SI Table 2

**Estimate Std. Error z value Pr(>|z|)**

Gouleako virus GOLV (n =33; mainly found in *Culex nebulosus*)

Secondary\_forest - Primary\_forest == 0 0.5280 0.8825 0.598 0.9743

Agriculture - Primary\_forest == 0 0.6876 0.8567 0.803 0.9271

Camp - Primary\_forest == 0 1.5425 0.8368 1.843 0.3393

**Village - Primary\_forest == 0 2.2850 0.7857 2.908 0.0287 \*\***

Agriculture - Secondary\_forest == 0 0.1597 0.6912 0.231 0.9993

Camp - Secondary\_forest == 0 1.0145 0.6728 1.508 0.5475

**Village - Secondary\_forest == 0 1.7570 0.5976 2.940 0.0258 \*\***

Camp - Agriculture == 0 0.8549 0.6387 1.338 0.6584

**Village - Agriculture == 0 1.5974 0.5531 2.888 0.0302 \*\***

Village - Camp == 0 0.7425 0.5398 1.375 0.6345

Herbert virus HEBV (n = 42, mainly found in *Culex nebulosus*)

Secondary\_forest - Primary\_forest == 0 0.87511 0.69710 1.255 0.7129

Agriculture - Primary\_forest == 0 0.81205 0.69924 1.161 0.7684

Camp - Primary\_forest == 0 1.12481 0.72942 1.542 0.5278

**Village - Primary\_forest == 0 2.00241 0.66530 3.010 0.0213 \*\***

Agriculture - Secondary\_forest == 0 -0.06306 0.52585 -0.120 1.0000

Camp - Secondary\_forest == 0 0.24969 0.57081 0.437 0.9922

Village - Secondary\_forest == 0 1.12730 0.47560 2.370 0.1199

Camp - Agriculture == 0 0.31275 0.57330 0.546 0.9820

***Village - Agriculture == 0 1.19036 0.47411 2.511 0.0853* \***

Village - Camp == 0 0.87761 0.53111 1.652 0.4566

Cimo Rhabdovirus (n = 40; no findings in primary forest, mainly found in *Culex decens*)

Secondary\_forest - Primary\_forest == 0 17.9405 1039.1013 0.017 1.00000

Agriculture - Primary\_forest == 0 17.4639 1039.1013 0.017 1.00000

Camp - Primary\_forest == 0 16.4038 1039.1014 0.016 1.00000

Village - Primary\_forest == 0 14.8373 1039.1016 0.014 1.00000

Agriculture - Secondary\_forest == 0 -0.4766 0.3952 -1.206 0.69378

***Camp - Secondary\_forest == 0 -1.5368 0.6547 -2.347 0.09673* \***

**Village - Secondary\_forest == 0 -3.1033 0.8911 -3.482 0.00295 \*\*\***

Camp - Agriculture == 0 -1.0602 0.6694 -1.584 0.43874

**Village - Agriculture == 0 -2.6267 0.8904 -2.950 0.01802 \*\***

Village - Camp == 0 -1.5665 1.0450 -1.499 0.49468

Cavally virus CAVV (n = 30; mainly found in *Culex nebulosus*)

Secondary\_forest - Primary\_forest == 0 0.329395 0.750648 0.439 0.9921

Agriculture - Primary\_forest == 0 0.005789 0.787960 0.007 1.0000

Camp - Primary\_forest == 0 0.367899 0.837351 0.439 0.9920

***Village - Primary\_forest == 0 1.737325 0.677846 2.563 0.0751* \***

Agriculture - Secondary\_forest == 0 -0.323606 0.692784 -0.467 0.9899

Camp - Secondary\_forest == 0 0.038504 0.754410 0.051 1.0000

***Village - Secondary\_forest == 0 1.407930 0.560918 2.510 0.0857* \***

Camp - Agriculture == 0 0.362110 0.791146 0.458 0.9907

**Village - Agriculture == 0 1.731536 0.602387 2.874 0.0318 \*\***

Village - Camp == 0 1.369426 0.681085 2.011 0.2549

Cimo-phenuivirus II (no findings in village and agriculture, mainly found in *Uranotaenia spec.*)

***Secondary\_forest - Primary\_forest == 0 -2.6351 1.0884 -2.421 0.0757* \***

Agriculture - Primary\_forest == 0 -20.0109 2613.6108 -0.008 1.0000

Camp - Primary\_forest == 0 -0.7653 0.7267 -1.053 0.7803

Village - Primary\_forest == 0 -21.4366 2862.1448 -0.007 1.0000

Agriculture - Secondary\_forest == 0 -17.3758 2613.6109 -0.007 1.0000

Camp - Secondary\_forest == 0 1.8698 1.1815 1.583 0.4277

Village - Secondary\_forest == 0 -18.8015 2862.1449 -0.007 1.0000

Camp - Agriculture == 0 19.2456 2613.6108 0.007 1.0000

Village - Agriculture == 0 -1.4257 3875.9298 0.000 1.0000

Village - Camp == 0 -20.6713 2862.1448 -0.007 1.0000