

Supplementary Table 1. Sex-stratified associations between vitamin D intake and *DKK1* methylation in colorectal carcinomas from Ontario and Newfoundland.

Variable	Newfoundland						Ontario					
	Males			Females			Males			Females		
	Total (%)	OR (95% CI)	p	Total (%)	OR (95% CI)	p	Total (%)	OR (95% CI)	p	Total (%)	OR (95% CI)	p
Vitamin D (ug)												
Overall			0.03			0.001			0.22			0.16
0-4	59 (25.4)	1.00 (Referent)		42 (28.0)	1.00 (Referent)		73 (28.0)	1.00 (Referent)		59 (23.5)	1.00 (Referent)	
>4	173 (74.6)	0.31 (0.11, 0.89)		108 (72.0)	0.17 (0.06, 0.47)		188 (72.0)	0.53 (0.20, 1.45)		192 (76.5)	1.28 (0.69, 2.38)	
Dietary			0.04			0.004			0.87			0.98
0-4	66 (28.2)	1.00 (Referent)		48 (32.0)	1.00 (Referent)		48 (18.4)	1.00 (Referent)		55 (21.9)	1.00 (Referent)	
>4	168 (71.8)	0.35 (0.13, 0.95)		102 (68.0)	0.24 (0.09, 0.63)		213 (81.6)	0.90 (0.27, 3.05)		196 (78.1)	0.92 (0.48, 1.75)	
Supplements			0.93			0.06			0.36			0.90
No	193 (82.8)	1.00 (Referent)		123 (81.5)	1.00 (Referent)		196 (75.1)	1.00 (Referent)		105 (59.8)	1.00 (Referent)	
Yes	40 (17.2)	0.95 (0.26, 3.51)		28 (18.5)	0.24 (0.05, 1.09)		65 (24.9)	0.55 (0.16, 1.96)		101 (40.2)	0.97 (0.61, 1.55)	

Supplementary Table 2. Stage-stratified associations between vitamin D intake and *DKK1* methylation in colorectal carcinomas from Ontario and Newfoundland.

Variable	Newfoundland						Ontario					
	Stage I/II			Stage III/IV			Stage I/II			Stage III/IV		
	Total (%)	OR (95% CI)	p	Total (%)	OR (95% CI)	p	Total (%)	OR (95% CI)	p	Total (%)	OR (95% CI)	p
Vitamin D (ug)												
Overall			0.003			0.006			0.05			0.87
0-4	64 (27.4)	1.00 (Referent)		37 (25.0)	1.00 (Referent)		79 (26.5)	1.00 (Referent)		45 (24.3)	1.00 (Referent)	
>4	170 (72.6)	0.27 (0.11, 0.65)		111 (75.0)	0.17 (0.05, 0.60)		219 (73.5)	0.48 (0.22, 1.01)		140 (75.7)	0.91 (0.30, 2.76)	
Dietary			0.004			0.06			0.85			0.21
0-4	69 (29.2)	1.00 (Referent)		45 (30.4)	1.00 (Referent)		59 (19.8)	1.00 (Referent)		37 (20.0)	1.00 (Referent)	
>4	167 (70.8)	0.29 (0.12, 0.68)		103 (69.6)	0.30 (0.09, 1.06)		239 (80.2)	1.09 (0.45, 2.67)		148 (80.0)	2.69 (0.58, 12.5)	
Supplements			0.31			0.15			0.32			0.83
No	191 (81.3)	1.00 (Referent)		125 (83.9)	1.00 (Referent)		207 (69.5)	1.00 (Referent)		115 (62.2)	1.00 (Referent)	
Yes	44 (18.7)	0.56 (0.18, 1.72)		24 (16.1)	0.21 (0.03, 1.78)		91 (30.5)	0.69 (0.33, 1.44)		70 (37.8)	1.10 (0.43, 2.86)	