

Supplementary Table 1. Median (10th–90th percentile) recalibrated circulating carotenoid levels (µg/dL) among control subjects*

Cohort	α-carotene	β-carotene	β-cryptoxanthin	Lutein+zeaxanthin	Lycopene	Total carotenoids
Columbia, MO	4.6 (1.6–11.4)	17.2 (6.7–35.5)	7.9 (4.5–15.4)	20.3 (11.5–37.5)	20.0 (9.5–38.9)	77.7 (43.2–121.9)
Umea	8.9 (3.4–22.2)	27.4 (13.0–63.4)	12.2 (5.3–30.3)	20.9 (13.3–33.3)	18.1 (7.0–34.5)	94.3 (60.1–161.4)
CLUE I	3.7 (2.2–8.6)	19.2 (9.3–39.0)	6.8 (2.5–19.0)	18.4 (10.5–34.8)	33.4 (21.1–53.0)	88.6 (56.4–138.8)
CLUE II	4.9 (2.9–10.2)	18.3 (10.2–44.3)	9.2 (3.4–18.6)	18.1 (12.9–31.9)	35.4 (21.7–51.1)	94.5 (66.1–130.0)
NHS	7.9 (2.8–19.8)	23.6 (9.0–63.8)	11.5 (5.7–22.2)	25.3 (13.9–43.9)	42.2 (22.8–69.1)	115.7 (65.4–195.0)
WHS	6.5 (3.5–14.5)	19.0 (10.3–43.5)	9.0 (4.0–19.7)	20.6 (12.6–34.1)	35.7 (21.8–56.9)	90.9 (61.6–151.3)
NYUWHS	7.5 (2.7–23.5)	26.1 (8.6–76.6)	12.2 (6.7–22.2)	29.2 (16.7–51.2)	32.8 (16.9–56.3)	119.5 (59.3–213.9)
SWHS	2.3 (1.0–5.2)	22.2 (5.4–48.9)	9.9 (4.3–34.0)	38.0 (25.2–56.2)	10.7 (4.9–30.1)	93.3 (64.4–137.0)
MEC	6.3 (1.3–16.3)	21.4 (5.5–62.0)	18.0 (5.9–54.5)	24.1 (13.0–40.7)	30.6 (21.7–46.2)	99.3 (45.3–188.1)

*To convert µg/dL to µmol/L, multiply by the following factors: 0.01863 for α-carotene, β-carotene, and lycopene; 0.01810 for β-cryptoxanthin; 0.01758 for lutein+zeaxanthin. NHS=Nurses' Health Study; WHS=Women's Health Study; NYUWHS=New York University Women's Health Study; SWHS=Shanghai Women's Health Study; MEC=Multiethnic Cohort Study.