (0.40, 0.73)
Overall (I2 = 65.3%)
0.42 (0.37, 0.48)
0.15
0.5
1
1.5
Odds ratio


C)
Standard error
0
0.5
1
1.5
2
-6
-4
-2
0
2
Ln(odds ratio)


D)
0
0.2
0.4
0.6
Standard error
-2
-1.5
-1
-.5
0
Ln(odds ratio)