

Table S1. ORs (95% CIs) of sensitivity analysis

Excluding literature one by one	Heterozygote vs. Homozygote wild	Homozygote variant vs. Homozygote wild	Dominant model	Recessive model	Allelic model
	OR (95%CI)	OR (95%CI)	OR (95%CI)	OR (95%CI)	OR (95%CI)
rs10504191 (G/A)					
Overall	0.980(0.897-1.071)	0.820(0.624-1.079)	0.967(0.887-1.053)	0.825(0.628-1.083)	0.958(0.887-1.035)
Christina					
Justenhoven	0.983(0.892-1.084)	0.807(0.596-1.093)	0.968(0.881-1.065)	0.811(0.600-1.096)	0.958(0.880-1.043)
Sascha Abbas	0.921(0.785-1.082)	0.790(0.458-1.287)	0.910(0.779-1.064)	0.806(0.496-1.311)	0.911(0.792-1.047)
Anja Rudolph	0.998(0.909-1.097)	0.844(0.629-1.133)	0.986(0.900-1.080)	0.845(0.630-1.132)	0.975(0.899-1.058)
rs3814058 (C/T)					
Overall	1.280(1.134-1.445)	1.663(1.268-2.182)	1.382(1.233-1.549)	1.422(1.132-1.786)	1.292(1.140-1.465)
Lisha Zhang	1.339(1.147-1.563)	1.829(1.339-2.498)	1.478(1.277-1.710)	1.522(1.135-2.040)	1.351(1.170-1.561)
Lisha Zhang	1.283(1.122-1.467)	1.766(1.221-2.554)	1.397(1.231-1.584)	1.508(1.117-2.035)	1.330(1.124-1.575)
Edwin Sandanaraj	1.274(1.126-1.441)	1.627(1.196-2.215)	1.373(1.223-1.542)	1.401(1.080-1.818)	1.276(1.109-1.468)
Haizhen Ni	1.231(1.053-1.439)	1.419(1.174-1.715)	1.287(1.112-1.489)	1.248(1.061-1.470)	1.201(1.092-1.321)
rs6785049 (A/G)					
Overall	0.952(0.878-1.032)	0.925(0.825-1.039)	0.946(0.876-1.021)	0.950(0.854-1.057)	0.959(0.908-1.013)
Christina					
Justenhoven	0.965(0.882-1.055)	0.935(0.824-1.061)	0.957(0.880-1.042)	0.954(0.848-1.072)	0.966(0.909-1.026)
Sascha Abbas	0.921(0.796-1.065)	0.951(0.769-1.176)	0.928(0.808-1.065)	0.994(0.816-1.210)	0.961(0.871-1.060)
Anja Rudolph	0.952(0.873-1.038)	0.908(0.803-1.027)	0.941(0.867-1.021)	0.932(0.832-1.045)	0.952(0.898-1.009)
rs1464603 (A/G)					
Overall	0.943(0.818-1.087)	1.015(0.799-1.288)	0.956(0.835-1.094)	1.046(0.833-1.314)	0.983(0.888-1.089)

Christina					
Justenhoven	0.926(0.740-1.161)	1.184(0.822-1.707)	0.971(0.784-1.203)	1.230(0.869-1.742)	1.028(0.876-1.207)
Anja Rudolph	0.954(0.795-1.145)	0.904(0.659-1.240)	0.945(0.794-1.125)	0.925(0.683-1.252)	0.954(0.835-1.089)
rs1523127 (A/C)					
Overall	0.975(0.846-1.125)	0.983(0.800-1.209)	0.976(0.853-1.118)	1.001(0.827-1.211)	0.988(0.898-1.088)
Christina					
Justenhoven	0.942(0.759-1.169)	0.813(0.587-1.127)	0.912(0.743-1.121)	0.851(0.630-1.150)	0.917(0.791-1.063)
Edwin Sandanaraj	0.970(0.838-1.124)	1.007(0.816-1.241)	0.979(0.851-1.125)	1.024(0.844-1.242)	0.995(0.902-1.098)
Anja Rudolph	1.008(0.842-1.206)	1.072(0.825-1.393)	1.020(0.860-1.209)	1.074(0.844-1.368)	1.029(0.911-1.162)
rs2276706 (G/A)					
Overall	0.987(0.857-1.137)	1.015(0.823-1.253)	0.993(0.868-1.135)	1.026(0.844-1.246)	1.002(0.910-1.104)
Christina					
Justenhoven	0.941(0.760-1.166)	0.797(0.572-1.110)	0.910(0.742-1.116)	0.832(0.612-1.131)	0.912(0.786-1.057)
Edwin Sandanaraj	0.984(0.850-1.138)	1.034(0.835-1.279)	0.995(0.866-1.143)	1.043(0.856-1.270)	1.008(0.914-1.112)
Anja Rudolph	1.026(0.858-1.227)	1.157(0.885-1.511)	1.051(0.887-1.246)	1.146(0.894-1.468)	1.061(0.939-1.199)
rs2276707 (C/T)					
Overall	1.073(0.924-1.248)	0.974(0.655-1.449)	1.064(0.920-1.230)	0.954(0.643-1.415)	1.042(0.919-1.182)
Christina					
Justenhoven	1.072(0.841-1.367)	1.161(0.637-2.116)	1.082(0.857-1.366)	1.137(0.627-2.064)	1.076(0.880-1.316)
Anja Rudolph	1.074(0.887-1.301)	0.849(0.499-1.444)	1.052(0.874-1.267)	0.830(0.489-1.409)	1.021(0.869-1.200)
rs3732360 (C/T)					
Overall	1.043(0.913-1.190)	1.123(0.936-1.349)	1.062(0.937-1.205)	1.100(0.933-1.298)	1.056(0.969-1.151)
Lisha Zhang	1.111(0.925-1.335)	1.191(0.914-1.551)	1.128(0.947-1.344)	1.121(0.880-1.428)	1.092(0.966-1.233)
Haizhen Ni	0.973(0.803-1.178)	1.065(0.826-1.372)	0.996(0.830-1.194)	1.083(0.864-1.356)	1.022(0.904-1.154)

rs3814055 (C/T)

Overall	1.022(0.898-1.163)	1.098(0.870-1.387)	1.034(0.914-1.171)	1.105(0.888-1.375)	1.040(0.945-1.145)
Lisha Zhang	0.990(0.827-1.184)	1.114(0.853-1.453)	1.015(0.856-1.204)	1.125(0.880-1.439)	1.037(0.918-1.172)
Edwin Sandanaraj	1.020(0.893-1.164)	1.110(0.875-1.408)	1.035(0.911-1.175)	1.117(0.894-1.396)	1.043(0.945-1.150)
Christina					
Justenhoven	1.058(0.886-1.263)	1.014(0.647-1.590)	1.054(0.887-1.251)	0.995(0.637-1.554)	1.038(0.897-1.203)

rs3814057 (A/C)

Overall	1.170(1.010-1.355)	1.145(0.802-1.634)	1.162(1.009-1.339)	1.082(0.766-1.527)	1.127(0.999-1.271)
Christina					
Justenhoven	1.215(0.970-1.522)	1.395(0.870-2.236)	1.230(0.991-1.525)	1.280(0.818-2.002)	1.199(1.003-1.434)
Edwin Sandanaraj	1.155(0.993-1.343)	0.990(0.663-1.478)	1.138(0.984-1.317)	0.948(0.637-1.412)	1.097(0.966-1.245)
Anja Rudolph	1.163(0.966-1.399)	1.150(0.737-1.793)	1.154(0.965-1.379)	1.082(0.707-1.657)	1.120(0.962-1.302)

Note: OR, odds ratio; CI, confidence interval.

