



University of Guam Coconut Rhinoceros Beetle Biological Control Project
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<https://github.com/aubreymoore/rearing3>

Bioassay Report: PNGperOS

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<https://github.com/aubreymoore/rearing3/raw/master/bioassay-PNGperOS.pdf>

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1 Summary

Table 1: Bioassay summary.

	bioassay_name	date_start_bioassay	date_end_bioassay	bioassay_treatment	N
0	PNGperOS-1	2019-04-03	2019-05-03	control	7
1	PNGperOS-1	2019-04-03	2019-05-03	heat-inactivated	7
2	PNGperOS-1	2019-04-03	2019-05-03	virus	7

Summary not available for "PNGperOS"

2 Mortality

Table 2: Mortality summary.

	bioassay_treatment	ntotal	ndead	mortality	adjusted_mortality	significance
0	control	7	1	0.142857	0.0	1.0
1	heat-inactivated	7	1	0.142857	0.0	1.0
2	virus	7	1	0.142857	0.0	1.0

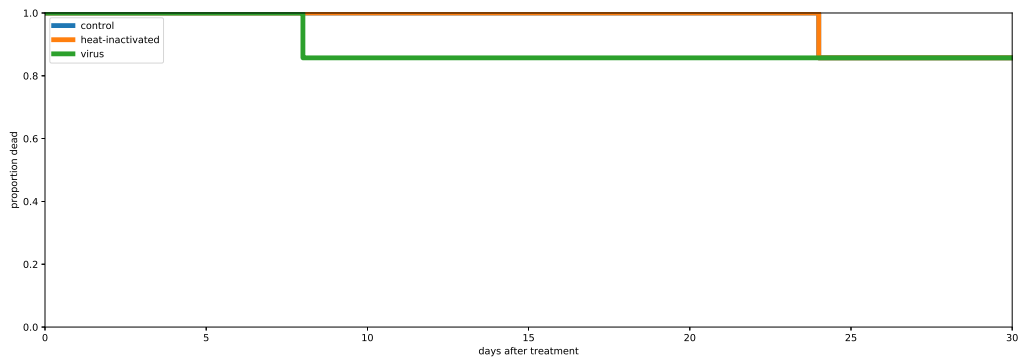


Table 3: Pairwise differences among mortality curves.

		test_statistic	p
control	heat-inactivated	0.000000	1.000000
	virus	0.002967	0.956558
heat-inactivated	virus	0.002967	0.956558

3 Change in Mass

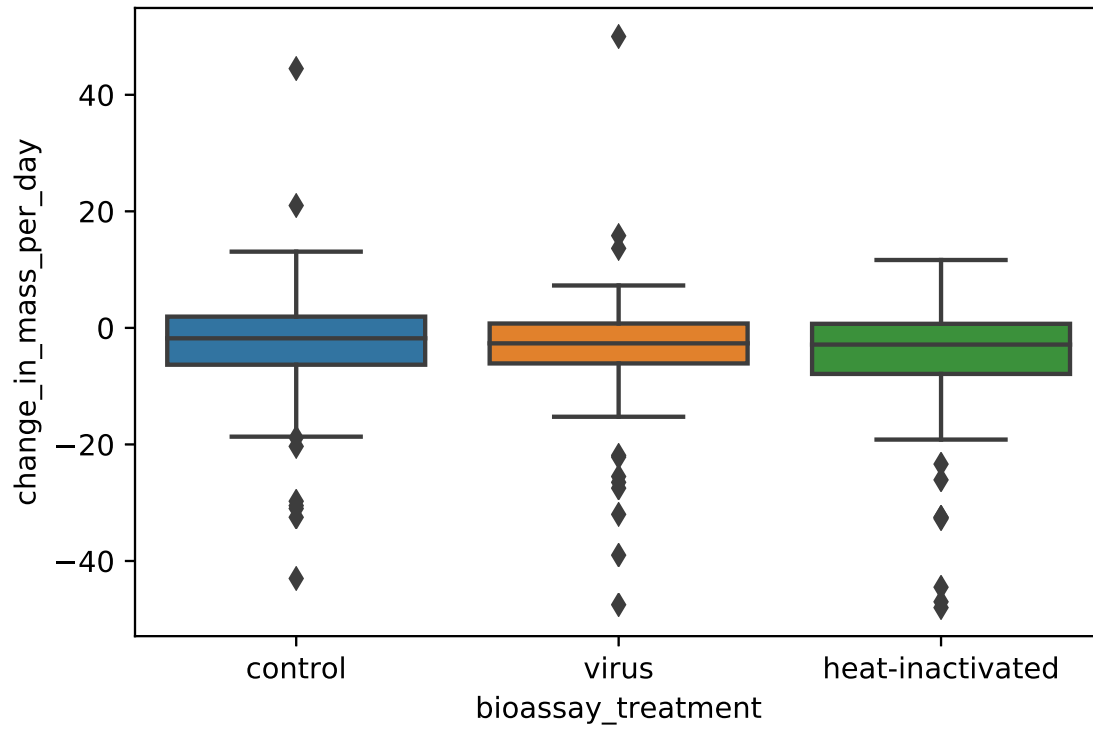


Table 4: Results of pairwise significance tests for differences in change in mass.

	control	heat-inactivated	virus
control	-1.000000	0.868855	1.0
heat-inactivated	0.868855	-1.000000	1.0
virus	1.000000	1.000000	-1.0

4 Post Mortem Images

4.1 virus



Figure 1: Bioassay: PNGperOS-1; Treatment: virus; Beetle ID: 1421