

Ceriani-Nakamurakare E., Ramos S., Robles C.A., Novas M.V., D'Jonsiles M.F., Gonzalez-Audino P., Carmarán C. (2018). Metagenomic approach of associated fungi with *Megaplatypus mutatus* (Coleoptera: Platypodinae). *Silva Fennica* vol. 52 no. 3 article id 9940.
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Supplementary file S6. Output from Generalized linear mixed model fit by maximum likelihood- R Software, from six sample-dataset and locations-dataset.

Six sample-Dataset

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod].

Family: poisson (log). Formula: OTUs ~ Fsitio + (1 | Farbol). Data: dat.

AIC	BIC	logLik	deviance	df.resid
38.5	37.7	-15.3	30.5	2

Scaled Residuals:

Min	1Q	Median	3Q	Max
-0.3313	0.0000	0.0000	0.0000	0.3313

Random Effects:

Groups Name	Variance	Std. Dev.
F arbol (Intercept)	0	0

Number of obs: 6, groups: Farbol, 2.

Fixed Effects:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	2.99573	0.15811	18.947	< 2e-16 ***
Fsitio 2	0.61519	0.19625	3.135	0.00172 **
Fsitio 3	0.02469	0.22224	0.111	0.91153

Signif. codes: ***= 0 ; **= 0.001; *= 0.01; .= 0.05; 0.1; 1.

Correlation of Fixed Effects:

	(Intr)	Fsitio 2
Fsitio 2	-0.806	
Fsitio 3	-0.711	0.573

Multiple Comparisons of Means: Tukey Contrasts

Fit: glmer (formula = OTUs ~ Fsitio + (1 | Farbol), data = dat, family = poisson).

Linear Hypotheses:

	Estimate	Std. Error	z Value	Pr(> z)
2 - 1 == 0	0.61519	0.19625	3.135	0.00492 **
3 - 1 == 0	0.02469	0.22224	0.111	0.99319
3 - 2 == 0	-0.59049	0.19469	-3.033	0.00680 **

Signif. codes: ***= 0 ; **= 0.001; *= 0.01; .= 0.05; 0.1; 1.

(Adjusted p values reported -- single-step method).

Locations-Dataset

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod].

Family: poisson (log). Formula: Taxa ~ Fsitio + (1 | Farbol). Data: dat.

AIC	BIC	logLik	deviance	df.resid
31.8	30.9	-11.9	23.8	2

Scaled Residuals:

Min	1Q	Median	3Q	Max
-0.4083	-0.1286	0.0000	0.1286	0.4083

Random Effects:

Groups Name	Variance	Std. Dev.
F arbol (Intercept)	0	0

Number of obs: 6, groups: Farbol, 6.

Fixed Effects:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	2.14007	0.24254	8.824	< 2e-16 ***
Fsitio 2	0.05716	0.3382	0.169	0.866
Fsitio 3	-0.34831	0.37704	-0.924	0.356

Signif. codes: ***= 0 ; **= 0.001; *= 0.01; .= 0.05; 0.1; 1.

Correlation of Fixed Effects:

	(Intr)	Fsitio 2
Fsitio 2	-0.717	
Fsitio 3	-0.643	0.461

Multiple Comparisons of Means: Tukey Contrasts

Fit: glmer (formula = OTUs ~ Fsitio + (1 | Farbol), data = dat, family = poisson).

Linear Hypotheses:

	Estimate	Std. Error	z Value	Pr(> z)
2 - 1 == 0	0.05716	0.33820	0.169	0.984
3 - 1 == 0	-0.34831	0.37704	-0.924	0.625
3 - 2 == 0	-0.40547	0.37268	-1.088	0.521

Signif. codes: ***= 0 ; **= 0.001; *= 0.01; .= 0.05; 0.1; 1.

(Adjusted p values reported -- single-step method).