Summary crude odds ratios (ORs) and 95% Confidence Intervals (95% CI) for two additive models for variants of rare high penetrance genes (*APC, MLH1*)

Gene	Variant	rs number	Cases vs. controls (number of samples)	ADDITIVE MODEL: var/wt VS. wt/wt						ADDITIVE MODEL: var/var VS. wt/wt					
					Effect size		Heterogeneity				Effect size		Heterogeneity		
				N	OR (95% CI)	*P* value	I^2 (95% CI)	*P value*	Power	N	OR (95% CI)	*P* value	I^2 (95% CI)	*P value*	Power
Rare, high penetrance															
APC	E1317Q	rs1801166	6898 vs. 6668 (6)	6	1.13 (0.88, 1.47)	0.34	0 (0, 75)	0.57	0.15	1	n/a	n/a	n/a	n/a	n/a
APC	D1822V	rs459552	6282 vs. 7038 (6)	6	0.99 (0.92, 1.07)	0.83	24 (0, 68)	0.26	0.06	6	0.84 (0.71, 0.98)	0.03	0 (0, 75)	0.45	0.55
MLH1	I219V	rs1799977	2956 vs. 5071 (7*)	7	1.09 (0.90, 1.32)	0.40	55 (0, 81)	0.04	0.42	7	1.01 (0.85, 1.21)	0.88	43 (0, 76)	0.1	0.05
MLH1	-93 G>A	rs1800734	4524 vs. 5544 (6*)	5	1.06 (0.97, 1.15)	0.23	0 (0, 79)	0.7	0.27	5	1.15 (0.95, 1.39)	0.15	26 (0, 71)	0.25	0.33
* Includes unpublished data from SOCCS															
§ Includes unpublished data from Ontario															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 rare high penetrance genes (*APC, MLH1*)

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					
					Effect size		Heterogeneity				Effect size		Heterogeneity		
				N	OR (95% CI)	P value	I^2 (95% CI)	P value	Power	N	OR (95% CI)	P value	I^2 (95% CI)	P value	Power
Rare, high penetrance															
APC	E1317Q	rs1801166	6898 vs. 6668 (6)	1	n/a	n/a	n/a	n/a	n/a	6	1.14 (0.88, 1.48)	0.31	0 (0, 75)	0.57	0.20
APC	D1822V	rs459552	6282 vs. 7038 (6)	6	0.84 (0.71, 0.99)	0.03	14 (0, 78)	0.32	0.58	6	0.97 (0.90, 1.04)	0.41	0 (0, 75)	0.45	0.14
MLH1	I219V	rs1799977	2956 vs. 5071 (7*)	7	1.00 (0.84, 1.19)	0.97	1 (0, 71)	0.42	0.05	7	1.09 (0.89, 1.33)	0.40	63 (15, 84)	0.01	0.46
MLH1	-93 G>A	rs1800734	4524 vs. 5544 (6*)	6	1.13 (0.95, 1.35)	0.18	14 (0, 78)	0.33	0.27	5	1.07 (0.98, 1.16)	0.13	0 (0, 79)	0.74	0.38
* Includes unpublished data from SOCCS															

§ Includes unpublished data from Ontario												