Supplemental Table 1. **Flowchart depicting sample size for each of the three proposed analyses:**

**Total Luteal Samples: 274 serum samples**

**172 women**

6 samples excluded (missing matching serum and urine hormones)

**268 serum samples**

**170 women**

**With matching serum and urine sample dates within 16-24 days of cycle included in urine/serum associations analysis**

45 women excluded (non-ELA/missing DLT/serum collection post DLT)

**125 women**

**Included in integrated uPdg analysis**

48 women excluded (missing FMP)

**77 women**

**Included in years since FMP analysis**

ELA= evidence of luteal activity; uPdg=urinary pregnanediol glucuronide; DLT= day of luteal transition; FMP: Final Menstrual Period