

**Table 1.** Two-way ANOVA to access the statistical significance of the differences of aw in all four plots. Results showed a significant effect of terroir and no effect of farming system on aw.

Univariate tests of significance: effect sizes and powers for aw					
	SS	Degree of freedom	MS	F	p
Intercept	30.87867	1	30.87867	1119697	0.000000
Terroir	0.01340	1	0.01340	486	0.000000
Farming system	0.00001	1	0.00001	0	0.598564
Error	0.00091	33	0.00003		

**Table 2.** Summary of general linear model using the metabolic diversity (H Met).as dependent variables.

Dependent variable: metabolic diversity (std. error of estimate: .0344633)					
	SS	Degree of freedom	MS	F	p
Intercept	0.109198	1	0.109198	15.9089	0.000348
aw	0.564576	1	0.564576	82.2521	0.000000
Farming system	0.772255	1	0.772255	112.5085	0.000000
Error	0.226511	33	0.006864		
Dependent variable: AWCD (std. error of estimate: .1093267)					
	SS	Degree of freedom	MS	F	p
Intercept	1.079943	1	1.079943	83.8807	0.000000
aw	1.385928	1	1.385928	107.6470	0.000000
Farming system	2.588905	1	2.588905	201.0839	0.000000
Error	0.424867	33	0.012875		
Dependent variable: Log UFC LT (std. error of estimate: .0555605)					
	SS	Degree of freedom	MS	F	p
Intercept	0.599293	1	0.599293	128.1160	0.000000
aw	1.726124	1	1.726124	369.0083	0.000000
Farming system	0.477038	1	0.477038	101.9804	0.000000
Error	0.154365	33	0.004678		
Dependent variable: Log UFC LB-10 (std. error of estimate: .0608063)					
	SS	Degree of freedom	MS	F	p
Intercept	0.572928	1	0.572928	94.8521	0.000000
aw	1.681162	1	1.681162	278.3278	0.000000
Farming system	0.476483	1	0.476483	78.8850	0.000000
Error	0.199327	33	0.006040		

Average well color development (AWCD), LT population and 10 diluted LB population as categorical predictors (terroir) and water activity (aw) as continuous predictors. The univariate tests of significance showed a significant effect of aw over the dependent variables. The farming system also added a smaller but still significance effect over the majority of the depend variables.