

Supplement Table S4. Inverse variance weighted analysis of the reverse causality between exposure and outcome.

Exposure	Outcome	β (95%CI)	p value
Class			
IgAN	Actinobacteria	0.0002(-0.0008, 0.0012)	0.69
Family			
IgAN	Erysipelotrichaceae	0.0002(-0.00075, 0.00118)	0.7
Genus			
IgAN	Butyrivibrio	-0.0007(-0.0024, 0.0023)	0.96
IgAN	Parabacteroides	-0.0005(-0.00015, 0.00048)	0.93
IgAN	Ruminococcus	0.0003(-0.0007, 0.0012)	0.499
IgAN	Phascolarctobacterium	-0.0005(-0.002, 0.0009)	0.42
IgAN	Lachnospira	0.0004(-0.0006, 0.0014)	0.44
Order			
IgAN	Erysipelotrichales	0.0002(-0.00085, 0.0012)	0.7
Metabolic			
IgAN	Beta_hydroxybutyric acid	-0.003(-0.006, 0.002)	0.43

Abbreviations: IgAN: immunoglobulin A nephropathy