

Article title: Fine-grained investigation of the relationship between human nutrition and global DNA methylation patterns

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Author names: Fabrizia Noro, Annalisa Marotta, Marialaura Bonaccio, Simona Costanzo, Federica Santonastaso, Sabatino Orlandi, Alfonsina Tirozzi, Roberta Parisi, Amalia De Curtis, Mariarosaria Persichillo, Francesco Gianfagna, Augusto Di Castelnuovo, Maria Benedetta Donati, Chiara Cerletti, Giovanni de Gaetano, Licia Iacoviello, Alessandro Gialluisi and Benedetta Izzi

Affiliation and e-mail address of the corresponding author:

Department of Epidemiology and Prevention, IRCCS NEUROMED, Pozzilli, Italy.

EPIMED Research Center, Department of Medicine and Surgery, University of Insubria, Varese, Italy.

e-mail: licia.iacoviello@moli-sani.org

Table S1. Univariate trends of association of 5-methylcytosine (5-mC) and 5-hydroxymethylcytosine (5-hmC) with dyslipidemia, diabetes, cancer, and cardiovascular disease (CVD).

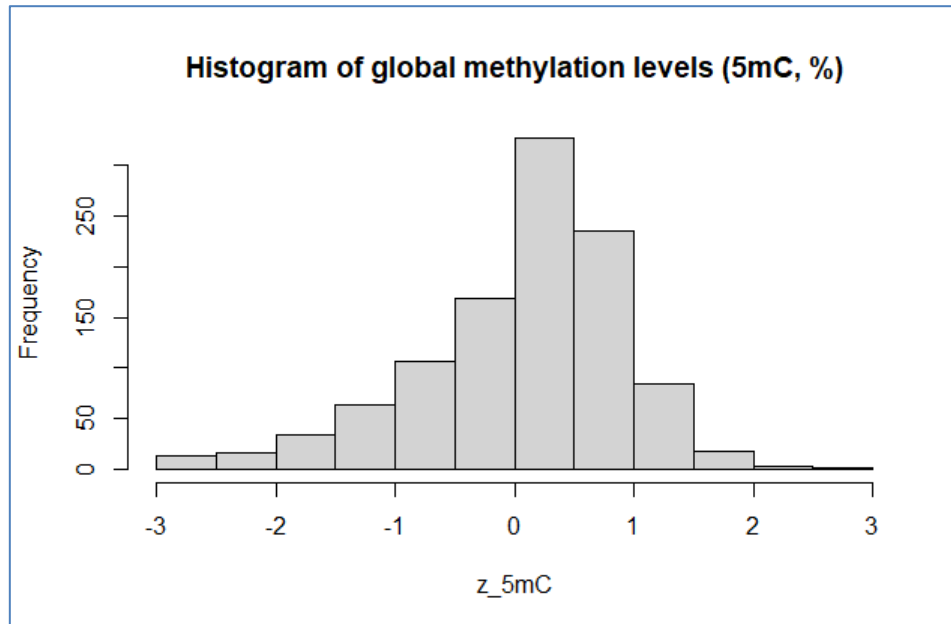
	5mC				5hmC			
	Model 1		Model 2		Model 1		Model 2	
	Beta(SE)	p-value	Beta(SE)	p-value	Beta(SE)	p-value	Beta(SE)	p-value
Dyslipidemia	-0.304(0.106)	<0.01	-0.243(0.134)	0.07	-0.136(0.108)	0.21	-0.089(0.150)	0.55
Diabetes	0.495(0.225)	0.03	-0.037(0.224)	0.87	-0.330(0.230)	0.15	-0.267(0.263)	0.31
Cancer	-0.087(0.159)	0.59	-0.086(0.152)	0.57	-0.018(0.161)	0.91	-0.191(0.169)	0.26
CVD	-0.279(0.115)	0.01	-	-	-0.126(0.115)	0.27	-	-

Model 1: adjusted for age and sex (including prevalent CVD cases).

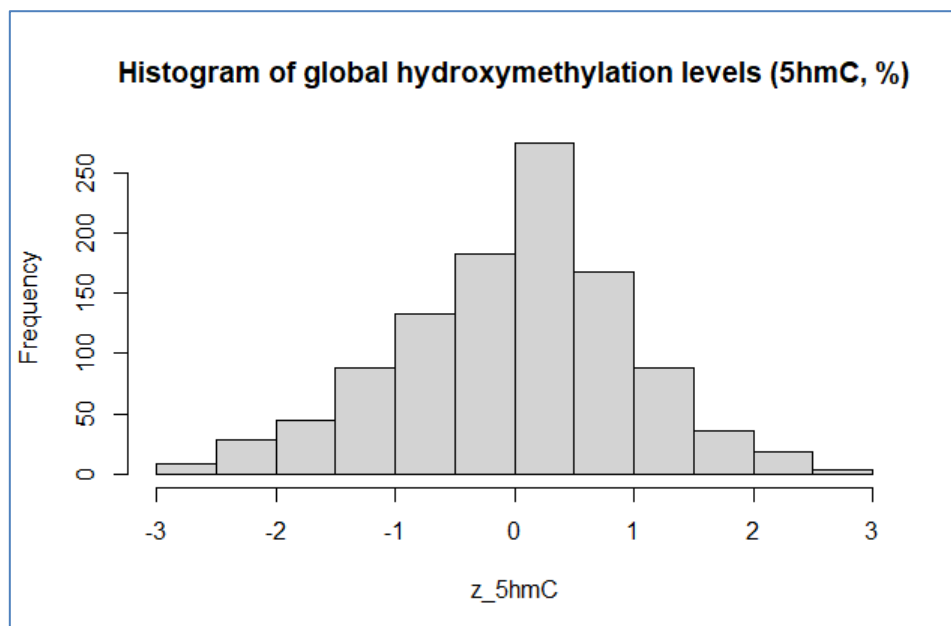
Model 2: adjusted for age and sex (removing prevalent CVD cases from the study population).

Fig. S1 Distributions of global **a)** methylation (5mC, N=1,067) and **b)** hydroxymethylation levels (5hmC, N=1,075) in the analysed subset of the Moli-sani study.

a)



b)



X-axis values are expressed as within-plate standardized proportion (%) of CpG sites carrying the epigenetic modification genome-wide.

PARTICIPANT FLOWCHART

