

Summary crude odds ratios (ORs) and 95% Confidence Intervals (95% CI) for two additive models for variants of the one carbon metabolism pathway genes (*MTHFR*, *MTR*, *MTRR*, *TS*)

Gene	Variant	rs number	Cases vs. controls (number of samples)	ADDITIVE MODEL: var/wt VS. wt/wt						ADDITIVE MODEL: var/var VS. wt/wt					
				N	Effect size		Heterogeneity		Power	N	Effect size		Heterogeneity		Power
					OR (95% CI)	P value	I ² (95% CI)	P value			OR (95% CI)	P value	I ² (95% CI)	P value	
One carbon metabolism															
MTHFR	C677T	rs1801133	27372 vs. 39867 (52§)	52	1.00 (0.94, 1.06)	0.92	53 (36, 65)	<0.0005	0.05	52	0.87 (0.81, 0.94)	<0.0005	35 (10, 53)	0.006	1.00
MTHFR	A1298C	rs1801131	17178 vs. 24792 (34§)	34	1.01 (0.97, 1.06)	0.51	0 (0, 37)	0.77	0.08	34	0.94 (0.87, 1.01)	0.09	22 (0, 49)	0.11	0.40
MTR	A2756G	rs1805087	11829 vs. 15975 (14§)	14	0.97 (0.92, 1.02)	0.27	12 (0, 50)	0.32	0.21	14	1.00 (0.83, 1.20)	0.98	48 (4, 72)	0.02	0.05
MTRR	A66G	rs1801394	6170 vs. 8732 (9)	9	0.98 (0.90, 1.07)	0.66	15 (0, 57)	0.31	0.10	9	1.04 (0.94, 1.14)	0.47	23 (0, 64)	0.24	0.17
TS	TSER	rs34743033	3519 vs. 5289 (5)	5	0.86 (0.78, 0.95)	0.003	18 (0, 83)	0.30	0.87	5	0.83 (0.73, 0.94)	0.004	17 (0, 83)	0.31	0.85
TS	Ts1494del6	rs34489327	3262 vs. 4518 (4)	4	0.96 (0.88, 1.06)	0.45	0 (0, 85)	0.62	0.13	4	1.03 (0.88, 1.19)	0.73	0 (0, 85)	0.84	0.07
* Includes unpublished data from SOCCS															
§ Includes unpublished data from Ontario															

Summary crude odds ratios (ORs) and 95% Confidence Intervals (95% CI) for a recessive and a dominant model for variants of the one carbon metabolism pathway genes (*MTHFR*, *MTR*, *MTRR*, *TS*)

Gene	Variant	rs number	Cases vs. controls (number of samples)	RECESSIVE MODEL: var/var VS. wt/wt & wt/var						DOMINANT MODEL: wt/var & var/var VS. wt/wt					
				N	Effect size		Heterogeneity		Power	N	Effect size		Heterogeneity		Power
					OR (95% CI)	P value	I ² (95% CI)	P value			OR (95% CI)	P value	I ² (95% CI)	P value	
One carbon metabolism															
MTHFR	C677T	rs1801133	27372 vs. 39867 (52§)	52	0.89 (0.82, 0.95)	0.001	41 (18, 57)	0.001	1.00	52	0.97 (0.93, 1.02)	0.30	48 (29, 62)	<0.0005	0.49
MTHFR	A1298C	rs1801131	17178 vs. 24792 (34§)	34	0.93 (0.87, 1.00)	0.05	14 (0, 43)	0.22	0.54	34	1.00 (0.96, 1.04)	0.99	0 (0, 37)	0.45	0.05

