**Statistical Results**

**Model**:

Log(µ) = Temperature + pH + Time + Temperature : pH + Temperature : Time + Time : pH + Temperature : pH : Time + offset(log(NLA))+ ε.

NCn = number of *C. nobilii* larvae, NCn ~Po(µ)

NLA=number of *A. aegypti* larvae.

AIC (Coeficiente de Akaike) 649.5; BIC (Bayesian Akaike information criterion) 692.8; logLik (log likelihood of the model) -305.8.

The scaled residuals: Min -1.623; 1Q -0.3868; Median -0.033; 3Q 0.2554

**Random Effects**

Individual Observations (Intercept) with Variance of 0.01199 and standard deviation of 0.1095

**Fixed effects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Estimate** | **S. E** | **z value** | **p-value** |
| **(Intercept)** | 2.02 | 0.061 | 33.302 | < 2e-16 |
| **Temperature18** | 0.41 | 0.100 | 4.112 | 3.92E-05 |
| **Temperature28** | -0.44 | 0.107 | -4.104 | 4.07E-05 |
| **pH7** | -0.15 | 0.086 | -1.788 | 0.0737 |
| **pH9** | 0.03 | 0.084 | 0.313 | 0.7540 |
| **Time24** | 0.19 | 0.082 | 2.372 | 0.0177 |
| **Temperature18:pH7** | 0.24 | 0.141 | 1.703 | 0.0886 |
| **Temperature28:pH7** | 0.64 | 0.148 | 4.347 | 1.38E-05 |
| **Temperature18:pH9** | -0.21 | 0.141 | -1.483 | 0.1379 |
| **Temperature28:pH9** | 0.16 | 0.148 | 1.078 | 0.2812 |
| **Temperature18:Time24** | -0.32 | 0.146 | -2.206 | 0.0274 |
| **Temperature28:Time24** | -0.09 | 0.148 | -0.582 | 0.5605 |
| **pH7:Time24** | 0.01 | 0.117 | 0.069 | 0.9453 |
| **pH9:Time24** | -0.34 | 0.118 | -2.869 | 0.0041 |
| **Temperature18:pH7:Time24** | 0.21 | 0.200 | 1.068 | 0.2853 |
| **Temperature28:pH7:Time24** | -0.26 | 0.206 | -1.283 | 0.1994 |
| **Temperature18:pH9:Time24** | 0.70 | 0.201 | 3.498 | 0.0005 |
| **Temperature28:pH9:Time24** | 0.40 | 0.206 | 1.954 | 0.0507 |

SE: Standard Error