

Table 2. Association analysis between the rs2414095 SNP and other circulating sex hormone levels in two Japanese male cohorts

SNP (effect allele)	Trait	Cohort 1 (N=901)		Cohort 2 (N=786)		Combined		Heterogeneity	
		β_{STD} (SE)	<i>P</i>	β_{STD} (SE)	<i>P</i>	β_{STD} (SE) [model] ^a	<i>P</i> _{meta}	<i>P</i> _{hetero}	<i>I</i> ² (%)
rs2414095 (A)	Testosterone	-0.019 (0.052)	0.71	-0.035 (0.052)	0.50	-0.027 (0.037) [F]	0.46	0.83	0.0
	SHBG	-0.090 (0.050)	0.072	0.011 (0.051)	0.82	-0.040 (0.051) [R]	0.43	0.15	50.6
	LH	-0.017 (0.052)	0.74	0.0035 (0.056)	0.95	-0.0076 (0.038) [F]	0.84	0.79	0.0
	Inhibin-B	0.11 (0.052)	0.030	0.036 (0.054)	0.51	0.076 (0.038) [F]	0.042	0.31	3.3
	cFT	-0.032 (0.052)	0.54	0.050 (0.054)	0.35	0.0081 (0.037) [F]	0.83	0.28	15.9

Data are shown as the estimated standardized linear regression statistic β_{STD} , standard error (SE), and *P* value with adjustments for age and BMI. Testosterone, SHBG, LH, inhibin-B and cFT were processed using natural log-transformed variables.

^aThe β -coefficient and its standard error (SE) were summarized using an inverse variance-weighted meta-analysis under fixed-effects model [F] or the DerSimonian and Laird method under random-effects model [R].

Bold numbers indicate *P* value < 0.05.

Abbreviations: SHBG, sex hormone binding globulin; LH, luteinizing hormone; cFT, calculated free testosterone; β_{STD} , standardized regression coefficient; *P*_{hetero}, *P* value for heterogeneity.