

Ivermectin-Susceptible *Anopheles*

Buffalo	Standard Ivermectin												
DPT	P-D	3/4	7/8	11/12	15/16	19/20	23/24	31/32	39/40	46/48	55/56	63/64	71/72
Chi-Square	1.60	<b>89.92</b>	<b>72.59</b>	<b>21.37</b>	11.66	1.45	5.2	0.95	14.94	2.85	1.01	2.24	0.37
P-value	0.2054	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	0.0006	0.2293	0.0226	0.3301	0.0001	0.0916	0.316	0.1348	0.5422
# Mosq	1,407	392	339	347	586	446	298	277	510	357	138	222	322

Ivermectin-Susceptible *Anopheles*

Buffalo	Long-Lasting Ivermectin												
DPT	P-D	3/4	7/8	11/12	15/16	19/20	23/24	31/32	39/40	46/48	55/56	63/64	71/72
Chi-Square	<b>9.14</b>	3.81	<b>169.4</b>	<b>129</b>	<b>313.4</b>	<b>78.52</b>	<b>123.5</b>	<b>95.05</b>	<b>101.6</b>	<b>95.92</b>	<b>8.33</b>	<b>12.93</b>	<b>24.77</b>
P-value	<b>0.0025</b>	0.051	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>0.0003</b>	<b>&lt;0.0001</b>
# Mosq	1,499	274	325	262	642	425	354	300	376	202	120	185	280

Ivermectin-Tolerant *Anopheles*

Buffalo	Standard Ivermectin												
DPT	P-D	3/4	7/8	11/12	15/16	19/20	23/24	31/32	39/40	46/48	55/56	63/64	71/72
Chi-Square	<b>15.27</b>	<b>371</b>	<b>69.22</b>	<b>6.053</b>	18.77	0.37	0.87	13.97	1.63	1.54	2.22	0.00	2.43
P-value	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>0.0139</b>	<0.0001	0.5447	0.3502	0.0002	0.202	0.2146	0.1367	0.9967	0.1194
# Mosq	4,771	1,502	1,300	620	1,818	1,252	1,321	984	983	1,163	1,203	1,867	1,986

Ivermectin-Tolerant *Anopheles*

Buffalo	Long-Lasting Ivermectin												
DPT	P-D	3/4	7/8	11/12	15/16	19/20	23/24	31/32	39/40	46/48	55/56	63/64	71/72
Chi-Square	1.82	<b>65.12</b>	<b>267.1</b>	<b>252.9</b>	<b>604.3</b>	<b>125.6</b>	<b>175.4</b>	<b>20.4</b>	<b>27.54</b>	<b>8.64</b>	<b>25.02</b>	0.35	<b>14.99</b>
P-value	0.1773	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>&lt;0.0001</b>	<b>0.0033</b>	<b>&lt;0.0001</b>	0.5521	<b>0.0001</b>
# Mosq	5,206	1,337	1,288	1,201	2,025	1,716	1,740	991	1,160	1,176	1,507	1,831	2,336

Supplemental Table 3 presents the Mantel-Cox survival curve comparison of *Anopheles* (Susceptible or Tolerant) survival 7 days post blood meal when fed on control buffalo or ivermectin-treated buffalo (Standard or Long-Lasting) at each day post treatment (DPT) time collection. All mosquitoes captured pre-dose (P-D) were combined. Comparisons that have significantly reduced survival in the treated group compared to control are in bold. # Mosq is the total number of mosquitoes captured by the control and treatment buffalo at that timepoint.