

## Merlot Clonal Comparison (2015)

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### Summary:

A single block of Merlot contains 2 different clones (181 and 343). The clones were harvested identically and separately on the same day. The two lots were processed, fermented, and pressed, racked, and aged identically.

### Lab Results:

There were not many chemical differences between clones, except for ethanol being lower in 343. 343 had increased color intensity as well.

	pH	TA	VA	%EtOH	Gluc+Fruc	Malic	TSO2	FSO2
<b>181</b>	3.86	0.567	0.069	13.42	5	none	57	20
<b>343</b>	3.81	0.586	0.077	12.90	6	none	56	20

	Phenolic Fingerprint				Color	
	181	343			181	343
Tannin	1.68	1.60		<b>420</b>	0.233	0.252
Pigment	14.34	14.57		<b>520</b>	<b>0.279</b>	<b>0.422</b>
Phenolics	48.10	47.59		<b>620</b>	0.061	0.078
Pigmented Tannin	1.58	1.67		<b>Intensity</b>	0.573	0.752
Free Anthocyanins	11.71	11.79		<b>Hue</b>	0.835	0.597

### Sensory Results:

There was no significant difference ( $p < 0.05$ ) between the Control (181) and the Trial (343). Of those that correctly identified the difference between trial and control ( $n=11$ ) 18% preferred the 181 and 64% preferred the 343, and 18% had no preference.