

Supplemental Data for:

Yuan F, Schreiner RP and Qian MC. 2018.

Soil nitrogen, phosphorus, and potassium alter β -damascenone and other volatiles in Pinot noir berries.

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Supplemental Table 1 Sample scores and loading scores of principal component analysis for the first two components (PC1 and PC2, respectively).

	PC 1 (Samples)	PC 2 (Samples)		PC 1 (Variables)	PC 2 (Variables)
Ctr_12	0.848	-0.165	Hexanal	0.35	-0.801
75N_12	0.988	0.192	(<i>E</i>)-2-hexenal	0.11	-0.677
50N_12	0.824	0.467	Hexanol	0.511	0.070
30N_12	0.717	0.426	(<i>Z</i>)-2-hexenal	0.519	-0.192
15N_12	1.000	1.000	(<i>E</i>)-2-hexenal	0.238	-0.0054
50P_12	0.806	-0.218	(<i>E</i>)-2-octenal	0.381	-0.951
20P_12	0.819	-0.112	1-Octen-3-ol	0.278	-0.252
0P_12	0.837	-0.601	Heptanol	0.384	-0.866
50K_12	0.825	-0.411	Free linalool	0.475	0.120
20K_12	0.858	-0.297	Octanol	0.557	0.067
0K_12	0.637	-0.034	Free α -terpineol	0.414	0.021
Ctr_13	0.065	-0.434	Free β -citronellol	0.437	0.094
75N_13	-0.090	-0.132	Free β -damascenone	0.465	0.675
50N_13	-0.294	-0.023	Geraniol	0.483	0.542
30N_13	-0.181	0.257	Hexanoic acid	0.551	-0.106
15N_13	-0.446	0.818	Free β -ionone	0.466	-0.553
50P_13	-0.325	-0.226	Benzeneethanol	0.496	-0.251
20P_13	-0.404	-0.064	Benzyl alcohol	0.448	0.038
0P_13	-0.633	-0.049	Total vitispirane	0.212	0.796
50K_13	-0.585	-0.199	Total β -damascenone	-0.106	-1.00
20K_13	-0.547	0.247	Total TDN	-0.108	0.274
0K_13	-0.593	0.035	Total β -ionone	0.415	-0.597
Ctr_14	-0.353	-0.301	Bound (<i>Z</i>)-linalool oxide	0.522	0.284
75N_14	-0.066	-0.078	Bound (<i>E</i>)-linalool oxide	0.547	0.095
50N_14	-0.287	0.066	Bound linalool	0.529	0.378
30N_14	-0.618	0.602	Bound α -terpineol	-0.012	0.994
15N_14	-0.677	0.647	Bound β -citronellol	-0.478	-0.286
50P_14	-0.641	-0.079	Bound geraniol	0.461	0.635
20P_14	-0.525	-0.407			
0P_14	-0.393	-0.325			
50K_14	-0.445	-0.175			
20K_14	-0.633	-0.107			
0K_14	-0.490	-0.319			