

420 Supplemental Table 1. SNPs genotyped in the current study.

SNP	Nearest Gene	Genotype	Sample Size
rs5443	<i>GNB3</i> <i>CDCA3</i>	<i>TT</i>	41
		<i>CT</i>	36
		<i>CC</i>	8
rs9939609	<i>FTO</i>	<i>TT</i>	15
		<i>AT</i>	31
		<i>AA</i>	26
rs17782313	<i>LOC342784</i> <i>ENSG00000267620</i> <i>MC4R</i>	<i>TT</i>	43
		<i>CT</i>	32
		<i>CC</i>	4
rs11084753	<i>KCTD15</i>	<i>GG</i>	33
		<i>AG</i>	39
		<i>AA</i>	12
rs7498665	<i>SH2B1</i>	<i>AA</i>	50
		<i>AG</i>	30
		<i>GG</i>	3
rs2568958	<i>LOC105378797</i> <i>NEGR1</i>	<i>AA</i>	19
		<i>AG</i>	41
		<i>GG</i>	22
rs10938397	<i>THAP12P9</i> <i>GNPDA2</i>	<i>AA</i>	41
		<i>AG</i>	31
		<i>GG</i>	2

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422 Supplemental Table 2. Regression analyses testing the mediating effect of dietary intake on
 423 the association between obesity-related genes and gestational weight gain

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		Path <i>c</i>			Path <i>c'</i> and <i>b</i>			Path <i>a</i>			Path <i>a x b</i>			
		B	SE	p	B	SE	p	B	SE	p	B	SE	LLCI	ULCI
<i>GNB3</i>	CT vs TT	1.07	1.83	0.56	2.27	1.87	0.23	-1.36	0.75	0.07	-1.20	0.70	-2.97	-0.09
	Fat%				0.88	0.31	0.006							
<i>MC4R</i>	CT vs TT	0.06	1.97	0.98	1.48	1.93	0.45	-1.40	0.73	0.06	-1.42	0.92	-3.84	-0.11
	Fat%				1.02	0.32	0.002							
<i>MC4R</i>	CT vs TT	0.06	1.97	0.98	1.17	1.97	0.55	1.93	1.06	0.07	-1.11	0.75	-3.30	-0.08
	Carb%				-0.57	0.19	0.004							

424 Process model 4 adjusted for prepregnancy BMI, maternal age, smoking, marital status, illegal drug use, and parity.