

Lifestyle Factors, Colorectal Tumor Methylation, and Survival Among African Americans and European Americans

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Supplementary Results: Survival Tables

Supplementary Table 1a. Associations of colon tumor methylation of *CACNA1G*, *RUNX3*, and *SOCS1* with time to all-cause mortality in African Americans and European Americans

Group	<i>CACNA1G</i>				<i>RUNX3</i>				<i>SOCS1</i>			
	Cut Point (%)	n (%)	HR	95% CI	Cut Point (%)	n (%)	HR	95% CI	Cut Point (%)	n (%)	HR	95% CI
AA	None	--	0.99	0.96, 1.03	None	--	1.01	0.99, 1.03	None	--	0.97	0.88, 1.06
	5	74 (39)	0.64	0.35, 1.16	3	87 (53)	1.28	0.71, 2.32	3	54 (46)	0.64	0.31, 1.32
	10	48 (25)	0.92	0.49, 1.73	6	35 (21)	1.08	0.53, 2.19	6	13 (11)	0.61	0.14, 2.65
	15	32 (17)	0.93	0.44, 1.95	9	17 (10)	1.06	0.41, 2.77	9	7 (6)	0.66	0.09, 5.03
	20	21 (11)	0.89	0.37, 2.15	12	13 (8)	1.39	0.52, 3.76	12	5 (4)	0.94	0.12, 7.26
	25	12 (6)	0.79	0.24, 2.56	15	11 (7)	1.71	0.62, 4.72	15	4 (3)	0.94	0.12, 7.26
	30	8 (4)	1.26	0.38, 4.18	18	10 (6)	1.95	0.69, 5.49	18	4 (3)	0.94	0.12, 7.26
	35	5 (3)	1.23	0.28, 5.29	21	8 (5)	2.89	0.98, 8.51	21	4 (3)	0.94	0.12, 7.26
EA	None	--	1.01	0.99, 1.03	None	--	1.01	0.99, 1.03	None	--	1.00	0.97, 1.04
	5	88 (38)	1.28	0.75, 2.18	3	119 (62)	1.04	0.59, 2.05	3	70 (47)	1.57	0.80, 3.06
	10	52 (22)	1.75	1.01, 3.04	6	51 (26)	1.10	0.59, 2.05	6	32 (21)	1.62	0.78, 3.38
	15	43 (18)	1.55	0.85, 2.82	9	42 (22)	0.84	0.42, 1.70	9	19 (13)	0.91	0.31, 2.64
	20	31 (13)	2.04	1.07, 3.89	12	32 (17)	1.01	0.48, 2.11	12	18 (12)	0.96	0.33, 2.76
	25	29 (12)	1.86	0.96, 3.61	15	27 (14)	1.36	0.65, 2.85	15	13 (9)	0.63	0.15, 2.68
	30	24 (10)	1.40	0.67, 2.91	18	26 (13)	1.39	0.66, 2.94	18	12 (8)	0.66	0.15, 2.79
	35	16 (7)	1.03	0.40, 2.65	21	24 (12)	1.27	0.58, 2.77	21	12 (8)	0.66	0.15, 2.79

N (%) High=number (%) with methylation at or above the respective cut point. Cut point of “None” means continuous methylation measurements. Each estimate is the methylation marker estimate from a Cox model with a dependent variable of time from colon cancer diagnosis to all-cause mortality (censored at 5 years) and independent variables of methylation marker, age, sex, and lifestyle variables (fruits, vegetables, folate, and non-steroidal anti-inflammatory drugs, with each lifestyle variable dichotomized at the 75th percentile in the distribution of AA and EA combined).

AA=African Americans, EA=European Americans

Supplementary Table 1b. Associations of colon tumor methylation of *MLHI* and *NEUROGI* with time to all-cause mortality in African Americans and European Americans

Group	<i>MLHI</i>			<i>NEUROGI</i>		
	Cut Point (%)	n (%) High	HR 95% CI	Cut Point (%)	n (%) High	HR 95% CI
AA	None	--	0.94 0.87, 1.02	None	--	1.00 0.98, 1.01
	1	143 (77)	0.88 0.47, 1.65	10	140 (73)	1.04 0.56, 1.94
	2	78 (42)	0.79 0.44, 1.40	15	115 (60)	1.14 0.66, 1.98
	4	42 (23)	0.60 0.28, 1.28	20	98 (51)	1.00 0.59, 1.71
	6	30 (16)	0.62 0.26, 1.47	25	76 (40)	0.89 0.51, 1.56
	8	24 (13)	0.51 0.18, 1.44	30	58 (30)	0.83 0.45, 1.51
	10	20 (11)	0.48 0.15, 1.56	35	43 (22)	0.48 0.22, 1.04
	12	16 (9)	0.43 0.10, 1.77	40	27 (14)	0.76 0.34, 1.72
	14	9 (5)	. .	45	18 (9)	0.77 0.30, 1.96
	16	8 (4)	. .	50	9 (5)	1.10 0.34, 3.64
EA	None	--	1.02 0.98, 1.05	None	--	1.00 0.98, 1.02
	1	175 (77)	0.98 0.52, 1.83	10	161 (69)	0.79 0.45, 1.39
	2	106 (46)	0.90 0.53, 1.51	15	141 (60)	1.04 0.60, 1.80
	4	48 (21)	1.11 0.59, 2.06	20	119 (51)	1.13 0.67, 1.93
	6	28 (12)	1.13 0.55, 2.35	25	97 (41)	1.17 0.68, 1.99
	8	26 (11)	1.34 0.64, 2.80	30	75 (32)	0.98 0.55, 1.75
	10	20 (9)	1.28 0.57, 2.91	35	58 (25)	0.96 0.51, 1.81
	12	16 (7)	1.44 0.60, 3.47	40	43 (18)	1.19 0.61, 2.33
	14	13 (6)	1.60 0.62, 4.09	45	27 (12)	1.28 0.57, 2.85
	16	12 (5)	1.70 0.66, 4.37	50	17 (7)	1.38 0.54, 3.49

N (%) High=number (%) with methylation at or above the respective cut point. Cut point of “None” means continuous methylation measurements. Each estimate is the methylation marker estimate from a Cox model with a dependent variable of time from colon cancer diagnosis to all-cause mortality (censored at 5 years) and independent variables of methylation marker, age, sex, and lifestyle variables (fruits, vegetables, folate, and non-steroidal anti-inflammatory drugs, with each lifestyle variable dichotomized at the 75th percentile in the distribution of AA and EA combined).

AA=African Americans, EA=European Americans