Problem: We have duplicate C-labels in Fulcrum. These duplicate C-labels occurred because I accidentally chose labels for both the bag and the c-plate. Also, I probably took labels that were used for Hawaii2017 too. Shit!

Fixing Problem:

Step 1:

Identify c-labels that are duplicated within Hawaii2018

n = 182 / 1001

Step 2:

Merge species ID with fulcrum data and see how many duplicated C-labels are C. elegans.

N = 11 / 38 unique c-labels. These isolations will have to be paired manually with correct C-labels

Step 3: Try to identify which isolation data is paired with which C-label from photos of substrates with color strip for shipments and substrate types.

Color Chart for shipments:

**None =**  Oahu samples, first shipment

**Blue =** Samples from Volcano, manuka, SE side of island. Collections occurring from 11/3-11/5. NOT Jurrasic park trail in Kona.

**Green =** Samples from Kona and North East side of island. Collections occurring from 11/5 – 11/8. For 11/5 only Jurassic park trail samples.