Supplementary Data

SUPPLEMENTARY TABLE S1. MULTIVARIATE ANALYSIS OF DIETARY PATTERN AND ASTHMA EXACERBATION

Asthma exacerbation in the prior year	Atopic asthma (n=210)	Nonatopic asthma (n=95)
	Odds ratio (95% confidence interval)	
At least one hospitalization for asthma		
Healthy diet, no vitamin D insufficiency	1.0	1.0
Unhealthy diet, no vitamin D insufficiency	1.16 (0.46–2.91)	1.62 (0.11–24.60)
Healthy diet, with vitamin D insufficiency	1.30 (0.49–3.43)	28.29 (1.42–564.11)*
Unhealthy diet, with vitamin D insufficiency	3.13 (1.16–8.50)*	28.25 (1.32–604.35)*
At least one severe asthma exacerbation		
Healthy diet, no vitamin D insufficiency	1.0	1.0
Unhealthy diet, no vitamin D insufficiency	1.02 (0.46–2.30)	1.30 (0.16–10.81)
Healthy diet, with vitamin D insufficiency	1.25 (0.54–2.81)	3.82 (0.39–37.95)
Unhealthy diet, with vitamin D insufficiency	3.86 (1.57–9.51)**	5.91 (0.60–58.57)

All models were adjusted for age, sex, household income, and parental history of asthma. Dietary pattern: healthy diet (dietary score ≥1) as compared with unhealthy diet (dietary score ≤0).
*$P < 0.05$; **$P < 0.01$.