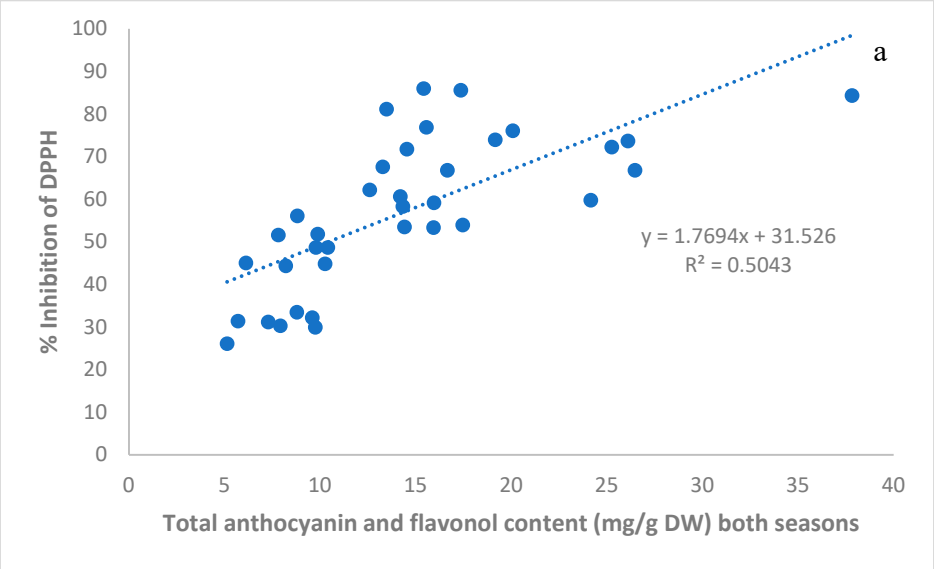


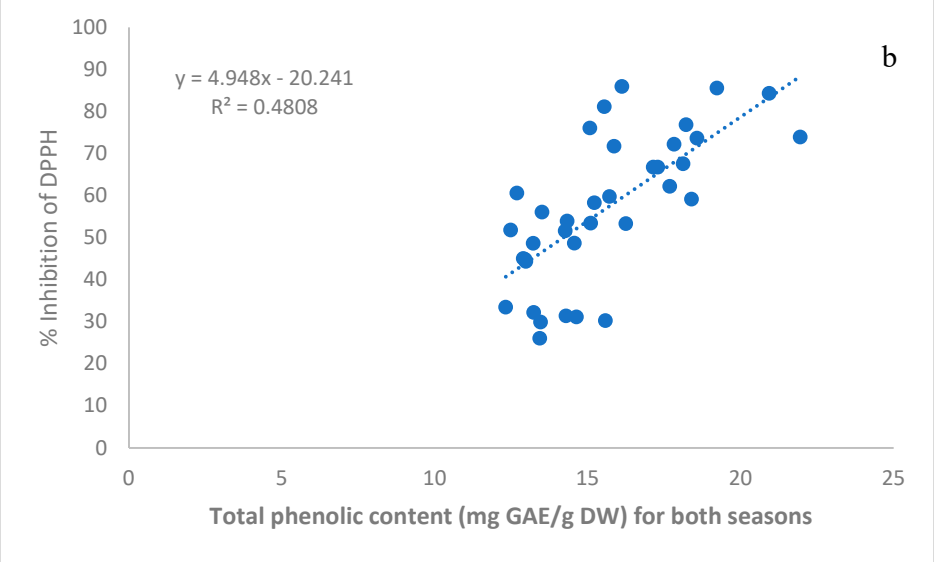
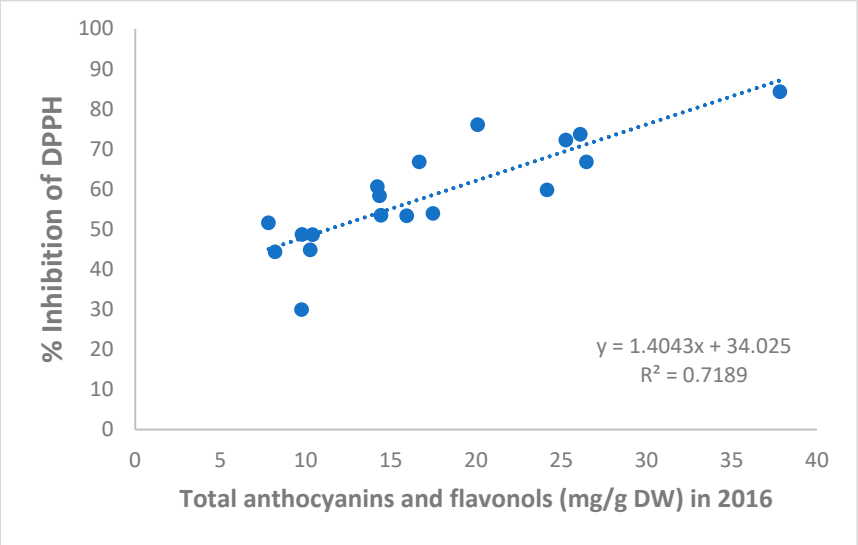
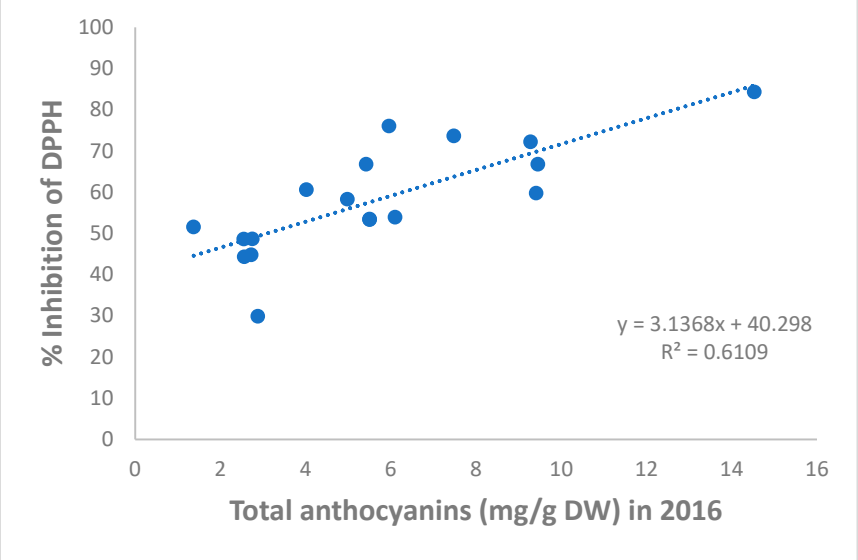


Figure S1: Linear correlation analysis data for all sample treatments, comparing antioxidant activity (% inhibition of DPPH radical) and (a) Total content of anthocyanins and flavonols, statistically significant positive correlation ($p = 0.0000021$); (b) Total phenolics content, statistically significant positive correlation ($p = 0.0000049$).


% Inhibition of DPPH
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
y = 1.4043x + 34.025
R² = 0.7189
Total anthocyanins and flavonols (mg/g DW) in 2016


% Inhibition of DPPH
100
90
80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
16
y = 3.1368x + 40.298
R² = 0.6109
Total anthocyanins (mg/g DW) in 2016

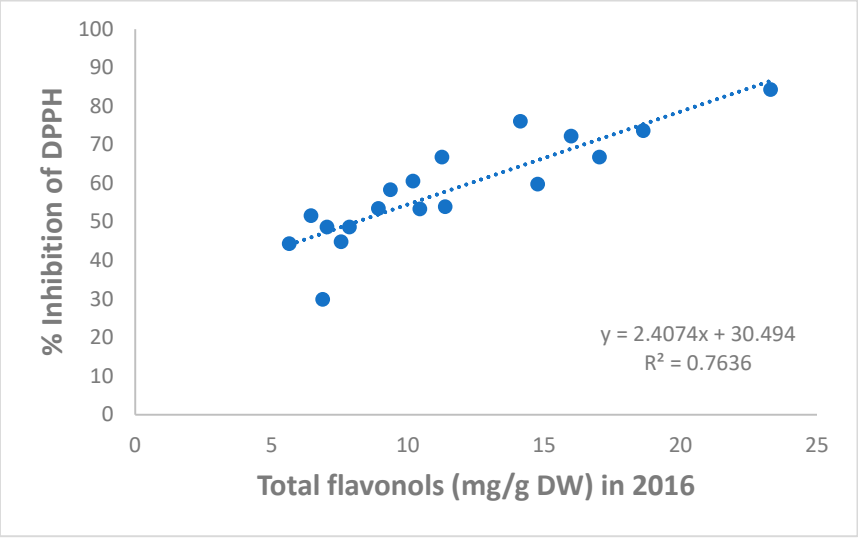

% Inhibition of DPPH
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
y = 2.4074x + 30.494
R² = 0.7636
Total flavonols (mg/g DW) in 2016

Figure S2: Linear correlation data for antioxidant activity with flavonoid content, 2016 fruit. Top: total content of anthocyanins and flavonols, significant positive correlation ($p = 0.000025$). Middle: total anthocyanins, significant positive correlation ($p = 0.00031$). Bottom: total flavonols, significant positive correlation ($p = 0.0000062$).

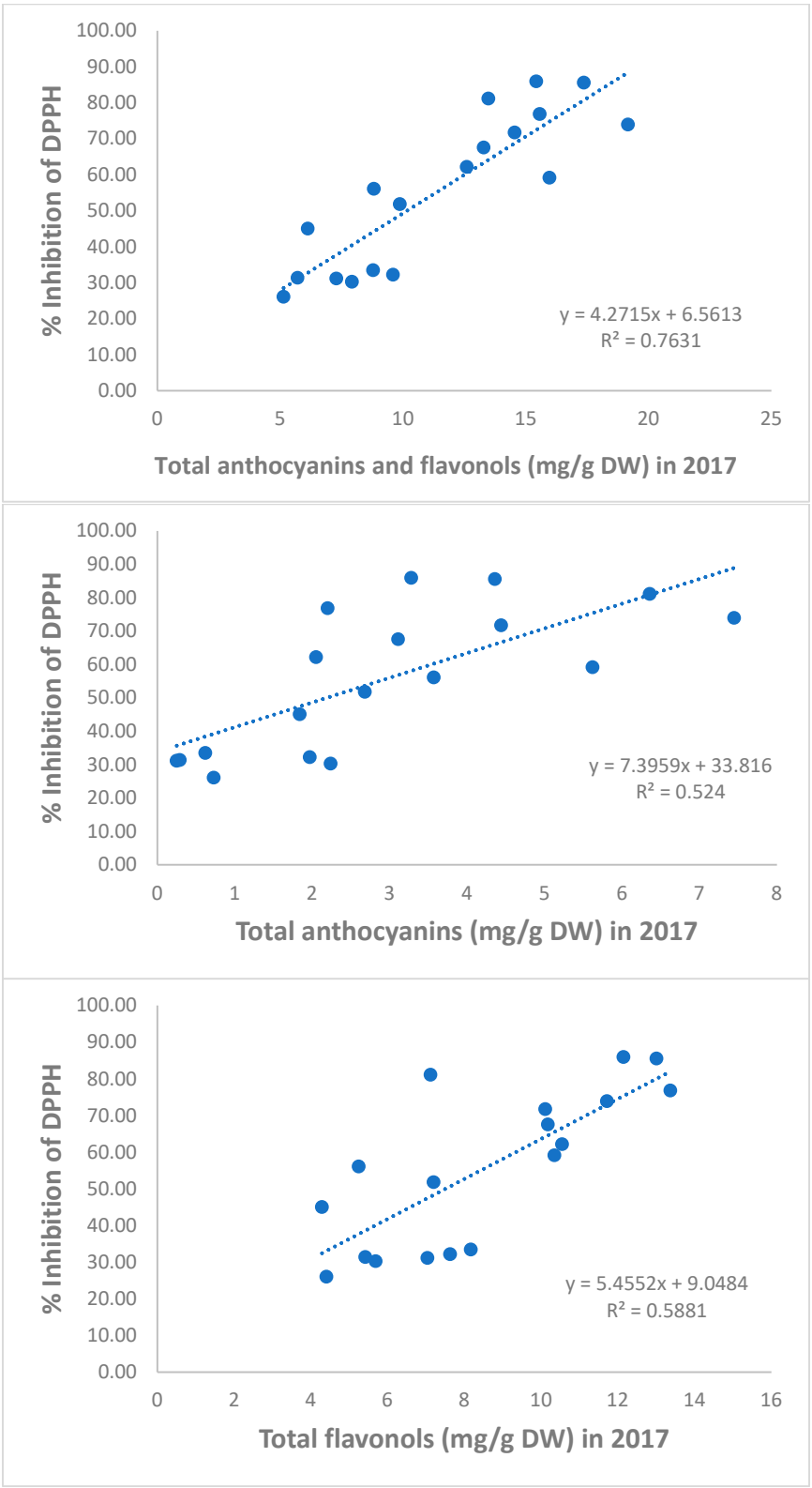


Figure S3: Linear correlation data for antioxidant activity with flavonoid content, 2017 fruit. Top: total content of anthocyanins and flavonols, significant positive correlation ($p = 0.0000027$).

Middle: total anthocyanins, significant positive correlation ($p = 0.001$). Bottom: total flavonols, significant positive correlation ($p = 0.00023$).

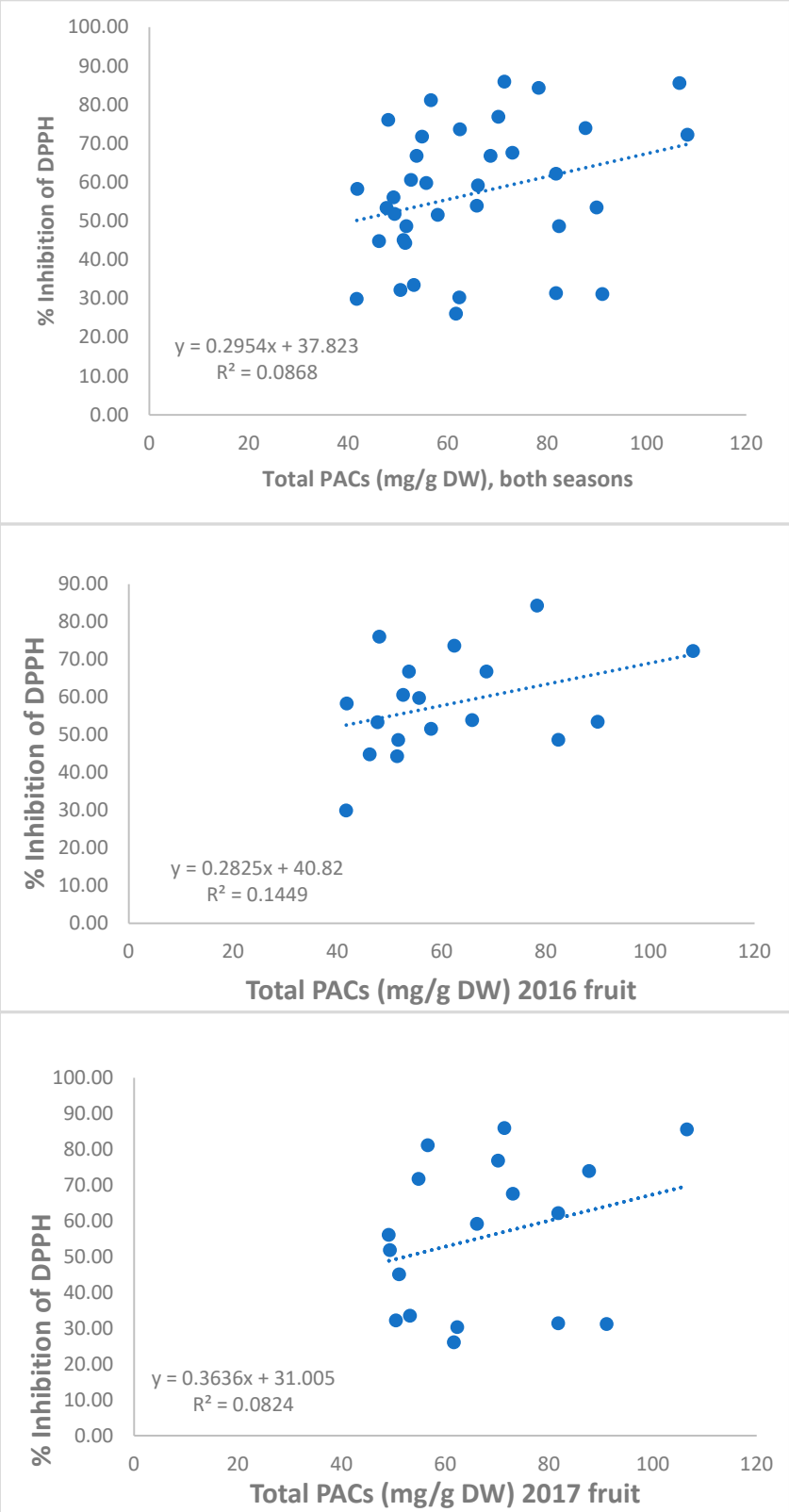


Figure S4: Linear correlation data for antioxidant activity with total PAC content. Top: All fruit treatments, no significant correlation ($p = 0.322$). Middle: 2016 fruit, no significant correlation ($p = 0.173$). Bottom: 2017 fruit, no significant correlation ($p = 0.655$).

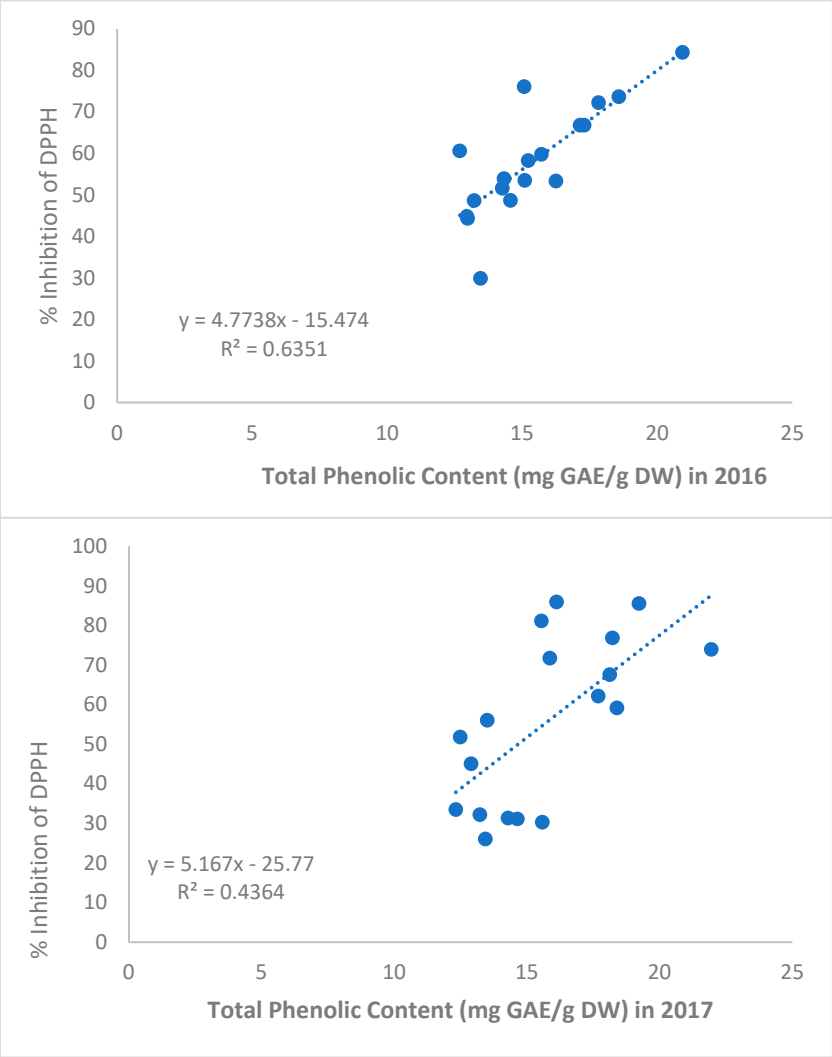


Figure S5: Linear correlation data for antioxidant activity with total phenolic content as measured by Folin-Ciocalteu assay. Top: 2016 fruit, significant positive correlation ($p = 0.000206$). Bottom: 2017 fruit, significant positive correlation ($p = 0.00587$).

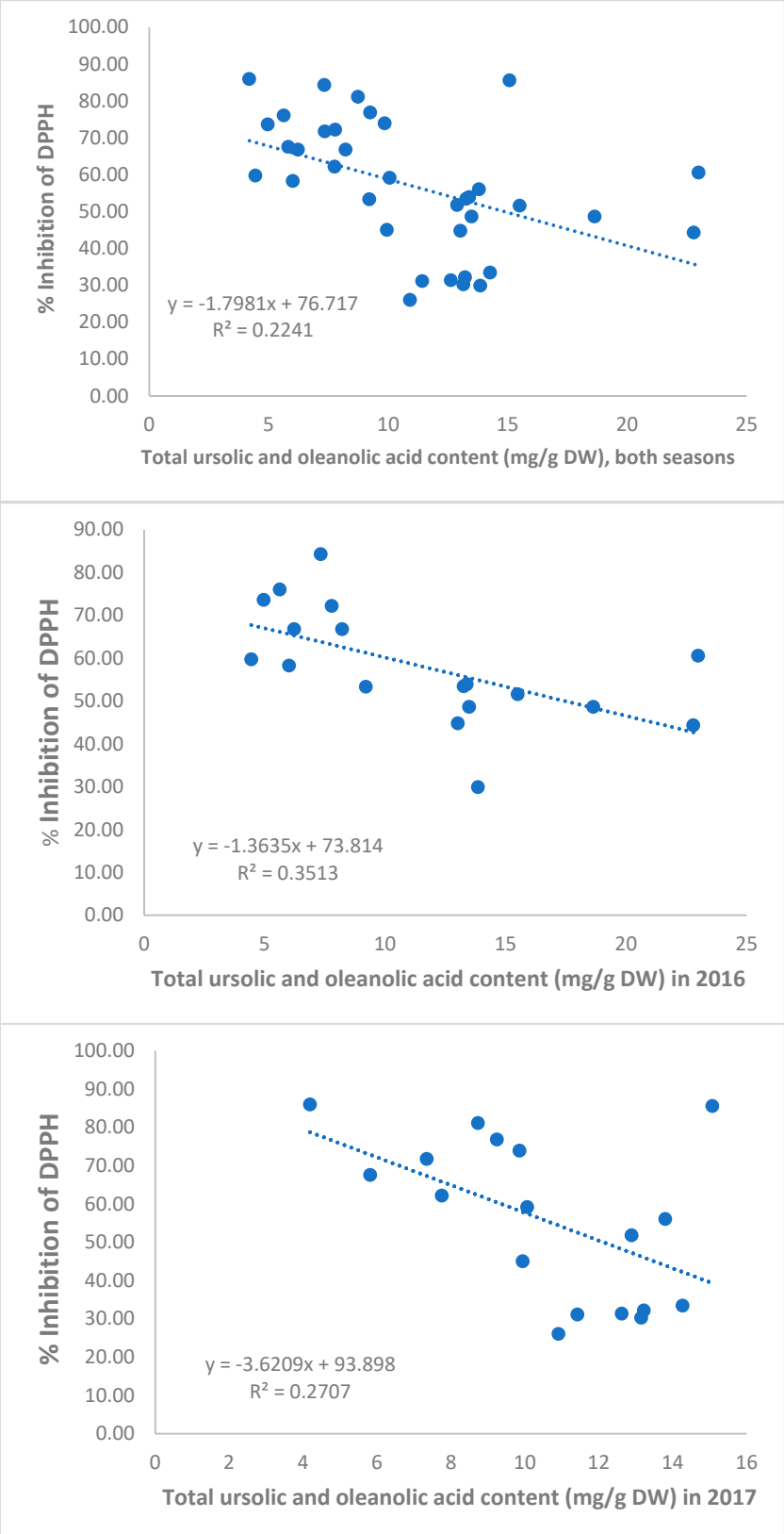


Figure S6: Linear correlation data for antioxidant activity with total content of triterpenoids ursolic and oleanolic acid. Top: All fruit treatments, significant negative correlation ($p = 0.00446$). Middle:

2016 fruit, significant negative correlation ($p = 0.0115$). Bottom: 2017 fruit, significant negative correlation ($p = 0.0456$).