

**Supplementary Table 2.** Results of 10 SNP Associations with IA under the Additive Genetic Model after Adjustment of Age, Sex, Smoking, and Three Disease Status Shown in Supplementary Table 1

Gene Chr.	SNP	Position	Function		M/m*	80 patients with IA and 80 controls				41 IA rupture and 39 non-rupture		
			Class	Effect		MAF <sup>†</sup>	HWE $p^{\ddagger}$	OR <sup>§</sup>	$p$ value <sup>§</sup>	MAF <sup>†</sup>	OR <sup>§</sup>	$p$ value <sup>§</sup>
LOX 5q23.2	rs10040971	122063842	Intron	None	T/C	0.04/0.03	1.00	1.38 (0.41–4.67)	0.600	0.06/0.03	2.19 (0.33–14.32)	0.414
	rs17148773	122067364	Intron	None	C/T	0.00/0.03	1.00	NA	NA	0.00/0.00	NA	1.000
	rs3792801	122067715	Intron	None	C/T	0.04/0.10	1.00	0.36 (0.13–0.95)	0.040	0.06/0.03	2.19 (0.33–14.32)	0.414
	rs2303656	122070281	Intron	None	C/A	0.00/0.07	1.00	NA	NA	0.00/0.00	NA	NA
	rs10519694	122071524	Intron	None	C/T	0.06/0.03	1.00	3.01 (0.88–10.33)	0.079	0.05/0.08	0.62 (0.14–2.72)	0.524
	rs2956540	122073485	Intron	None	C/G	0.24/0.19	0.73	1.58 (0.85–2.93)	0.146	0.24/0.24	1.00	1.000
	rs1800449	122077513	R158Q	Benign	G/A	0.15/0.18	1.00	0.81 (0.43–1.54)	0.524	0.16/0.14	0.86 (0.33–2.21)	0.753
	rs3853401	122081992	5–4 kb	None	C/T	0.06/0.07	1.00	0.83 (0.31–2.21)	0.713	0.04/0.08	0.44 (0.06–2.25)	0.324
	rs3900446	122090980	5–13 kb	None	T/C	0.11/0.01	1.00	5.48 (1.20–25.07)	0.028	0.07/0.15	0.66 (0.29–1.50)	0.324
	rs763497	122091535	5–13 kb	None	A/G	0.24/0.13	1.00	2.01 (1.14–1.55)	0.016	0.22/0.27	0.77 (0.38–1.56)	0.465

IA, intracranial aneurysm; Chr., chromosome; CI, confidence interval; IA, intracranial aneurysm; NA, not available; OR, odds ratio; MAF, minor allele frequency; HWE, Hardy-Weinberg equilibrium.

\*Major/minor allele type, <sup>†</sup>MAF in case (left) and control (right) groups, <sup>‡</sup>HWE  $p$ -value in control group.