

**Table S1** The effect of host factors on *Lactobacillus* abundance

Host factors	Cervix	Vagina
Group <sup>^</sup>	6.7%*	9.9%**
Model <sup>#</sup>	12.20%	14.10%
Group	4.40%	3.30%
Age	0.20%	0.10%
BMI	0.02%	0.07%
Gestational week	5.3%*	2.60%
Previous miscarriage	0.60%	0.06%
WBC	0.60%	1.10%
RBC	–	0.70%

<sup>^</sup>, include only one variable 'group' (case and control) in the model, the effect size of the variable equals to the effect size of the entire model; <sup>#</sup>, include all the variables into the model. Effect size was estimated from the coefficient. \*, P<0.05; \*\*, P<0.01. "–" means no effect; BMI, body mass index; RBC, red blood count; WBC, white blood count.