

**Supplementary Table 1.** Cervicovaginal fluid metabolite concentrations

| Metabolite, g/L         | Term (N = 129)      | Preterm (N = 6) | P value     |
|-------------------------|---------------------|-----------------|-------------|
| Acetate                 | 0.04±0.04 (n=121)   | 0.05±0.06 (n=6) | 0.46        |
| Glucose                 | 0.58±0.56 (n = 129) | 0.64±0.37 (n=6) | 0.39        |
| Glutamate               | 0.09±0.06 (n = 125) | 0.05±0.03 (n=5) | 0.10        |
| Formate                 | 0.01±0.01 (n=121)   | 0.01±0.01 (n=6) | 0.67        |
| D-lactate               | 0.31±0.38 (n=122)   | 0.30±0.25 (n=5) | 0.96        |
| L-lactate               | 0.39±0.25 (n=125)   | 0.33±0.30 (n=6) | 0.75        |
| Total lactate           | 0.68±0.46 (n=128)   | 0.58±0.32 (n=6) | 0.71        |
| L/D-lacate ratio        | 25.30±62.88 (n=113) | 0.44±0.38 (n=3) | <b>0.04</b> |
| Succinate               | 0.03±0.03 (n=70)    | 0.03±0.03 (n=5) | 0.85        |
| Acetate/lactate ratio   | 0.16±0.51 (n=118)   | 0.43±0.94 (n=6) | 0.50        |
| Succinate/lactate ratio | 0.05±0.06 (n=69)    | 0.26±0.53 (n=5) | 0.75        |

Data are presented as Mean ± Standard deviation. Reduced sample numbers (n) in some metabolites are due to concentrations below the detectable limit of the assay kit.