Appendix D16 - A

	Dependent Variable:
	Abundance
	Saccharomyces
Constant	0.65
	t = 0.67
	p = 0.5
pH	-0.069
	t = -0.218
	p = 0.83
Glucose	-0.036
	t = -2.14
	p = 0.04**
Sucrose	-0.0104
	t = -1.24
	p = 0.227
Acetic_acid	-0.0845
	t = -2.0192
	p = 0.0544*
D_gluconic	0.0887
	t = 1.2209
	p = 0.2336
Succinic acid	1.7153
	t = 1.1801
	p = 0.2491
Observations	32
R²	0.40
Adjusted R²	0.25
Residual Std. Error (df = 25)	0.12
F Statistic (df = 6; 25)	**2.7215****

Note: *p<0.1; **p<0.05; ***p<0.01

Model:

lmer_sacc <- lm(Abundance (*Saccharomyces*) ~ pH + glucose1 + sucrose1 + Acetic_acid1 + D_gluconic1 + Succinic_acid1, data = Mixed_Data_sac)

Appendix D16 - B

	Dependent Variable:
	Abundance
	Gluconobacter
Constant	-0.04
	t = -0.44
	p = 0.68
Sucrose	0.01
	t = 3.61
	p = 0.01***
Glucose	-0.10
	t = -3.17
	p = 0.02**
Fructose	0.14
	t = 3.62
	p = 0.01***
Succinic_acid	-1.57
	t = -2.98
	p = 0.02**
Acetic_acid	0.21
	t = 1.84
	p = 0.11
Observations	14
R²	0.68
Adjusted R²	0.48
Residual Std. Error (df = 8)	0.03
F Statistic (df = 5; 8)	**3.41***

Note: Overall model showed no statistical significance (p = 0.14)

*p<0.1; **p<0.05; ***p<0.01

Model:

gluco_lm <- lm(Abundance ~ sucrose1 + glucose1 + Fructose1 + Succinic_acid1 + Acetic_acid1, data = Gluco_Data)

Appendix D16 - C

	Dependent Variable:
	Abundance
	Saccharomyces
Constant	0.84
	t = 1.61
	p = 0.15
Sucrose	0.002
	t = 0.13
	p = 0.90
Fructose1	0.12
	t = 0.47
	p = 0.65
Glucose1	-0.14
	t = -0.54
	p = 0.61
D_gluconic acid	1.77
	t = 1.58
	p = 0.16
Succinic_acid	-3.44
	t = -1.11
	p = 0.30
Observations	14
R²	0.52
Adjusted R²	0.21
Residual Std. Error	0.18 (df = 8)
F Statistic	1.71 (df = 5; 8)

Note: Overall model showed no statistical significance (p = 0.44) *p<0.1; **p<0.05; ***p<0.01

Model:

sacc_lm <- lm(Abundance ~ sucrose1+Fructose1+glucose1+D_gluconic1+ Succinic_acid1, data = saccharo_Data)