Appendix

Geospatial Health #676

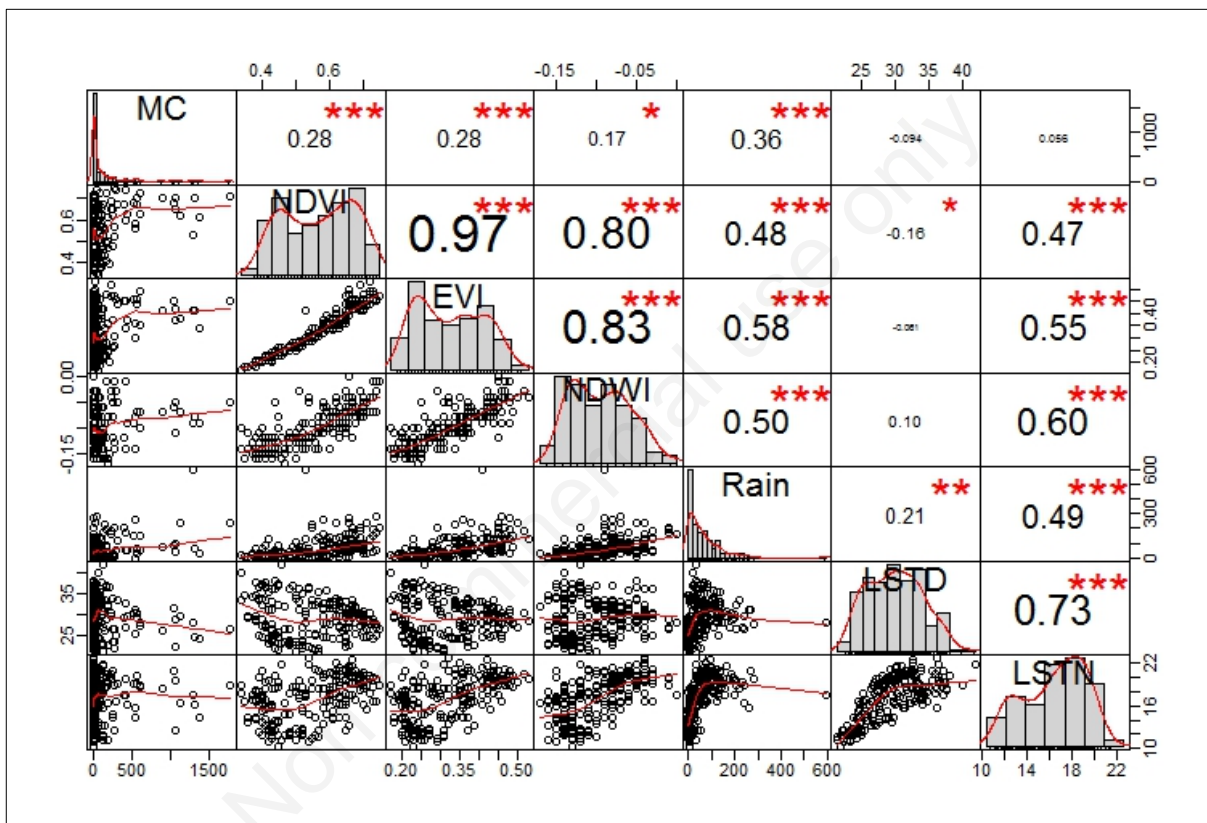**Predicting malaria cases using remotely sensed environmental variables in Nkomazi, South Africa**

Figure S1. Spearman's correlation analysis between the number of monthly malaria case counts. MC, malaria cases.
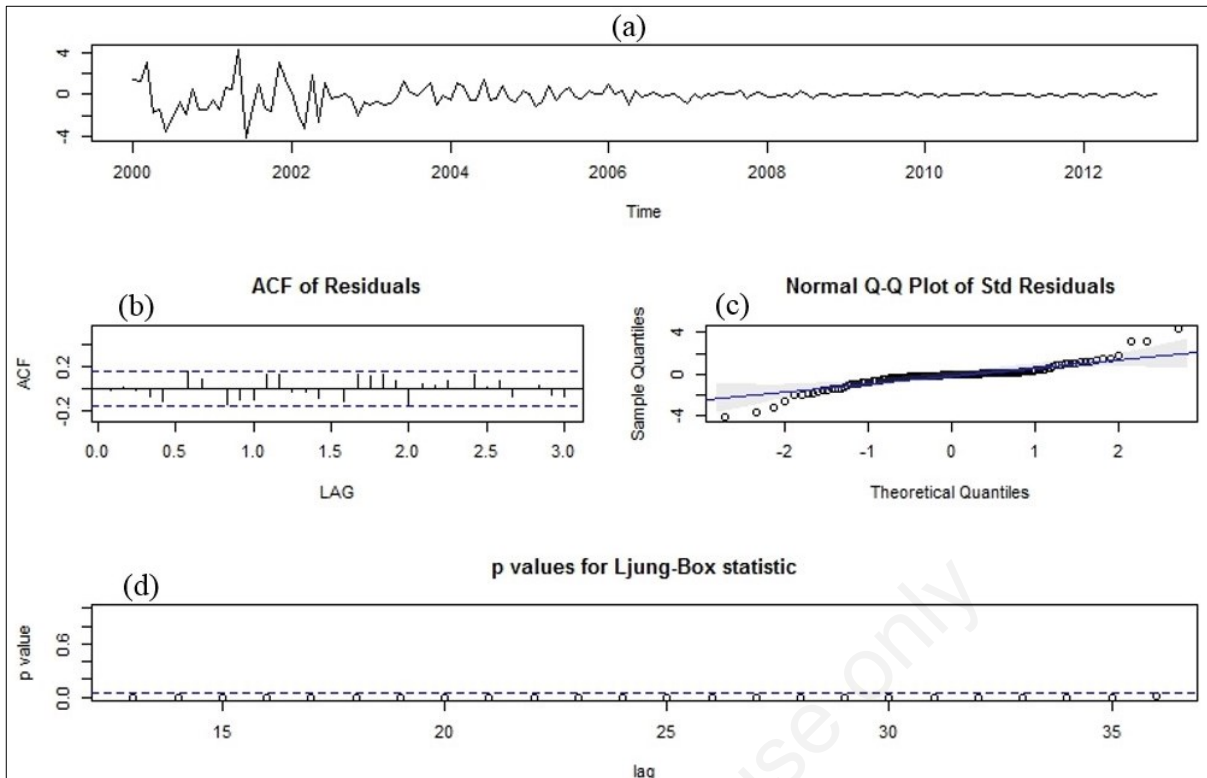
Figure S2. Diagnostics plot of the adequacy assessment of SARIMA $(2,1,1)(2,0,1)_{12}$ model fit. (a) The standardized residuals; (b) autocorrelation functions (ACF) plot of the residuals; (c) standard deviation of the residuals; (d) P-values for the Ljung-Box statistic.
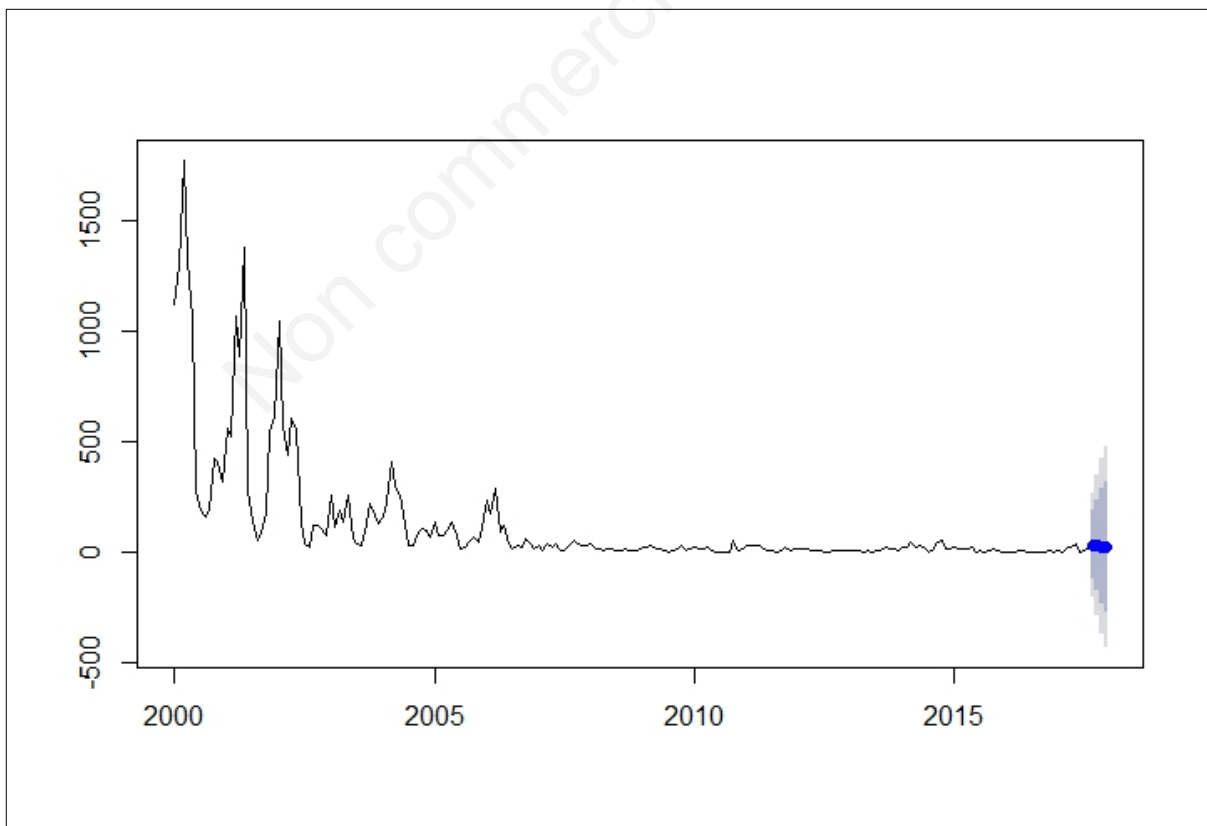

Figure S3. Observed and predicted malaria case number in Nkomazi Municipality September 2017-December 2017.