Table S1. Overview of identification and replication of number of SNPs associated with hormone levels in UK biobank.

		Discovery analysis				Replication analysis			
Trait	Sex	N	N SNPs p<5x10 ⁻⁸	N lead SNPs*	N loci	N	N_SNPs p<0.05	N SNPs replicated†	Variance explained°
Testosterone	Male	140,216	15,436	154	59	69,933	137	92	8.1%
	Female	139,591	6,028	83	47	69,916	81	63	3.6%
SHBG	Male	129,700	24,586	303	81	64,804	291	213	20.5%
	Female	150,365	16,024	234	76	75,325	221	153	13.0%

^{*}FUMA: R² = 0.05, distance=10,000bp, UKB European ref panel

[†] Replication based on same direction of effect and one-sided p-value < Bonferroni corrected p-value (0.05/N discovery lead SNPs)

 $^{^{\}circ}$ Variance explained calculated as: $[2\times EAF\times(1-EAF)\times GX^2]/varX$ (where varX is the variance of X)