

**S6 Table.** Correlation between neutropenia (ANC < 500/ $\mu$ L) and the *APEXI* rs2307486 genotype within East Asian populations

Control group	Neutropenia	Allelic frequency					Genotype (Dominant model)						CATT p-value
		A	G	$\chi^2$ p-value	Fisher p-value	OR (95% CI)	AA	AG	GG	$\chi^2$ p-value	Fisher p-value	OR (95% CI)	
EAS (n=504)	Yes	219	21	0.02	0.02	1.96	100	19	1	0.03	0.02	1.99	0.01
	No	961	47			(1.09-3.42)	458	45	1			(1.07-3.61)	
EAS_CD X (n=93)	Yes	219	21	0.01	0	4.35	100	19	1	0.01	0	4.42	0.01
	No	182	4			(1.43-17.74)	89	4	0			(1.41-18.47)	
EAS_CHB (n=103)	Yes	219	21	0.56	0.48	1.31	100	19	1	0.65	0.58	1.27	0.49
	No	192	14			(0.62-2.88)	89	14	0			(0.57-2.89)	
EAS_CHS (n=105)	Yes	219	21	0.14	0.14	1.92	100	19	1	0.17	0.17	1.90	0.13
	No	200	10			(0.84-4.67)	95	10	0			(0.80-4.78)	
EAS_JPT (n=104)	Yes	219	21	0.22	0.2	1.72	100	19	1	0.18	0.17	1.88	0.17
	No	197	11			(0.77-4.05)	94	9	1			(0.79-4.73)	
EAS_KHV (n=99)	Yes	219	21	0.08	0.05	2.27	100	19	1	0.09	0.07	2.27	0.07
	No	190	8			(0.94-6.08)	91	8	0			(0.90-6.26)	

ANC, absolute neutrophil count; OR, odds ratio; CI, confidence interval; CATT, Cochran-Armitage trend test; EAS, data from East Asian individuals from the 1000 genome database; CDX, data of Chinese Dai in Xishuangbanna, China from the 1000 genome database; CHB, data of Han Chinese in Beijing, China from the 100 genome database; CHS, data of Southern Han Chinese from the 1000 genome database; JPT, data of Japanese in Tokyo, Japan from the 1000 genome database; KHV, data of Kinh in Ho Chi Minh City, Vietnam from the 1000 genome database.