

Supplementary Table S1. Quantitative Terpene Data (mg/g) of Cultivars Added to Partial Least Squares Discriminant Analysis Model 3

Cultivar name	Sample (n=)	α -Pinene	β -Pinene	Myrcene	α -Phellandrene	3-Carene	α -Terpinene	Limonene ^a	trans-Ocimene	Terpinolene	Linalool	Endo-fenchyl-alcohol	α -Terpineol	Geranyl-acetate	β -Caryophyllene	α -Humulene	α -Bisabolol
Ace of Spades	3	1.2±0.1	1.8±0.3	5.4±0.3	0.7±0.1	0.6±0.1	<LOQ	5.4±0.8	3.3±0.7	13.9±1.9	0.5±0.1	0.5±0.1	0.7±0.1	0.4±0.4	1.2±0.1	0.5±0.1	ND
Ak 47	3	1.8±0.3	0.9±0.3	11.8±6.4	ND	ND	ND	1.3±0.2	0.6±0.5	ND	ND	ND	ND	ND	3.7±2.7	1.6±1.0	0.9±1.0
Blue Mazar	4	1.6±0.2	<LOQ	6.7±0.6	ND	ND	ND	ND	1.2±0.1	ND	1.2±0.3	ND	ND	ND	4.1±0.9	1.1±0.3	<LOQ
Cookies	3	ND	0.6±0.1	1.9±0.7	ND	ND	ND	4.0±0.6	ND	ND	1.9±0.7	<LOQ	<LOQ	ND	6.6±1.1	3.4±0.5	0.4±0.3
Granddaddy Purple	4	2.3±0.6	0.6±0.1	6.7±2.8	ND	ND	ND	ND	1.0±0.5	ND	1.2±0.2	ND	ND	ND	3.6±0.7	1.0±0.2	<LOQ
Hardcore Og	4	0.4±0.4	1.2±0.3	6.1±1.1	ND	ND	ND	5.9±1.9	ND	ND	2.1±0.7	0.7±0.2	0.7±0.2	ND	3.3±1.3	1.3±0.4	<LOQ
Headband	3	<LOQ	0.9±0.2	1.9±0.8	ND	ND	ND	5.7±1.3	ND	ND	1.2±0.0	0.6±0.1	ND	ND	4.5±0.9	1.8±0.3	0.9±0.2
Louis XIII Og Kush	3	<LOQ	1.0±0.3	6.7±1.2	ND	ND	ND	5.5±1.8	ND	ND	1.7±0.8	0.5±0.4	0.5±0.4	ND	2.9±0.3	1.1±0.0	<LOQ
Milky Way Og Kush	3	<LOQ	0.9±0.0	6.4±1.8	ND	ND	ND	5.1±0.2	ND	ND	1.7±0.1	0.5±0	0.5±0	ND	3.4±0.9	1.3±0.3	<LOQ
Phantom Cookies	4	ND	<LOQ	2.5±0.2	ND	ND	ND	3.2±1.0	ND	ND	1.1±0.5	<LOQ	ND	ND	6.1±1.0	3.0±0.5	<LOQ
Purple Max	4	2.1±0.4	0.6±0.1	8.1±1.5	ND	ND	ND	ND	1.4±0.2	ND	1.1±0.1	ND	ND	ND	3.5±0.4	0.9±0.1	<LOQ
Sage	3	0.4±0.3	0.9±0.1	3.0±1.6	ND	ND	ND	2.8±0.4	3.0±1.1	7.7±1.2	<LOQ	ND	<LOQ	ND	3.6±1.5	1.4±0.6	0.4±0.3
Strawberry Cough	4	1.0±0.2	0.7±0.2	7.0±2.2	ND	ND	ND	2.4±1.1	3.6±0.9	ND	1.3±0.3	ND	ND	ND	2.9±1.1	1.4±0.5	0.7±0.2
Sunset Sherbert	3	0.9±0.2	1.2±0.2	1.9±0.5	ND	ND	ND	5.5±1.7	0.6±0.2	ND	1.8±0.2	0.7±0.1	0.7±0.1	0.7±0.2	5.3±0.5	2.3±0.1	ND
Super Glue	4	ND	<LOQ	3.8±0.1	ND	ND	ND	2.8±0.7	ND	ND	<LOQ	<LOQ	ND	ND	7.7±0.5	2.4±0.1	0.9±0.0
Watermelon	3	2.5±0.8	0.7±0.2	8.6±1.9	ND	ND	ND	<LOQ	1.7±0.3	ND	1.1±0.1	ND	ND	ND	4.9±1.5	1.3±0.4	0.3±0.3
Wifi Og Kush	3	0.4±0.4	1.0±0.4	3.1±0.8	ND	ND	ND	5.1±2.1	ND	ND	1.4±0.3	0.5±0.4	0.4±0.4	ND	2.8±0.4	1.0±0.2	ND

^aLimonene peak overlaps with β -phellandrene mainly in cultivars containing α -phellandrene.

Plus or minus values indicate standard deviation.

< LOQ, less than limit of quantification (<0.4 mg/g); ND, not detected.

