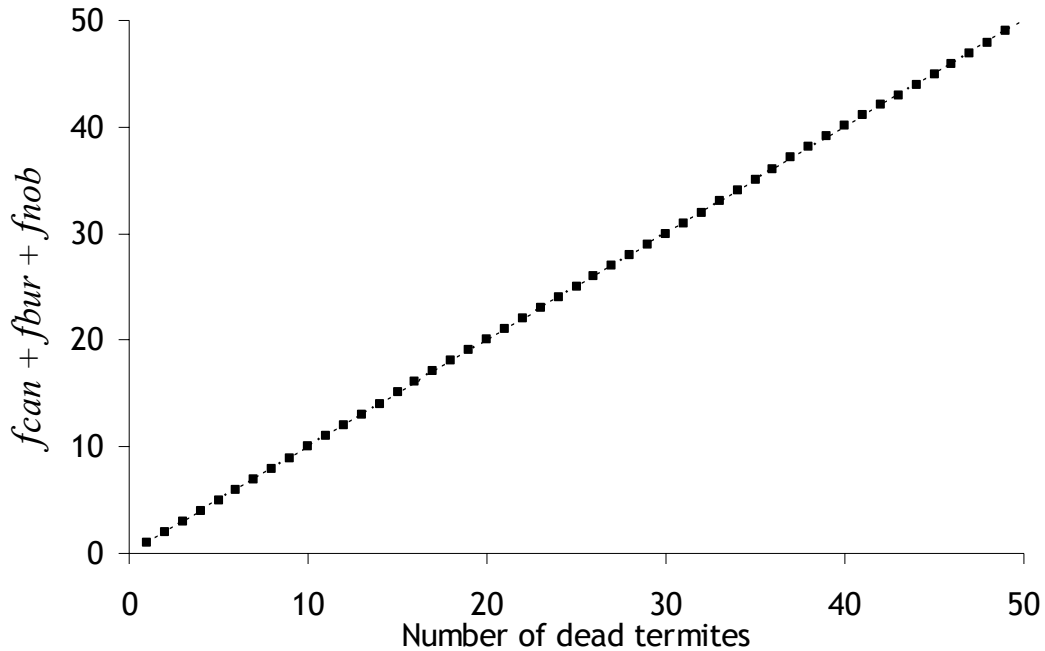**Dataset S6.** Confirmation of the validity of the curve fitting analysis.

The curve fitting analysis was considered valid for the three dependent variables if the following requirement was fulfilled, where **dead** is the total number of dead termites:

$$f_{can} + f_{bur} + f_{nob} = dead$$

Fitting target of sum of squared absolute error = 0.18440

Fit statistics

Degrees of freedom (error): 49
Degrees of freedom (regression): 1
R-squared: 0.99998
R-squared adjusted: 0.99998
Model F-statistic: 2710347.21296
Model F-statistic p-value: $<1e^{-16}$
Model log-likelihood: 69.119248
AIC: -2.68476
BIC: -2.60828
RMSE: 0.06072

Absolute error

Minimum: -0.19635
Maximum: 0.12546
Mean: $-1.752e^{-08}$
Std. Err. of Mean: 0.00867
Median: 0.00185
Variance: 0.00369
Std. Deviation: 0.06072
Pop. Variance: 0.00369
Pop. Std. Dev.: 0.06072
Skew: -0.37649
Kurtosis: 0.60947

$f_{can} + f_{bur} + f_{nob} = dead$ at all given points, thus the curve fitting analysis was validated.