Table S7. Gene-environment interactions between SNPs and breast cancer risk factors in Caucasians with interaction p-value $<10^{-3}$, overall and by ER status, adjusted for additional covariates

				Estrogen receptor-positive			Estrogen receptor-negative				
Variable	SNP	Locus	N (cases/controls)	OR (95%CI) ¹	P-value ²	N (cases)	OR (95%CI) ¹	P-value ²	N (cases)	OR (95%CI) ¹	P-value ²
Number of births (among parous)	rs3817198	LSP1	4392/6018	1.07 (1.01-1.14)	0.017	2935	1.10 (1.03-1.17)	0.006	1137	1.03 (0.93-1.03)	0.609
Parous (yes/no)	rs11249433	1p11.2	5413/5603	1.20 (1.03-1.40)	0.020	3590	1.28 (1.08-1.52)	0.005	1350	1.13 (0.88-1.45)	0.328
Mean lifetime intake of alcohol ³ (<20/>=20g/day)	rs17468277 ⁴	CASP8	5188/8145	1.59 (1.21-2.09)	0.001	3738	1.55 (1.16-2.08)	0.003	1225	1.46 (0.86-2.47)	0.164

¹Odds ratio (95% confidence interval) for GxE interaction from case-control analysis stratified by study, adjusted for reference age and additionally (if not variable of interest) for being parous (yes/no), number of births, BMI, age surrogate for postmenopausal status (≥54 years), interaction of BMI and postmenopausal status (≥54 years), current use of menopausal hormone therapy (MHT), past use of MHT, duration of oral contraceptives use, lifetime alcohol intake, smoking (pack-years). Subjects with missing covariable information were excluded.

² p-value for GxE interaction from case-control analysis stratified by study and adjusted for reference age

³ Mean lifetime daily alcohol intake derived from duration and amount of alcohol intake in g/day at different age periods

⁴ or the highly correlated SNP rs1045485 (r^2 = 1 in HapMap CEU)