Metadata for supplemental datasets

**Dataset:** BasalLaminaDegradationDataset
Each row is a unique follicle used in experiments.

- **Column descriptions**
  - **Plate:** ID of 96-well plate in which experiments were run (A-H)
  - **Well:** Well within 96-well plate in which follicle was cultures (B2-G11)
  - **TRT:** Treatment group (CON – vehicle control; FSH – 1 ug/mL FSH; LOW – 1 ug/mL FSH + 1 um fRFRP-3; HIGH - 1 ug/mL FSH + 10 um fRFRP-3)
  - **IsoDOY:** Day of the year on which follicles were isolated
  - **CLASS:** Class categorization of follicle type (all follicles used are preantral)
  - **0.Q-8.Q:** Quality score for follicle on days 0 through 8. (1, intact; 0, degraded)
  - **DAY:** Day on which follicle was observed as degraded (2, 4, 6, or 8)
  - **EVENT:** Occurrence of degradation (1, follicle degraded during culture; 0, follicle remained intact across culture period)
  - **Censor:** Inverse of Event
  - **L_day:** Last day follicle was observed to be intact
  - **SIZE:** Area of the follicle on day 0 (um²)

**Dataset:** FollicleSizeDataset
Each row is a unique observation of a follicle on day 0 or 8.

- **Column descriptions**
  - **Plate:** ID of 96-well plate in which experiments were run (A-H)
  - **Well:** Well within 96-well plate in which follicle was cultures (B2-G11)
  - **TRT:** Treatment group (CON – vehicle control; FSH – 1 ug/mL FSH; LOW – 1 ug/mL FSH + 1 um fRFRP-3; HIGH - 1 ug/mL FSH + 10 um fRFRP-3)
  - **IsoDOY:** Day of the year on which follicles were isolated
  - **DAY:** Day of observation (0, 8)
  - **SIZE:** Area of the follicle (um²)
  - **lgS:** log-transformed area of the follicle (um²)

**Dataset:** ProgesteroneData
Each row is progesterone data from a unique follicle used in experiments.

- **Column descriptions**
  - **ID:** Numeric ID assigned during extractions
  - **CPLATE:** ID of 96-well plate in which experiments were run (A-H)
  - **Well:** Well within 96-well plate in which follicle was cultures (B2-G11)
  - **TRT:** Treatment group (CON – vehicle control; FSH – 1 ug/mL FSH; LOW – 1 ug/mL FSH + 1 um fRFRP-3; HIGH - 1 ug/mL FSH + 10 um fRFRP-3)
Round: Extraction round
Date: Extraction date
Iso_NOTES: Qualitative notes on the extraction process, including any potential loss of sample
EIA_notes: Notes on samples falling above or below limit of detection during ELISA
CV: coefficient of variation among duplicate wells in EIA
CorrValue: Concentration of progesterone measured in EIA
precise: Yes/no whether CorrValue is exact or from limits of standard curve
day0size: Area of the follicle on day 0 (um²)
day8size: Area of the follicle on day 8(um²)
absdsize: Percent change in size over culture period ($\frac{100 \times (day\ 8 - day\ 0)}{day\ 0} + 100$)

Dataset: LiveDeadData
Each row is counts of follicles in a given outcome and treatment group.

Column descriptions
Iteration: Round of experiment
TRT: Treatment group (CON – vehicle control; FSH – 1 ug/mL FSH; 1um – 1 ug/mL FSH + 1 um fRFRP-3; 10um - 1 ug/mL FSH + 10 um fRFRP-3
outcome: Staining label (live, mix, dead) – note: for analyses, mix and dead were combined
N: Count of follicles categorized in this outcome based on fluorescent markers