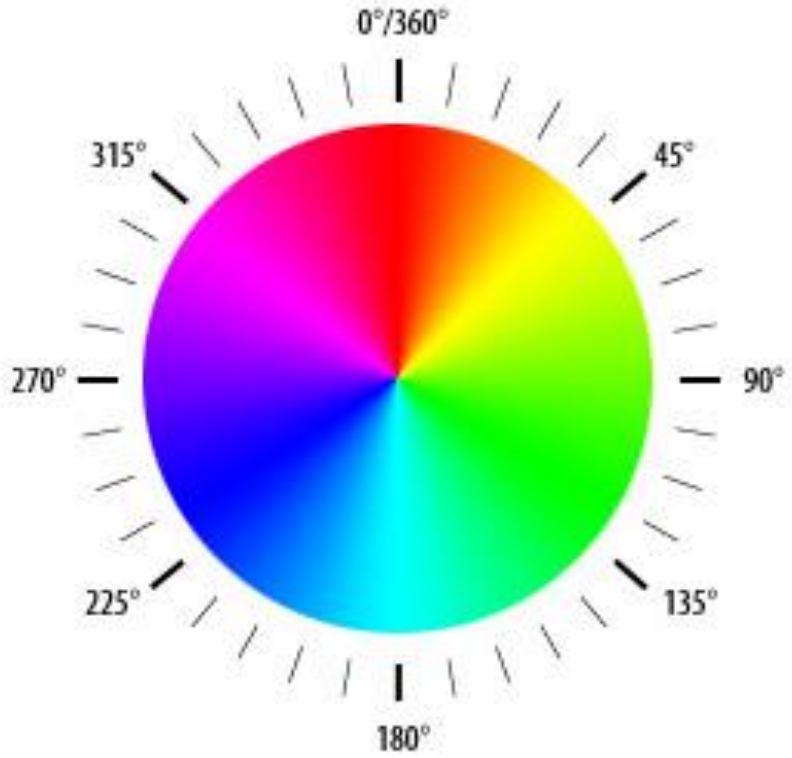
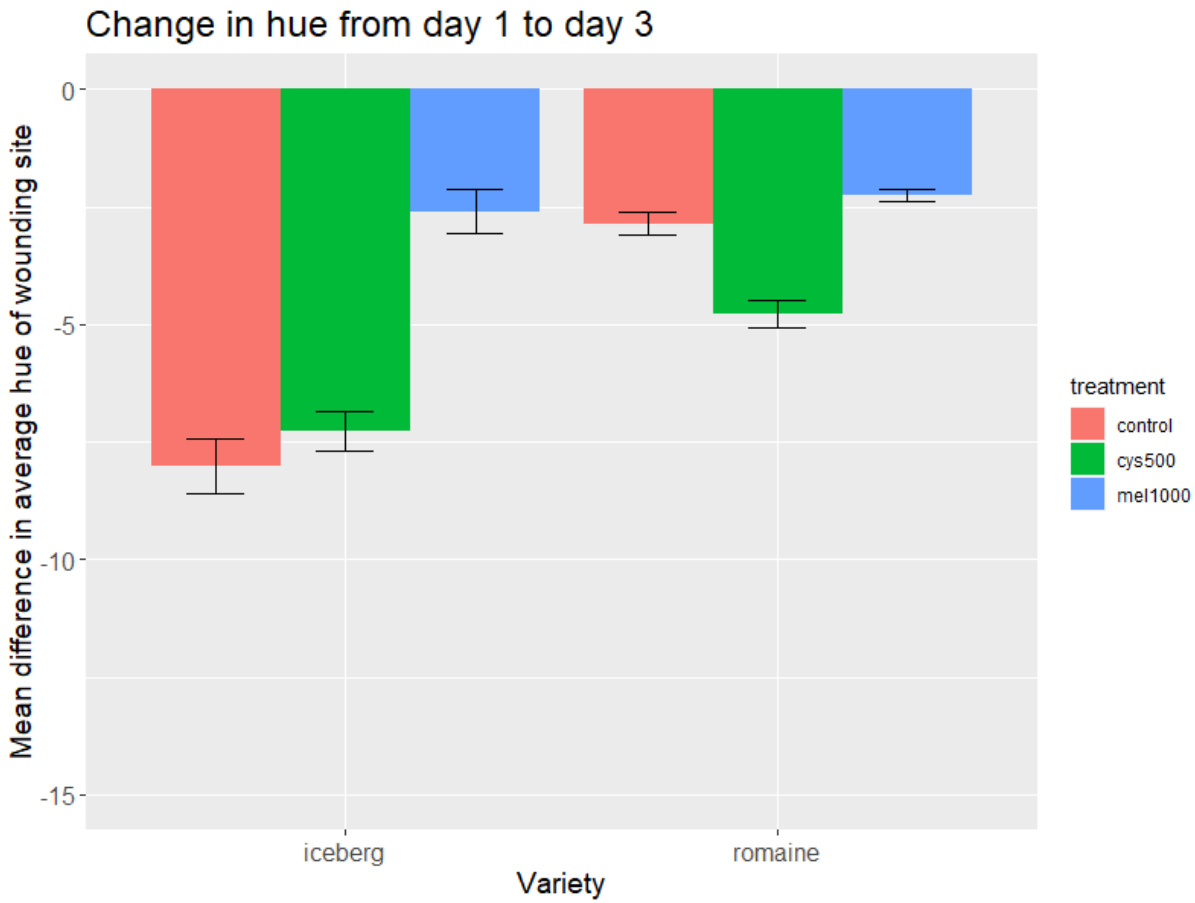
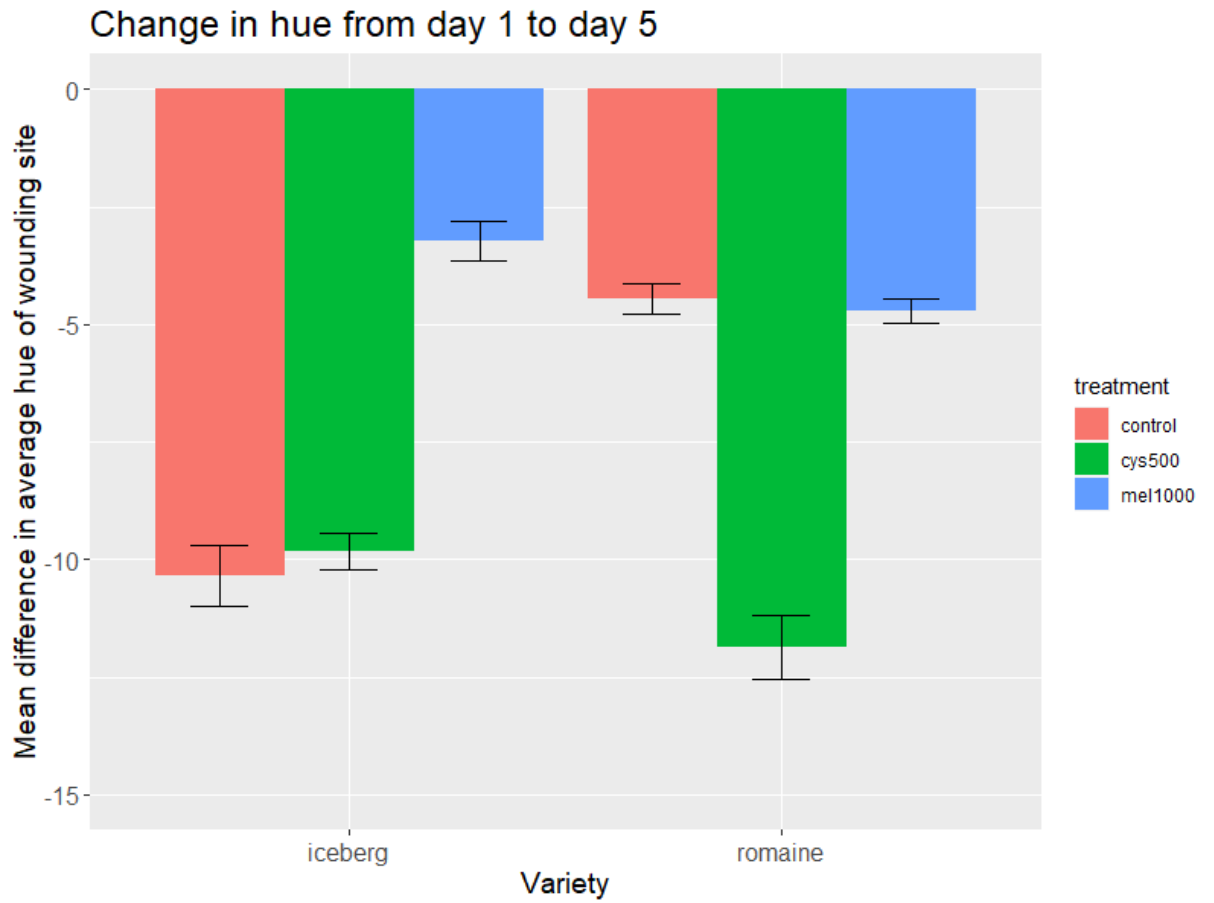
# Overview of hue method

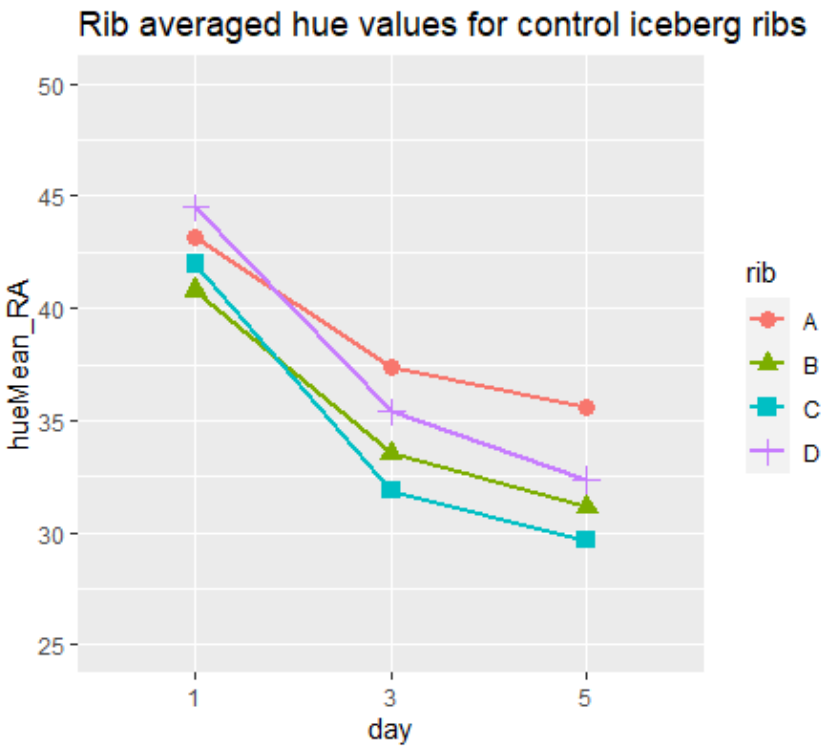
- Convert cut site image to HSV color space
  - H – hue
  - S – saturation
  - V – value
- Calculate average hue angle of pixels at/close to cut site
  - Smaller hue angle = more pink/red
  - Larger hue angle = more green

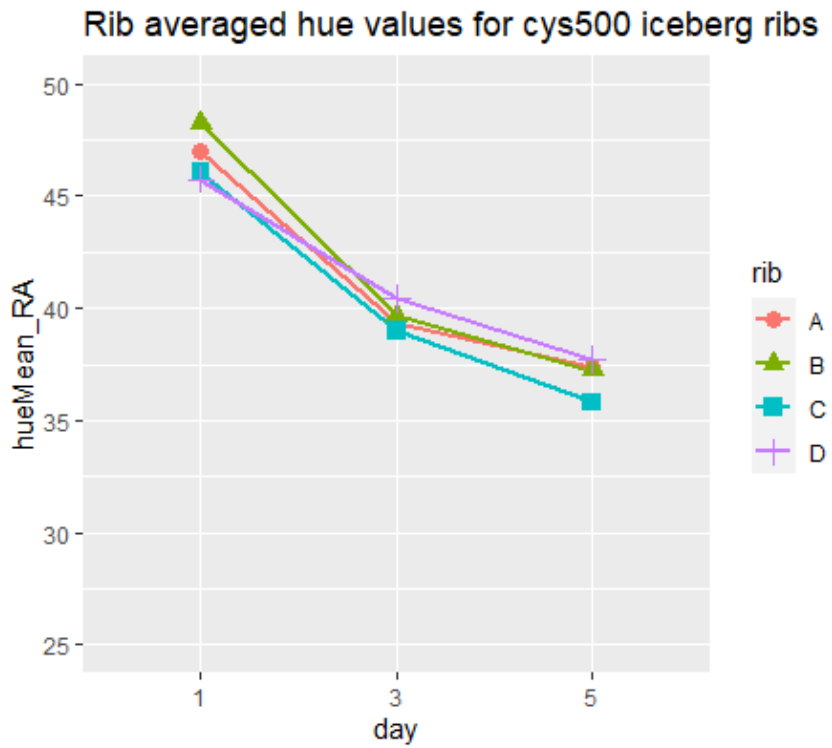
Note: all pixel hue angles ranged between 0° and ~100°

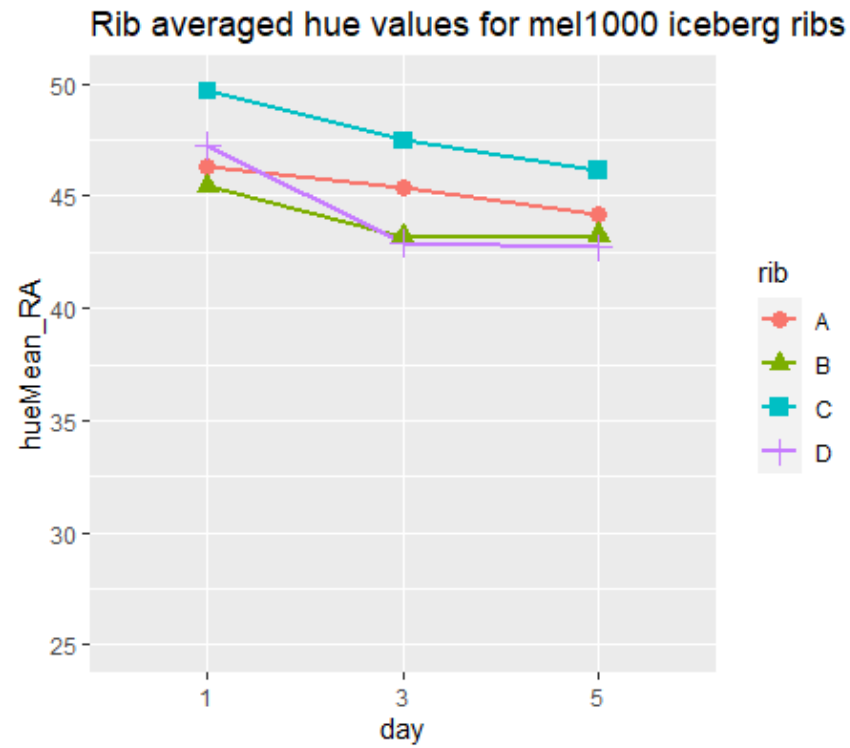



Change in hue from day 1 to day 3
Mean difference in average hue of wounding site
0
-5
-10
-15
iceberg
romaine
Variety
treatment
control
cys500
mel1000

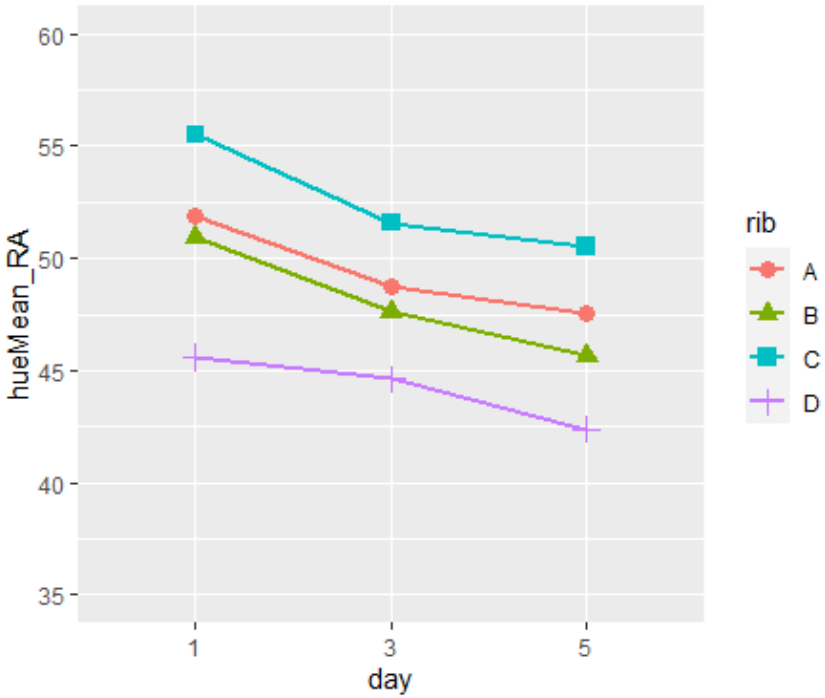

Change in hue from day 1 to day 5
Mean difference in average hue of wounding site
0
-5
-10
-15
iceberg
romaine
Variety
treatment
control
cys500
mel1000


Rib averaged hue values for control iceberg ribs
hueMean_RA
50
45
40
35
30
25
1
3
5
day
rib
A
B
C
D

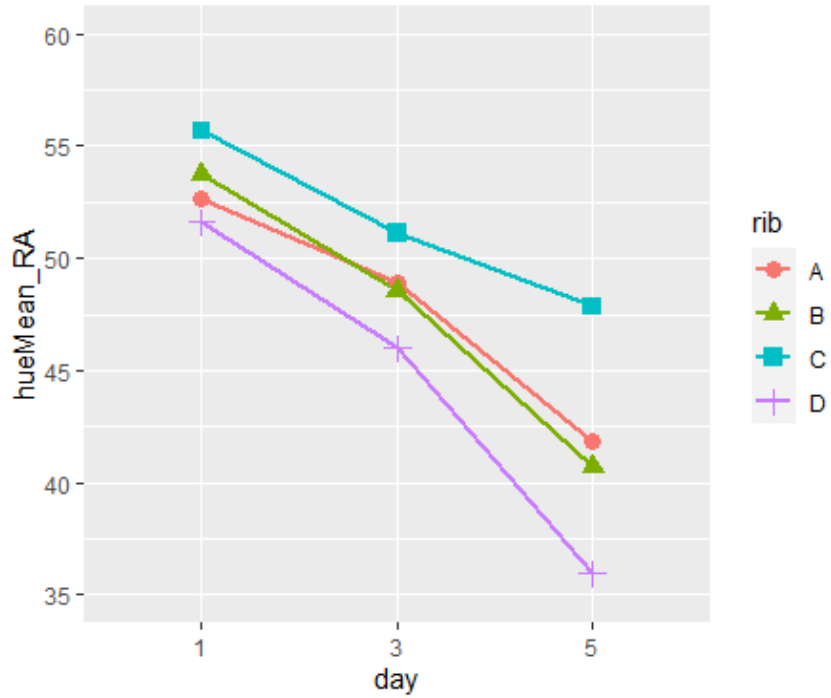

Rib averaged hue values for cys500 iceberg ribs
hueMean_RA
50
45
40
35
30
25
1
3
5
day
rib
A
B
C
D

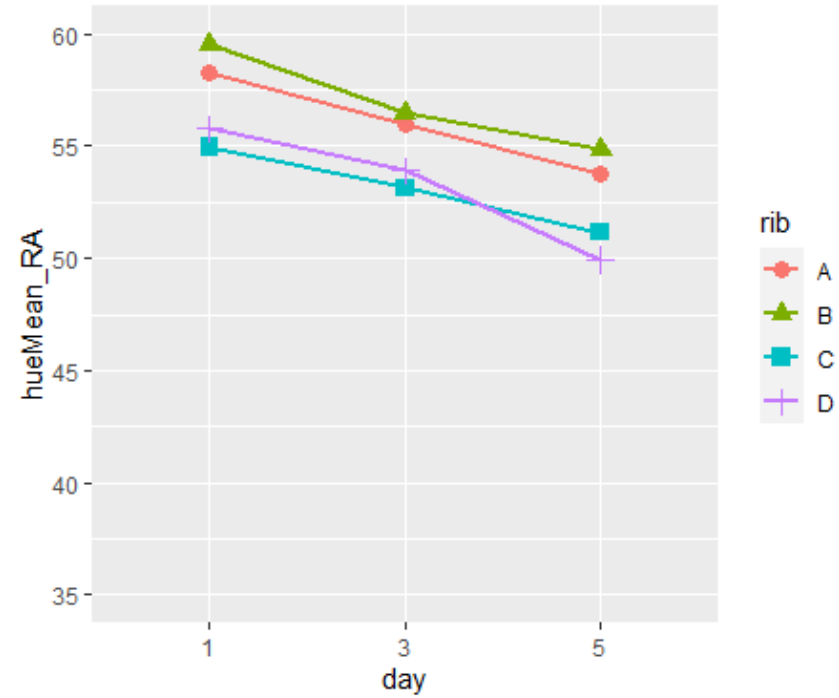

Rib averaged hue values for mel1000 iceberg ribs
hueMean_RA
50
45
40
35
30
25
1
3
5
day
rib
A
B
C
D

Rib averaged hue values for control romaine ribs




Rib averaged hue values for cys500 romaine ribs




Rib averaged hue values for mel1000 romaine ribs