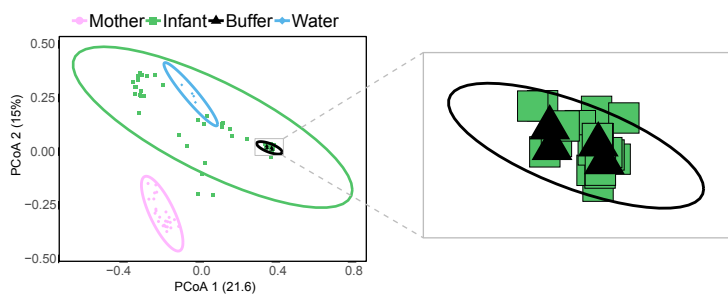


Supplementary Figure 1

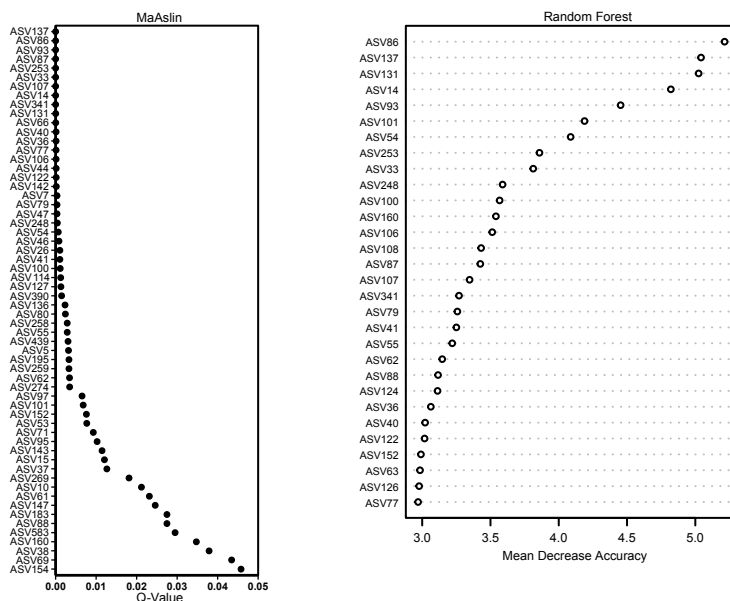
A



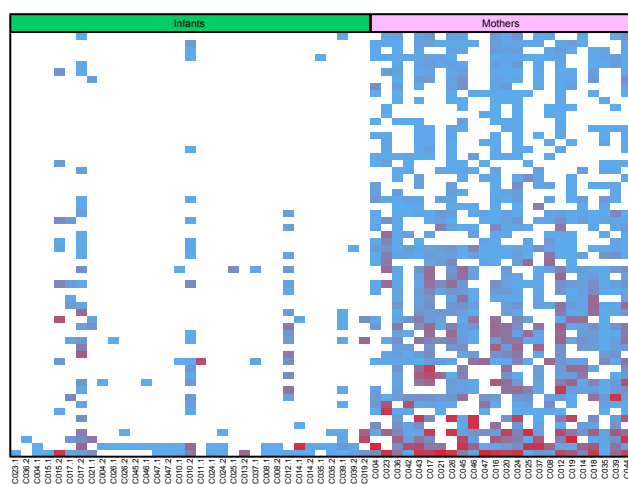
B

	Features	MaAslin		Random Forest	
		Average P.value	Average P.adjusted	OOB error rate (%)	AUC
Infant Microbiome	Zygoty	0	ns	ns	ns
	Delivery Route	0	ns	ns	ns
	Feeding Type	0	ns	ns	ns
	Delivery Site	0	ns	ns	ns
Mother & Infant Microbiome	Race	1	1.54E-06	6.93E-04	19.3
	Pre-preg BMI Cat	0	ns	ns	ns
	Mother or Infant	60	3.79E-05	7.66E-03	7.02

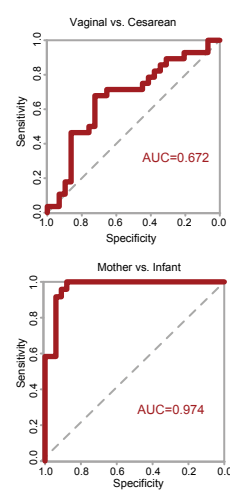
C



D



E



F

	Weighted Unifrac Distance	
Infant Microbiome	Zygoty (related infants)	ns
	Delivery Route (all infants)	1.50E-05
	Feeding Type (all infants)	ns; ns; 0.002
	Delivery Site	6.22E-06
Mother & Infant Microbiome	Race	ns
	Pre-preg BMI Cat	ns
	Mother or Infant	2.10E-33

G

	Weighted Unifrac Distance	
Related Mother Infant Paired Data	Zygoty	ns
	Delivery Route	ns
	Feeding Type	ns
	Delivery Site	ns
	Race	ns
	Pre-preg BMI Cat	ns
	Mother or Infant	NA