Supplementary Table 1. The patterns of linkage disequilibrium for the 3 *KISS1R* gene variants in CPP girls, healthy girls, and total participants

r^2	CPP girls		Healthy girls		Total participants	
	rs350132	rs3746146	rs350132	rs3746146	rs350132	rs3746146
rs184749	0.027	0.015	0.001	0.006	0.007	0.005
rs350132	-	0.004	-	0.117	-	0.053

CPP, central precocious puberty.

Supplementary Table 2. Main features of included studies in the meta-analysis

Study	Country	Region	Genotyping assay	Case, Control (n)			Correlation with CPP (yes/no)*
rs184749				Total	G/A	GG/GA/AA	
Luan et al. [8], 2007	China	Shanghai & Heilongjiang	PCR-LDR	272, 288	106/438, 122/454	6/94/172, 9/104/175	No
This study, 2024	China	Hubei	Sanger sequencing	384, 422	211/557, 181/663	30/151/203, 19/143/260	Yes
rs350132				Total	A/T	AA/AT/TT	
Ko et al. [9], 2011	Korea	Suwon	Sanger sequencing	100, 52	140/60, 72/32	53/34/13, 26/20/6	No
Oh et al. [10], 2017	Korea	Seoul	Sanger sequencing	194, 99	269/119, 154/44	91/87/16, 60/34/5	Yes
This study, 2024	China	Hubei	Sanger sequencing	384, 422	630/138, 645/199	258/114/12, 246/153/23	Yes
rs3746146				Total	C/G	CC/CG/GG	
Luan et al. [8], 2007	China	Shanghai & Heilongjiang	PCR-LDR	272, 288	503/41, 528/48	232/39/1, 242/44/2	No
This study, 2024	China	Hubei	Sanger sequencing	384, 422	722/46, 789/55	339/44/1, 369/51/2	No

PCR-LDR, polymerase chain reaction-ligase detection reaction; CPP, central precocious puberty.
*Yes, significant association with CPP; No, no significant association with CPP.