Scoring

- Open one of the provided zip folders with 24 randomly assorted photos
    - The order of these photos correspond with the order of the provided histology
- Examine one picture at a time and give each penis a score, record the score in a spreadsheet (e.g., excel)
- In preparation for the second scoring attempt re-randomize the set of photos
    - Keep track of which new numbers correspond with the old numbers
- Within a week, but at least 24 hours later) rescore the newly randomized set of photos in a different sheet of the workbook
- Unrandomize the second scoring attempt so that data corresponds to histology data
    - Order the scores by the old identifying numbers
- Compile the two scoring attempts into one spreadsheet
- Copy and paste the histology ratio column provided in the sheet below into the spreadsheet
    - 1.1, 1.2, 1.3 … corresponds to training set one picture 1, 2, and 3 etc.
    - 2.1, 2.2, 2.3 … corresponds to training set two picture 1, 2, and 3 etc

Analysis

- Run analyses in statistical program of preference (R, SPSS, etc)
    - Pearson's Correlation on the two scores. (Precision)
        - r>.8 (High correlation)
    - Paired T-test comparing two scoring attempts. (Bias)
        - P-value >.05 (No difference)
    - R^2 of histology ratio averaged across given score from second or last attempt. (Accuracy)
        - R^2>.95 (high explanatory value)
- If all thresholds are met, then scoring is considered both precise and accurate, and genitalia abnormality severity can be scored in experimental animals
- If failed restart process with second scoring set

**** If training attempts exceed two, the two sets can be combined and 24 random pictures can be picked from the 48*