



University of Guam Coconut Rhinoceros Beetle Biological Control Project

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<https://github.com/aubreymoore/rearing3>

# Bioassay Report: V23B\_perOSIN

Aubrey Moore and James J. Grasela

University of Guam Coconut Rhinoceros Beetle Biocontrol Project

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[https://github.com/aubreymoore/rearing3/raw/master/bioassay-V23B\\_perOSIN.pdf](https://github.com/aubreymoore/rearing3/raw/master/bioassay-V23B_perOSIN.pdf)

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## 1 Summary

Summary not available for "V23B\_perOSIN"

## 2 Mortality

Table 1: Mortality summary.

	bioassay_treatment	ntotal	ndead	mortality	adjusted_mortality	significance
0	control	6	0.0	0.0	0.0	1.000000
1	heat-inactivated	5	0.0	0.0	0.0	1.000000
2	virus	5	3.0	0.6	0.6	0.060606

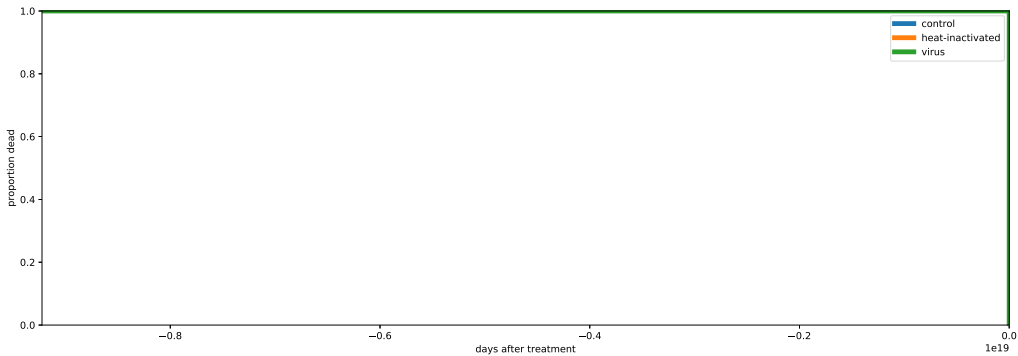


Table 2: Pairwise differences among mortality curves.

		test_statistic	p
control	heat-inactivated	0.0	1.0
	virus	0.0	1.0
heat-inactivated	virus	0.0	1.0

### 3 Change in Mass

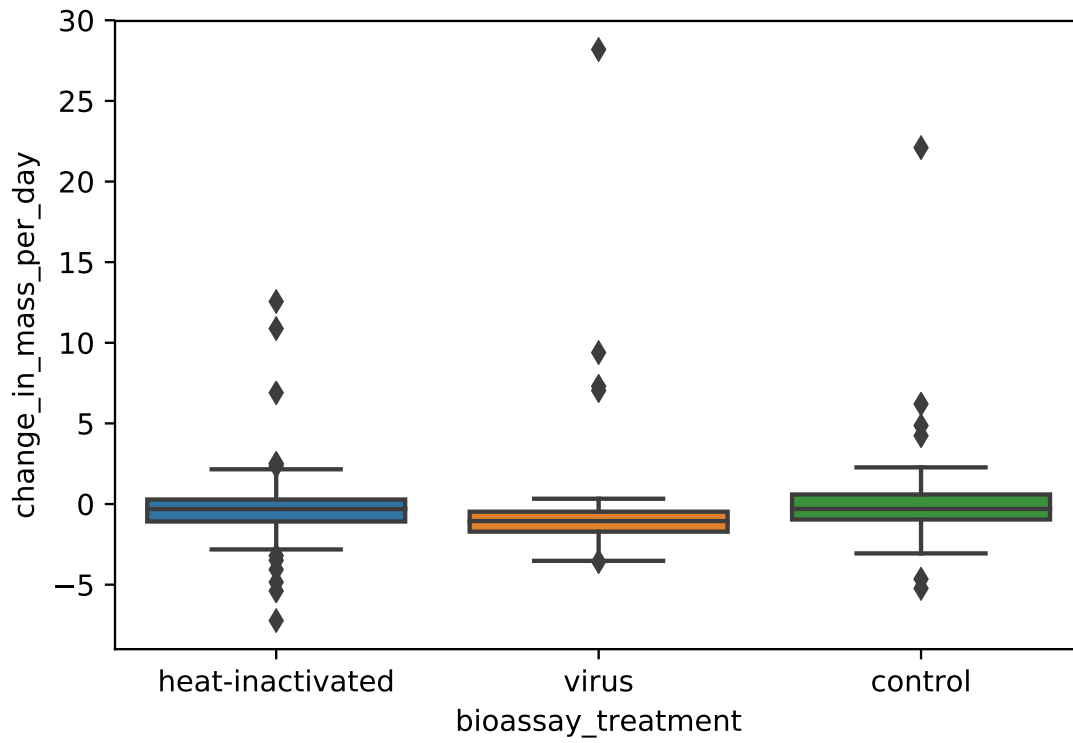


Table 3: Results of pairwise significance tests for differences in change in mass.

	control	heat-inactivated	virus
control	-1.000000	0.416988	0.001454
heat-inactivated	0.416988	-1.000000	0.013173
virus	0.001454	0.013173	-1.000000

## 4 Post Mortem Images

### 4.1 heat-inactivated



Figure 1: Bioassay: V23B\_perOSIN-1; Treatment: heat-inactivated; Beetle ID: 1469



Figure 2: Bioassay: V23B\_perOSIN-1; Treatment: heat-inactivated; Beetle ID: 1475



Figure 3: Bioassay: V23B\_perOSIN-1; Treatment: heat-inactivated; Beetle ID: 1480



Figure 4: Bioassay: V23B\_perOSIN-1; Treatment: heat-inactivated; Beetle ID: 1485



## 4.2 virus



Figure 5: Bioassay: V23B\_perOSIN-1; Treatment: virus; Beetle ID: 1471



Figure 6: Bioassay: V23B\_perOSIN-1; Treatment: virus; Beetle ID: 1473



Figure 7: Bioassay: V23B\_perOSIN-1; Treatment: virus; Beetle ID: 1481



Figure 8: Bioassay: V23B\_perOSIN-1; Treatment: virus; Beetle ID: 1490

#### 4.3 control



Figure 9: Bioassay: V23B\_perOSIN-1; Treatment: control; Beetle ID: 1472



Figure 10: Bioassay: V23B\_perOSIN-1; Treatment: control; Beetle ID: 1474





Figure 11: Bioassay: V23B\_perOSIN-1; Treatment: control; Beetle ID: 1477



Figure 12: Bioassay: V23B\_perOSIN-1; Treatment: control; Beetle ID: 1487





Figure 13: Bioassay: V23B\_perOSIN-1; Treatment: control; Beetle ID: 1491