

Table S2. Generalized linear model comparison of the effect of net type on mosquito resting rates of Kisumu strain mosquitoes

S2A. Analysis of variance

| Source   | DF | Sum of Squares | Mean Square | F Ratio | P value |
|----------|----|----------------|-------------|---------|---------|
| Model    | 11 | 122.18         | 11.11       | 5.02    | <.0001  |
| Error    | 42 | 93.02          | 2.21        |         |         |
| C. Total | 53 | 215.19         |             |         |         |

S2B. Effect tests

| Source                  | Nparm | DF | Sum of Squares | F Ratio | P value |
|-------------------------|-------|----|----------------|---------|---------|
| Net type                | 3     | 3  | 13.10          | 1.97    | 0.1328  |
| Side of cage            | 2     | 2  | 96.46          | 21.78   | <.0001  |
| Side of cage * Net type | 6     | 6  | 16.80          | 1.26    | 0.2944  |

S2C. Parameter estimates

| Term †                                      | Estimate | t Ratio | Prob> t |
|---------------------------------------------|----------|---------|---------|
| Intercept                                   | 2.08     | 10.20   | <.0001  |
| CageSide[Far end]                           | 1.72     | 5.96    | <.0001  |
| CageSide[Left]                              | -0.15    | -0.54   | 0.5944  |
| NetType[Untreated]                          | -0.27    | -0.80   | 0.4297  |
| NetType [DuraNet]                           | 0.88     | 2.39    | 0.0212  |
| NetType [Olyset Classic]                    | -0.40    | -1.17   | 0.2493  |
| CageSide[Far end]* NetType [Untreated]      | -0.13    | -0.26   | 0.7937  |
| CageSide[Far end]* NetType [DuraNet]        | 0.66     | 1.28    | 0.2086  |
| CageSide[Far end]* NetType [Olyset Classic] | -0.44    | -0.93   | 0.3596  |
| CageSide[Left]* NetType [Untreated]         | -0.85    | -1.78   | 0.0831  |
| CageSide[Left]* NetType [DuraNet]           | 0.37     | 0.71    | 0.4813  |
| CageSide[Left]* NetType [Olyset Classic]    | 0.23     | 0.48    | 0.6364  |

† For net types, Olyset Plus was the control, for cage side, right side was the control. For untreated net type, both left and right side of the cages were untreated, for all the net types, left side was untreated net material and right wide was treated net material.