

**Supplementary Table S1 Descriptive statistics of ratios between pro- and anti- inflammatory cytokines by birth outcomes**

Ratio <sup>1</sup>	Spontaneous Preterm Birth	Spontaneous Early Term Birth	Full-term Birth (referent)
Serum IFN $\gamma$ /IL10 (T1)	2.07 $\pm$ 1.03	2.09 $\pm$ 0.93	2.12 $\pm$ 0.70
Serum IFN $\gamma$ /IL10 (T2)	1.82 $\pm$ 1.11	1.91 $\pm$ 0.84	1.97 $\pm$ 0.87
Vaginal IFN $\gamma$ /IL10 (T1)	2.74 $\pm$ 1.67	2.84 $\pm$ 1.93	3.07 $\pm$ 1.74
Vaginal IFN $\gamma$ /IL10 (T2)	3.09 $\pm$ 1.66	3.50 $\pm$ 1.56	2.81 $\pm$ 1.89
Serum IL6/IL10 (T1)	0.42 $\pm$ 0.73	0.66 $\pm$ 1.01	0.76 $\pm$ 0.86
Serum IL6/IL10 (T2)	0.42 $\pm$ 0.90	0.75 $\pm$ 0.96	0.74 $\pm$ 0.88
Vaginal IL6/IL10 (T1)	3.67 $\pm$ 2.35	3.58 $\pm$ 2.12	3.47 $\pm$ 2.04
Vaginal IL6/IL10 (T2)	2.75 $\pm$ 1.70	3.43 $\pm$ 2.11	2.73 $\pm$ 2.16
Serum CRPmg (T1)	-1.02 $\pm$ 1.19	-0.98 $\pm$ 1.46	-0.84 $\pm$ 1.28
Serum CRPmg (T2)	-0.91 $\pm$ 1.03	-0.96 $\pm$ 1.31	-0.61 $\pm$ 1.07
Vaginal CRPmg (T1)	-9.32 $\pm$ 1.84	-9.31 $\pm$ 1.85	-9.43 $\pm$ 2.01
Vaginal CRPmg (T2)	-9.74 $\pm$ 1.83	-9.31 $\pm$ 1.97	-9.30 $\pm$ 1.95
Serum TNFa/IL10 (T1)	1.84 $\pm$ 0.60	1.89 $\pm$ 0.71	2.02 $\pm$ 0.63
Serum TNFa/IL10 (T2)	1.83 $\pm$ 0.76	1.95 $\pm$ 0.82	2.13 $\pm$ 0.79
Vaginal TNFa/IL10 (T1)	1.91 $\pm$ 1.68	1.87 $\pm$ 1.90	1.96 $\pm$ 1.52
Vaginal TNFa/IL10 (T2)	1.48 $\pm$ 1.69	2.07 $\pm$ 1.94	1.65 $\pm$ 1.57

<sup>1</sup> Ratios between pro- and anti- inflammatory cytokines were log-transformed to normalize the data distribution. T1 and T2 stand for early and late pregnancy, respectively.