

Sup TABLE1

Supplemental Table 1. Clinicopathologic features of CRC probands stratified by MSI status. The families of probands with MSI-H tumors who met Amsterdam I and II criteria were removed from this subset analysis.

	MSS		MSI-L		MSI-H		OR (95%CI)
	Wgt N*	%**	Wgt N*	%**	Wgt N*	%**	MSI-H vs MSS
Age at Diagnosis							
<40	153	3.1	22	2.5	47	5.3	1
40-49	674	13.7	125	13.9	93	10.4	0.45 (0.24,0.84)
50-59	1480	30.0	252	27.8	130	14.6	0.29 (0.16,0.53)
60-69	1709	34.6	271	30.0	361	40.6	0.69 (0.38,1.25)
70+	921	18.7	234	25.9	259	29.1	0.92 (0.5,1.69)
heterogeneity p-value							<0.0001
Sex							
Female	2116	42.9	341	37.7	489	55.0	1
Male	2814	57.1	564	62.3	401	45.0	0.62 (0.44,0.85)
heterogeneity p-value							0.0037
Site of Tumor							
Proximal	1234	25.0	305	33.7	581	65.3	1
Distal	3281	66.5	487	53.8	235	26.4	0.15 (0.1,0.22)
Other	421	8.5	113	12.5	74	8.3	0.37 (0.2,0.67)
heterogeneity p-value							<0.0001
Number of 1st Degree Relatives with CRC							
0	4024	81.5	756	83.6	725	81.5	1
1	774	15.7	134	14.8	136	15.3	0.98 (0.69,1.37)
2	117	2.4	13	1.4	24	2.7	1.12 (0.58,2.18)
3+	22	0.5	2	0.2	5	0.6	1.24 (0.25,6.14)
heterogeneity p-value							0.9728
Number of 1st Degree Relatives with Endometrial Cancer							
0	4793	97.1	891	98.5	864	97.1	1
1+	144	2.9	14	1.5	26	2.9	0.99 (0.54,1.81)
heterogeneity p-value							0.9613
Number of 1st Degree Relatives with Any Other Cancer than CRC or Endometrial Cancer							
0	2239	45.4	410	45.4	359	40.4	1
1	1672	33.9	303	33.5	330	37.1	1.23 (0.85,1.78)
2	754	15.3	106	11.7	145	16.3	1.2 (0.76,1.88)
3+	272	5.5	86	9.5	56	6.3	1.29 (0.67,2.49)
heterogeneity p-value							0.6532

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Had 1st Degree Relatives with both CRC and Endometrial Cancer						
No	4896	99.2	903	99.9	882	99.1 1
Yes	41	0.8	1	0.1	8	0.9 1.04 (0.4,2.69)
heterogeneity p-value						0.9338
Bethesda						
No	3150	75.1	626	69.2	524	58.9 1
Yes	1787	71.4	279	30.8	365	41.1 1.23 (0.9,1.67)
heterogeneity p-value						0.1944

* Per text, these are estimated numbers of probands corrected for proband weighting based on

** Proportion of covariates within each tumor MSI category (MSS/MSI-L/MSI-H) are calculated