

Supplementary Table S1. Association of offspring *GST* gene polymorphism with nicotine and its downstream metabolites in maternal sera

<i>GST</i> haplotype	Serum nicotine (nM)		Serum cotinine (nM)		Serum norcotinine (nM)		Serum hydroxycotinine (nM)	
	Effect estimate (β)	P value	Effect estimate (β)	P value	Effect estimate (β)	P value	Effect estimate (β)	P value
<b>Males</b>								
rs506008	0.521	0.77	-4.858	0.71	-0.080	0.44	-2.160	0.12
AG	ref		ref		ref		ref	
GG								
rs574344								
AT	0.349	0.88	-14.904	0.37	-0.129	0.326	-2.369	0.18
TT	ref		ref		ref		ref	
rs12736389								
CG	-0.095	0.95	18.537	0.13	0.091	0.34	0.852	0.51
GG	ref		ref		ref		ref	
rs3768490								
AA	-1.072	0.67	-4.583	0.80	0.042	0.77	-0.850	0.67
AC	1.469	0.35	9.353	0.42	0.049	0.59	0.715	0.56
CC	ref		ref		ref		ref	
rs1537234								
AA	0.768	0.74	-24.208	0.15	-0.121	0.36	-1.742	0.33
AC	0.439	0.80	-19.149	0.14	-0.137	0.18	-1.551	0.26
CC	ref		ref		ref		ref	
rs1695								
AA	0.544	0.83	-9.800	0.59	-0.082	0.56	-1.484	0.44
AG	0.405	0.87	7.663	0.67	0.066	0.64	0.394	0.83
GG	ref		ref		ref		ref	
<b>Females</b>								
rs506008								
AG	-1.660	0.27	-9.101	0.20	-0.059	0.48	-1.019	0.39
GG	ref		ref		ref		ref	
rs574344								
AT	1.206	0.51	-5.85	0.52	-0.055	0.62	-0.834	0.59
TT	ref		ref		ref		ref	
rs12736389								
CG	0.837	0.53	-0.737	0.91	0.002	0.98	-0.229	0.84
GG	ref		ref		ref		ref	
rs3768490								
AA	-3.430	0.17	-6.969	0.50	0.082	0.50	0.044	0.98
AC	1.022	0.44	4.483	0.42	0.029	0.65	0.049	0.97
CC	ref		ref		ref		ref	
rs1537234								
AA	1.083	0.59	12.027	0.23	0.182	0.13	2.888	0.09
AC	0.454	0.76	12.371	0.10	0.174	0.06	2.464	0.06
CC	ref		ref		ref		ref	
rs1695								
AA	1.1541	0.58	6.684	0.50	0.031	0.79	0.053	0.97
AG	1.928	0.35	6.366	0.52	0.061	0.60	0.808	0.62
GG	ref		ref		ref		ref	

Due to the rarity of the AA genotype for rs506008, individuals with the AA genotype were combined with the AG genotype. Due to the rarity of the AA genotype for rs574344, individuals with the AA genotype were combined with the AT genotype. Due to the rarity of the CC genotype for rs12736389, individuals with the CC genotype were combined with the CG genotype.