

	Genus level		Species level	
	R2 (%)	P value	R2 (%)	P value
Nationally	6.268	0.001 ***	4.697	0.001 ***
Age	0.575	0.01 **	0.564	0.004 **
Sex	0.858	0.001 ***	0.874	0.001 ***
BMI	1.092	0.001 ***	0.942	0.001 ***
Residual	91.208		92.922	

* *** p < 0.001, ** p < 0.01, * p < 0.05