

Table S2: MVMR G-X and G-Y estimates. These are the independent replicated SNPs from our GWA used as genetic instruments in the MVMR analysis. F in bold = F statistic for SNP associated with trait in column (calculated as F = b^2 / se^2) - all are >10. SHBG = Sex Hormone Binding Globulin; TT = Total Testosterone. In column Gene, a "\*" means intergenic variant

Table with columns: SNP, CHRBP, ea, ca, caaf, Gene, Trait, b, SE, P, F, TT - Males, TT - Females, GX (SNP-Hormone), SHBG - Males, SHBG - Females. The table contains 100 rows of SNP data with associated statistics for various traits and hormone levels.

Table with columns for ID, Age, Sex, Ethnicity, Smoking Status, Family History, and 27 genetic variants. The table lists numerous individuals and their corresponding data points for each variant.









Table with 20 columns (ID, Age, Sex, % of sample, Diagnosis, Sex, and 18 correlation coefficients) showing genetic association results across various loci such as 11q23, 12q13, 12q24, etc.





SNP	CHRBP	ea	oe	oa	Gene	Trait	G-Y decline - Male											
							FVC			FEV1/FVC			FEV1					
							b	SE	P	b	SE	P	b	SE	P			
r15497406	1	16505320	A	G	43% -	SHBG male	0.000	0.001	6.80E-01	0.000	0.000	6.80E-01	0.000	0.001	6.80E-01	0.000	0.001	6.80E-01
r35138948	1	25789422	A	G	54% MACD1	SHBG male	-0.003	0.001	6.80E-01	0.000	0.000	6.80E-01	0.001	0.001	7.10E-02	0.000	0.001	7.00E-01
r114165349	1	27021913	G	C	98% ARMD3A	TT male / SHBG male	-0.003	0.003	3.80E-01	0.000	0.000	7.80E-01	0.001	0.001	1.20E-01	0.002	0.002	4.70E-01
r134460349	1	27180088	A	C	98% ZDHHC18	SHBG female	0.000	0.003	3.80E-01	0.000	0.000	6.30E-01	0.000	0.000	3.50E-01	0.000	0.000	6.30E-01
r12768221	1	40025028	G	T	81% SNO3AS5	SHBG male	-0.001	0.001	2.80E-01	0.000	0.000	3.40E-01	0.000	0.001	6.40E-01	0.001	0.001	2.70E-01
r11806791	1	61684868	A	C	92% NF1A	TT male	0.000	0.002	9.90E-01	0.000	0.000	7.20E-01	0.000	0.001	9.10E-01	0.000	0.000	7.20E-01
r159708846	1	61687651	G	A	93% NF1A	SHBG male	0.000	0.002	9.80E-01	0.000	0.000	6.40E-01	0.000	0.001	5.30E-01	0.000	0.001	8.60E-01
r4699721	1	91530001	C	T	81% -	SHBG female	-0.004	0.001	2.50E-03	0.000	0.000	3.60E-01	0.000	0.001	5.60E-01	0.000	0.001	9.30E-01
r110676893	1	92709889	T	TAC	95% GLMN	TT male	0.001	0.001	3.90E-01	0.000	0.000	7.50E-01	0.000	0.001	7.50E-01	0.000	0.001	4.90E-01
r6603991	1	93032583	T	C	20% EVIS	SHBG male	0.001	0.001	2.80E-01	0.000	0.000	9.90E-01	0.000	0.001	4.90E-01	0.000	0.001	9.90E-01
r6684361	1	101173743	T	C	69% PPA7	TT female	0.000	0.001	7.20E-01	0.000	0.000	8.20E-01	0.000	0.001	6.40E-01	-0.002	0.001	2.80E-01
r12406721	1	107563243	G	T	66% -	TT male	-0.001	0.001	5.80E-01	0.000	0.000	9.20E-01	0.000	0.001	8.90E-01	0.000	0.001	8.40E-01
r1762509	1	107592959	A	G	34% -	SHBG male	0.001	0.001	2.90E-01	0.000	0.000	9.30E-01	0.000	0.001	8.90E-01	0.001	0.001	4.20E-01
r1730864	1	107607810	C	T	34% PRMT6	SHBG female	0.001	0.001	2.40E-01	0.000	0.000	9.20E-01	0.000	0.001	9.50E-01	-0.001	0.001	4.10E-01
r14058494	1	110232983	A	G	28% GSTM1	SHBG male & female	0.001	0.001	3.60E-01	0.000	0.000	9.90E-01	0.000	0.001	9.90E-01	0.001	0.001	1.70E-01
r351364	1	113045061	A	T	25% WNT2B	TT female	-0.001	0.001	5.90E-01	0.000	0.000	5.50E-01	0.001	0.002	4.10E-01	0.000	0.001	9.80E-01
r9427104	1	154589232	C	T	53% ADAR	SHBG female	0.000	0.001	4.60E-01	0.000	0.000	6.10E-01	0.000	0.001	4.60E-01	0.000	0.001	6.10E-01
r9426827	1	154589965	C	T	53% ADAR	SHBG female	0.000	0.001	4.60E-01	0.000	0.000	5.70E-01	-0.001	0.001	5.40E-01	0.000	0.001	4.60E-01
r2250477	1	179274897	G	T	76% SDA1T	TT female	0.000	0.001	8.90E-01	0.000	0.000	4.70E-01	0.000	0.001	8.90E-01	0.000	0.001	8.90E-01
r4991530	1	194909591	G	C	59% -	SHBG female	-0.001	0.001	5.90E-01	0.000	0.000	5.60E-01	0.000	0.001	5.00E-01	0.000	0.001	2.20E-01
r11424399	1	204161520	G	GT	75% KISS1	TT male	0.000	0.001	2.40E-01	0.000	0.000	2.40E-01	0.000	0.001	5.30E-01	0.000	0.001	5.30E-01
r110864086	1	214318748	C	A	26% LINC20775	SHBG male	0.000	0.001	8.50E-01	0.001	0.001	2.50E-01	-0.002	0.001	1.10E-01	0.000	0.001	9.20E-01
r2860075	1	214352015	G	A	37% LINC20775	SHBG female	0.000	0.001	5.40E-01	0.000	0.000	5.40E-01	0.000	0.001	9.30E-01	-0.001	0.001	1.30E-01
r2643438	1	220970028	A	G	29% MTARCL	SHBG male	0.000	0.001	1.30E-01	0.000	0.001	4.10E-01	0.000	0.001	8.40E-01	0.000	0.001	8.40E-01
r12999558	2	12553355	G	A	95% RNH48-3A3P	TT female	-0.003	0.002	1.50E-01	0.000	0.000	5.60E-01	0.001	0.001	6.70E-01	0.000	0.001	1.10E-01
r76527790	2	27055853	A	G	89% -	SHBG male	0.001	0.001	4.50E-01	0.000	0.000	5.50E-02	0.001	0.001	6.60E-02	0.001	0.001	4.50E-01
r113032431	2	27301404	G	T	95% EMLIN1	SHBG male & female	0.000	0.002	9.30E-01	0.000	0.000	6.20E-02	-0.001	0.001	1.20E-01	0.000	0.002	9.30E-01
r6547456	2	27393382	C	T	94% -	SHBG female	0.001	0.002	7.90E-01	0.001	0.001	5.80E-03	0.001	0.002	7.90E-01	0.001	0.002	7.90E-01
r1557800810	2	27416517	A	G	6% -	TT male	0.001	0.002	6.50E-01	0.000	0.000	1.30E-02	0.000	0.001	8.70E-01	0.001	0.002	6.50E-01
r1115961201	2	27704896	A	G	96% FT172	SHBG male	0.001	0.002	8.30E-01	0.000	0.000	1.50E-01	0.000	0.001	9.90E-01	0.001	0.002	8.30E-01
r77163241	2	27709510	A	G	98% FT172	SHBG male	0.001	0.003	7.20E-01	0.000	0.000	8.10E-01	0.001	0.001	1.30E-01	0.001	0.003	7.20E-01
r11260326	2	27730940	T	C	39% GOCR	TT male & female / SHBG male & female	0.001	0.001	1.80E-01	0.000	0.000	8.90E-02	0.001	0.001	4.90E-01	-0.001	0.001	1.80E-01
r62131877	2	27740328	C	T	95% GOCR	SHBG male	-0.001	0.002	6.00E-01	0.000	0.000	4.60E-01	0.000	0.001	6.60E-01	-0.001	0.002	6.00E-01
r11969131	2	28341375	C	T	83% BABAM2	SHBG male	0.000	0.001	6.60E-01	0.000	0.000	9.00E-02	0.000	0.001	8.00E-01	0.001	0.001	6.60E-01
r77775907	2	31609942	G	A	96% XDM	SHBG male	0.000	0.003	9.40E-01	0.000	0.000	5.50E-01	0.000	0.001	5.30E-01	0.000	0.003	9.40E-01
r113017476	2	31989359	G	A	96% -	TT male	-0.000	0.002	9.60E-01	0.000	0.000	6.50E-01	0.000	0.001	7.30E-01	0.000	0.002	9.60E-01
r62142079	2	32278732	C	T	56% MEMO1	TT male	-0.002	0.001	9.60E-02	0.000	0.000	9.00E-01	-0.002	0.001	9.60E-02	0.000	0.001	9.60E-02
r10793536	2	32871874	C	T	96% TTC7	SHBG male	0.001	0.002	7.50E-01	0.000	0.000	7.50E-01	0.000	0.001	5.30E-01	0.001	0.003	7.80E-01
232038262_TTT1	2	33032622	TTAT	T	96%	TT male	0.001	0.003	7.80E-01	0.000	0.000	5.50E-01	-0.002	0.002	3.30E-01	0.001	0.003	7.80E-01
r6736913	2	42510018	A	G	2% EMIA	SHBG male	0.005	0.003	7.50E-02	0.000	0.000	8.50E-01	0.000	0.001	7.00E-01	0.000	0.005	7.50E-02
r7599564	2	43209617	A	G	39% THADA	TT female	0.001	0.001	2.60E-01	0.000	0.000	5.00E-01	0.001	0.001	2.40E-01	0.000	0.001	2.60E-01
r110165929	2	44902288	A	C	26% SERTAD2	SHBG female	0.001	0.001	1.70E-01	0.000	0.000	8.00E-01	-0.002	0.002	3.10E-01	0.000	0.002	1.70E-01
r6546096	2	44906295	A	G	26% SERTAD2	SHBG male	-0.002	0.001	1.20E-01	0.000	0.000	6.60E-01	0.000	0.001	6.10E-01	0.000	0.002	1.20E-01
r156808484	2	70438552	G	GT	93% T1A1	SHBG female	-0.003	0.002	6.70E-02	0.000	0.000	6.00E-01	-0.003	0.003	2.80E-01	0.000	0.003	6.70E-02
r72904362	2	70537712	C	A	93% -	SHBG male	-0.003	0.002	6.80E-02	0.000	0.000	5.50E-01	0.000	0.001	6.10E-01	0.000	0.002	6.80E-02
r1580997	2	111934107	T	G	35% MIR4435-2HG	TT female	-0.001	0.001	5.70E-01	0.000	0.000	2.20E-01	-0.002	0.001	1.40E-01	0.000	0.002	5.70E-01
r110184004	2	165508389	C	T	59% COBLL1	SHBG female	0.000	0.001	4.70E-01	0.000	0.000	2.60E-01	0.001	0.001	1.00E-01	0.000	0.001	4.70E-01
r113389219	2	165528876	C	T	60% COBLL1	SHBG male	0.001	0.001	3.70E-01	0.000	0.000	1.60E-01	0.000	0.001	1.00E-01	0.001	0.001	3.70E-01
r9288177	2	19158252	G	A	63% -	SHBG male	-0.001	0.001	2.00E-01	0.000	0.000	2.00E-01	0.002	0.002	4.70E-01	-0.001	0.001	2.00E-01
r2709371	2	208384687	A	G	82% -	SHBG male	-0.001	0.001	4.50E-01	0.000	0.000	4.50E-01	0.000	0.001	4.50E-01	-0.001	0.001	4.50E-01
r11047891	2	211540507	C	A	68% CPS1	SHBG female	0.000	0.001	5.00E-01	0.000	0.000	0.000	0.000	0.001	6.00E-01	0.000	0.001	5.00E-01
r2176040	2	227092802	A	G	35% -	SHBG female	-0.001	0.001	3.70E-01	0.000	0.000	2.80E-01	0.001	0.002	4.80E-01	0.000	0.001	3.70E-01
r2972146	2	22710698	G	T	34% -	SHBG male	0.000	0.001	3.10E-01	0.000	0.000	0.000	0.002	9.70E-01	0.000	0.001	3.10E-01	
r62195072	2	234260879	T	C	68% DGD3	SHBG male	-0.001	0.001	3.20E-01	0.000	0.000	9.90E-01	-0.001	0.001	5.30E-01	0.000	0.001	3.20E-01
r57388206	2	23461329	T	TG	15% UGT1A8	SHBG female	-0.001	0.001	1.70E-01	0.000	0.000	2.40E-01	-0.001	0.001	6.90E-01			



Table with columns for ID, sex, age, BMI, and various numerical values. Rows include identifiers like rs178571122, rs174554, rs113172275, etc., and descriptions like SHBG male & female, SHBG female, TT female, etc.

r12602989	17	7456489	C	T	83%	TNFS12	TT male / SHBG male	-0.001	0.001	1.30E-01	0.000	0.000	7.40E-01	-0.001	0.001	1.30E-01	0.000	0.000	7.40E-01	-0.001	0.001	1.30E-01	0.000	0.000	7.40E-01	-0.001	0.001	0.000674615	4.00E-01
r142700143	17	7462657	T	TG	97%	TNFS12	SHBG female	0.000	0.002	9.00E-01	0.000	0.000	6.80E-01	0.002	0.001	1.40E-01	0.000	0.000	6.80E-01	0.001	0.001	1.40E-01	0.000	0.000	6.80E-01	0.001	0.001	0.01617738	1.10E-01
r143094271	17	7463100	G	A	98%	TNFS12	SHBG female	-0.003	0.002	2.20E-01	0.000	0.000	8.50E-01	-0.003	0.001	7.90E-01	0.000	0.000	8.50E-01	-0.004	0.001	7.90E-01	0.000	0.000	8.50E-01	-0.004	0.001	0.0189138	2.60E-02
r183855978	17	7465735	G	A	98%	TNFS12	TT male / SHBG male & female	-0.004	0.002	9.50E-02	0.000	0.000	2.20E-01	-0.004	0.002	9.50E-02	0.000	0.000	2.20E-01	-0.004	0.002	9.50E-02	0.000	0.000	2.20E-01	-0.004	0.002	0.0171984	1.80E-01
r1142832	17	7479215	T	C	41%	CD68	SHBG female	0.000	0.001	7.00E-01	0.000	0.000	3.00E-02	0.000	0.001	7.00E-01	0.000	0.000	3.00E-02	0.000	0.001	7.00E-01	0.000	0.000	3.00E-02	0.000	0.001	0.000520373	6.70E-01
r17482288_AAC17	17	7482288	AAC	A	97%	C68	SHBG female	-0.002	0.001	2.30E-01	0.000	0.000	3.70E-01	-0.002	0.001	2.30E-01	0.000	0.000	3.70E-01	-0.002	0.001	2.30E-01	0.000	0.000	3.70E-01	-0.002	0.001	0.0161255	3.10E-01
r117607	17	7484782	G	A	90%	CD68	SHBG female	0.000	0.001	7.00E-01	0.000	0.000	3.40E-01	0.000	0.001	7.00E-01	-0.003	0.001	4.50E-04	0.000	0.001	7.00E-01	0.000	0.000	3.40E-01	-0.003	0.001	0.0111032	8.70E-01
r12949854	17	7485131	A	G	98%	CD68	SHBG female	0.001	0.002	5.50E-01	0.000	0.000	6.00E-01	0.001	0.002	5.50E-01	0.000	0.000	6.00E-01	0.001	0.002	5.50E-01	0.000	0.000	6.00E-01	0.001	0.002	0.01812659	4.80E-01
r1818174079	17	7496839	G	A	99%	SC015	TT male / SHBG male & female	0.000	0.001	8.60E-01	0.000	0.000	8.60E-01	0.000	0.001	8.60E-01	0.000	0.000	8.60E-01	0.000	0.001	8.60E-01	0.000	0.000	8.60E-01	0.000	0.001	0.01812659	4.80E-01
r38393469	17	7499502	G	A	73%	FXR2	TT female	0.001	0.001	2.30E-01	0.000	0.000	4.40E-01	0.002	0.002	1.90E-01	0.001	0.001	2.30E-01	0.000	0.001	2.30E-01	0.000	0.000	4.40E-01	0.001	0.001	0.00058232	2.90E-01
r142331290	17	7502034	G	A	98%	FXR2	TT male / SHBG male	0.002	0.002	4.50E-01	0.000	0.000	2.30E-01	0.002	0.001	9.99E-02	0.000	0.000	2.30E-01	0.002	0.001	9.99E-02	0.000	0.000	2.30E-01	0.002	0.001	0.0199692	9.20E-01
r188888972	17	7511652	C	T	99%	FXR2	TT male / SHBG male & female	-0.006	0.003	4.30E-02	0.000	0.000	5.40E-01	-0.006	0.001	7.90E-01	0.000	0.000	5.40E-01	-0.006	0.003	4.30E-02	0.000	0.000	5.40E-01	-0.006	0.001	0.00223403	1.10E-02
r11078701	17	7523708	C	T	98%	SHBG	SHBG female	-0.006	0.002	1.70E-02	0.000	0.000	1.50E-01	-0.006	0.002	1.70E-02	0.000	0.000	1.50E-01	-0.006	0.002	1.70E-02	0.000	0.000	1.50E-01	-0.006	0.001	0.0195741	6.60E-02
r1799941	17	7533423	G	A	75%	SAT2	TT male / SHBG male	0.001	0.001	2.70E-01	0.000	0.000	5.30E-01	0.000	0.001	6.70E-01	0.000	0.000	5.30E-01	0.001	0.001	2.70E-01	0.000	0.000	5.30E-01	0.001	0.001	0.0005843	6.90E-01
r1727428	17	7537792	T	C	45%	SHBG	SHBG female	0.001	0.001	1.00E-01	0.000	0.000	5.00E-01	0.000	0.001	5.30E-01	0.000	0.000	5.00E-01	0.001	0.001	1.00E-01	0.000	0.000	5.00E-01	0.001	0.001	0.00051407	3.20E-01
r1112982019	17	7538182	T	C	96%	SHBG	SHBG female	0.004	0.002	1.60E-02	0.000	0.000	6.30E-01	0.000	0.001	9.40E-01	0.000	0.000	6.30E-01	0.004	0.002	1.60E-02	0.000	0.000	6.30E-01	0.003	0.001	0.012782	3.10E-02
r57161414	17	7538323	G	A	97%	SHBG	SHBG female	0.001	0.002	6.10E-01	0.000	0.000	1.70E-01	0.000	0.001	8.20E-01	0.001	0.002	6.10E-01	0.000	0.001	8.20E-01	0.000	0.000	1.70E-01	0.001	0.001	0.01848157	3.50E-01
r72829428	17	7545330	A	G	98%	ATP1B2	TT male / SHBG male	-0.001	0.002	7.70E-01	0.000	0.000	6.40E-01	-0.001	0.001	2.90E-01	0.000	0.000	6.40E-01	-0.001	0.002	7.70E-01	0.000	0.000	6.40E-01	-0.001	0.001	0.0183482	5.50E-01
r72829452	17	7562042	C	T	95%	ATP1B2	TT male / SHBG male	-0.000	0.001	9.70E-01	0.000	0.000	9.30E-01	-0.000	0.001	9.70E-01	0.000	0.000	9.30E-01	0.000	0.001	9.70E-01	0.000	0.000	9.30E-01	0.000	0.001	0.0115474	7.70E-01
r111757561	17	7566828	G	A	98%	TP53	SHBG male	0.001	0.003	7.80E-01	-0.001	0.000	3.80E-03	0.001	0.003	7.80E-01	-0.001	0.000	3.80E-03	0.001	0.003	7.80E-01	-0.001	0.000	3.80E-03	0.001	0.003	0.0121785	5.30E-01
r117851850	17	7573057	G	A	99%	TP53	TT male / SHBG male	-0.001	0.003	7.70E-01	0.000	0.000	3.80E-03	-0.001	0.003	7.70E-01	0.000	0.000	3.80E-03	-0.001	0.003	7.70E-01	0.000	0.000	3.80E-03	-0.001	0.003	0.02053423	8.20E-01
r16442792	17	7576151	G	A	99%	TP53	TT male / SHBG male	-0.001	0.003	7.20E-01	0.000	0.000	4.90E-01	-0.001	0.001	3.20E-01	0.000	0.000	4.90E-01	-0.001	0.003	7.20E-01	0.000	0.000	4.90E-01	-0.001	0.001	0.0238756	8.50E-01
r15447295	17	7579800	G	C	27%	TP53	TT male / SHBG male	0.000	0.001	8.30E-01	0.000	0.000	4.80E-02	0.000	0.001	8.30E-01	0.000	0.000	4.80E-02	0.000	0.001	8.30E-01	0.000	0.000	4.80E-02	0.000	0.001	0.00051891	7.70E-01
r118919550	17	7595379	C	T	97%	TP53	SHBG female	0.002	0.002	3.30E-01	0.000	0.000	2.30E-01	0.002	0.002	3.30E-01	0.000	0.000	2.30E-01	0.002	0.002	3.30E-01	0.000	0.000	2.30E-01	0.002	0.001	0.0155574	6.80E-01
r118081933	17	7606211	G	A	98%	EFNB2	SHBG female	-0.001	0.002	6.60E-01	0.000	0.000	6.80E-01	-0.001	0.001	7.80E-01	0.000	0.000	6.60E-01	-0.001	0.002	6.60E-01	0.000	0.000	6.80E-01	-0.001	0.001	0.01649408	8.10E-01
r307626	17	7625396	G	A	68%	DNAH2	SHBG male	-0.001	0.001	4.10E-01	0.000	0.000	3.80E-01	-0.001	0.002	6.00E-01	0.001	0.001	4.10E-01	0.000	0.001	4.10E-01	0.000	0.000	3.80E-01	0.001	0.002	0.00054776	6.00E-02
r384152038	17	7647006	C	T	91%	DNAH2	SHBG female	-0.002	0.001	9.60E-02	0.000	0.000	7.90E-01	-0.002	0.001	5.50E-01	0.000	0.000	9.60E-02	0.000	0.001	9.60E-02	0.000	0.000	7.90E-01	-0.002	0.001	0.000901206	1.10E-01
r117387630	17	7651906	C	T	98%	DNAH2	TT male / SHBG male & female	-0.002	0.002	2.80E-01	0.000	0.000	8.90E-01	-0.002	0.002	2.80E-01	0.000	0.000	8.90E-01	-0.002	0.002	2.80E-01	0.000	0.000	8.90E-01	-0.002	0.001	0.0180105	1.40E-01
r62062617	17	7658034	C	T	95%	DNAH2	TT male / SHBG male & female	-0.002	0.001	2.50E-01	0.000	0.000	8.60E-01	-0.002	0.001	4.30E-01	0.000	0.000	2.50E-01	0.000	0.001	2.50E-01	0.000	0.000	8.60E-01	-0.002	0.001	0.0114287	1.70E-01
r17692484_AAA17	17	7692484	AAA	A	41%	TT male	TT male / SHBG male	-0.001	0.001	2.80E-01	0.000	0.000	4.10E-01	-0.001	0.001	2.80E-01	0.000	0.000	4.10E-01	-0.001	0.001	2.80E-01	0.000	0.000	4.10E-01	-0.001	0.001	0.00052948	1.00E-01
r38295135	17	7701525	G	A	97%	DNAH2	SHBG male	0.000	0.002	9.90E-01	0.000	0.000	9.50E-01	0.001	0.001	4.20E-01	0.000	0.000	9.90E-01	0.000	0.002	9.90E-01	0.000	0.000	9.50E-01	0.001	0.001	0.0184876	6.50E-01
r6503062	17	7713781	G	A	41%	DNAH2	SHBG female	0.000	0.001	6.90E-01	0.000	0.000	5.30E-01	0.000	0.001	6.20E-01	0.000	0.000	6.90E-01	0.000	0.001	6.90E-01	0.000	0.000	5.30E-01	0.001	0.001	0.00051219	4.40E-01
r188773436	17	7713814	C	T	99%	DNAH2	SHBG male	0.003	0.003	2.30E-01	0.000	0.000	5.70E-01	0.003	0.003	2.30E-01	0.000	0.000	2.30E-01	0.003	0.003	2.30E-01	0.000	0.000	5.70E-01	0.003	0.001	0.0124112	1.60E-01
r99161791	17	7721231	T	C	74%	DNAH2	SHBG male	-0.003	0.001	1.80E-01	0.000	0.000	3.40E-01	-0.001	0.001	1.60E-02	0.000	0.000	1.80E-01	-0.001	0.001	1.80E-01	0.000	0.000	3.40E-01	-0.001	0.001	0.000580289	3.20E-01
r182525460	17	7724159	A	C	98%	DNAH2	SHBG male	0.001	0.002	5.60E-01	0.000	0.000	8.90E-01	-0.001	0.001	4.00E-01	0.000	0.000	5.60E-01	0.000	0.002	5.60E-01	0.000	0.000	8.90E-01	-0.001	0.001	0.0188057	3.30E-01
r4130668	17	7739664	T	C	23%	KDM6B	SHBG male & female	0.000	0.001	9.30E-01	0.000	0.000	4.90E-01	0.000	0.001	7.90E-01	0.000	0.000	9.30E-01	0.000	0.001	9.30E-01	0.000	0.000	4.90E-01	0.000	0.001	0.000624504	3.70E-01
r75531890	17	7740529	C	T	94%	KDM6B	SHBG female	0.001	0.001	5.90E-01	0.000	0.000	4.20E-01	0.001	0.001	5.70E-01	0.000	0.000	5.90E-01	0.000	0.001	5.90E-01	0.000	0.000	4.20E-01	0.001	0.001	0.0109778	5.50E-01
r76162631	17	7759239	A	C	99%	KDM6B	SHBG male	-0.006	0.003	7.20E-02	-0.001	0.000	5.50E-02	-0.006	0.003	7.20E-02	-0.001	0.000	5.50E-02	-0.006	0.003	7.20E-02	-0.001	0.000	5.50E-02	-0.006	0.003	0.0206937	7.60E-01
r5741300	17	7781699	T	TA	81%	NAAB3	TT male	0.001	0.001	4.50E-01	0.000	0.000	1.90E-01																