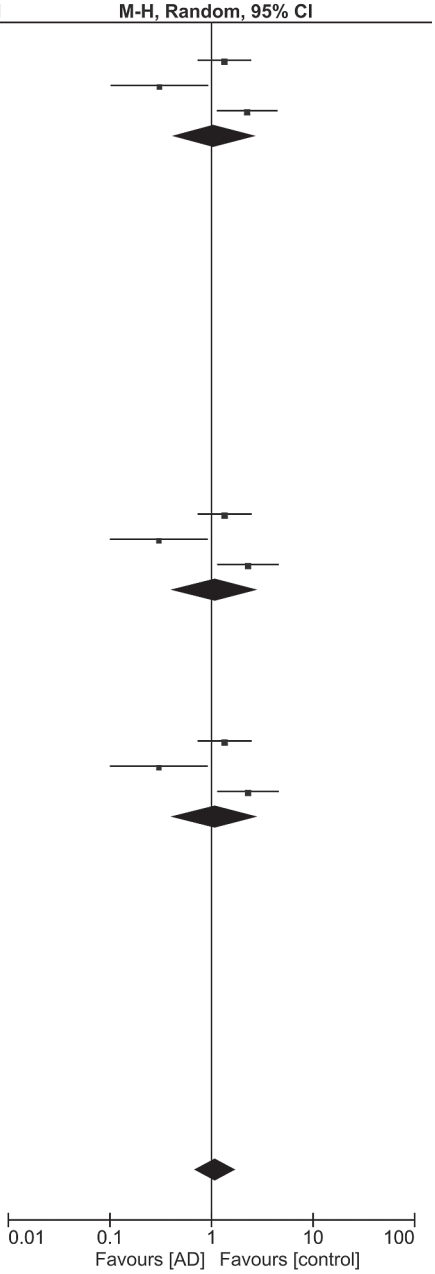
Study or Subgroup	AD Events	AD Total	Control Events	Control Total	Weight	Odds Ratio M-H, Random, 95% CI
1.2.1 C vs. G						
Bi, 2014	23	1276	22	1628	12.8%	1.34 [0.74, 2.42]
Li, 2013	4	780	18	1090	8.6%	0.31 [0.10, 0.91]
Zhao, 2011	15	434	21	1336	12.1%	2.24 [1.15, 4.39]
Subtotal (95% CI)		**2490**		**4054**	**33.4%**	**1.07 [0.41, 2.77]**
Total events	42		61			
Heterogeneity: Tau² = 0.54; Chi² = 9.53, df = 2 (P = 0.009); I² = 79%						
Test for overall effect: Z = 0.14 (P = 0.89)						
1.2.2 CC vs. GG						
Bi, 2014	0	615	0	792		Not estimable
Li, 2013	0	386	0	527		Not estimable
Zhao, 2011	0	202	0	647		Not estimable
Subtotal (95% CI)		**1203**		**1966**		**Not estimable**
Total events	0		0			
Heterogeneity: Not applicable						
Test for overall effect: Not applicable						
1.2.3 CG vs. GG						
Bi, 2014	23	638	22	814	12.7%	1.35 [0.74, 2.44]
Li, 2013	4	390	18	545	8.6%	0.30 [0.10, 0.90]
Zhao, 2011	15	217	21	668	12.0%	2.29 [1.16, 4.52]
Subtotal (95% CI)		**1245**		**2027**	**33.3%**	**1.07 [0.41, 2.83]**
Total events	42		61			
Heterogeneity: Tau² = 0.57; Chi² = 9.70, df = 2 (P = 0.008); I² = 79%						
Test for overall effect: Z = 0.15 (P = 0.88)						
1.2.4 CC + CG vs. GG						
Bi, 2014	23	638	22	814	12.7%	1.35 [0.74, 2.44]
Li, 2013	4	390	18	545	8.6%	0.30 [0.10, 0.90]
Zhao, 2011	15	217	21	668	12.0%	2.29 [1.16, 4.52]
Subtotal (95% CI)		**1245**		**2027**	**33.3%**	**1.07 [0.41, 2.83]**
Total events	42		61			
Heterogeneity: Tau² = 0.57; Chi² = 9.70, df = 2 (P = 0.008); I² = 79%						
Test for overall effect: Z = 0.15 (P = 0.88)						
1.2.5 CC vs. CG + GG						
Bi, 2014	0	638	0	814		Not estimable
Li, 2013	0	390	0	545		Not estimable
Zhao, 2011	0	217	0	668		Not estimable
Subtotal (95% CI)		**1245**		**2027**		**Not estimable**
Total events	0		0			
Heterogeneity: Not applicable						
Test for overall effect: Not applicable						
Total (95% CI)		**7428**		**12101**	**100.0%**	**1.11 [0.69, 1.77]**
Total events	126		183			
Heterogeneity: Tau² = 0.36; Chi² = 28.93, df = 8 (P = 0.0003); I² = 72%						
Test for overall effect: Z = 0.43 (P = 0.67)						
Test for subgroup differences: Chi² = 0.00, df = 2 (P = 1.00), I² = 0%						



Suppl. Fig. 3. Forest plot of the AD risk related to leucine-rich repeat kinase 2 (LRRK2) rs33949390 polymorphism based on five genetic models.