

Supplementary Tables

Supplementary Table 1: Normal distribution test using Shapiro-Wilk test.

Variable	N	Mean	Mean SE	SD	w-statistic	p-value	Distribution
Temp Max	6	31.925	0.2414	0.591	0.82	0.0879	ND
Temp Avg	6	26.3892	0.25266	0.6189	0.93	0.5661	ND
Temp min	6	20.522	0.3852	0.944	0.86	0.1856	ND
Average Annual Rainfall	6	30.838	3.5372	8.664	0.92	0.4898	ND
Malaria Cases	6	286.7	40.69	99.7	0.89	0.3373	ND
<i>P. vivax</i> cases	6	269.3	45.00	110.2	0.94	0.6888	ND
<i>P. falciparum</i> cases	6	17.3	8.24	20.2	0.77	0.0287	Not ND
<i>An. culicifacies</i>	9	23.444	5.81	17.444	0.890	0.202	ND
<i>An. stephensi</i>	9	29.667	8.54	25.627	0.822	0.036	Not ND

*At alpha =0.05, based on Shapiro-Wilk test

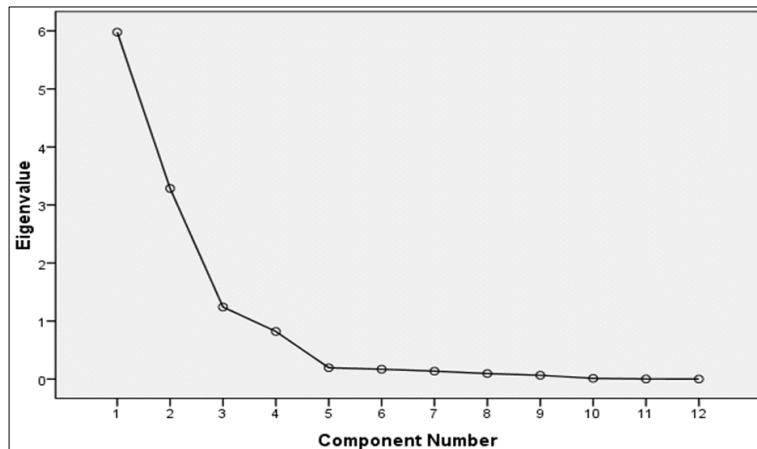
Supplementary Table 2: Descriptive statistics of climatic variable and Anopheles abundance data

	Mean	Std. Deviation	N
MALARIA_CASES	18.39	22.250	36
TEMP_MAX	32.71	6.794	36
TEMP_MIN	20.93	7.608	36
TEMP_AV	26.82	7.137	36
HUMIDITY	39.19	15.018	36
AV_RAINFALL	24.24	26.398	36
ACR	3.50	7.276	36
ACP	1.19	2.573	36
ACU	1.72	5.147	36
ACT	6.42	13.917	36
ASR	4.61	12.443	36
ASP	1.14	3.006	36
ASU	1.67	3.251	36
AST	7.42	17.884	36

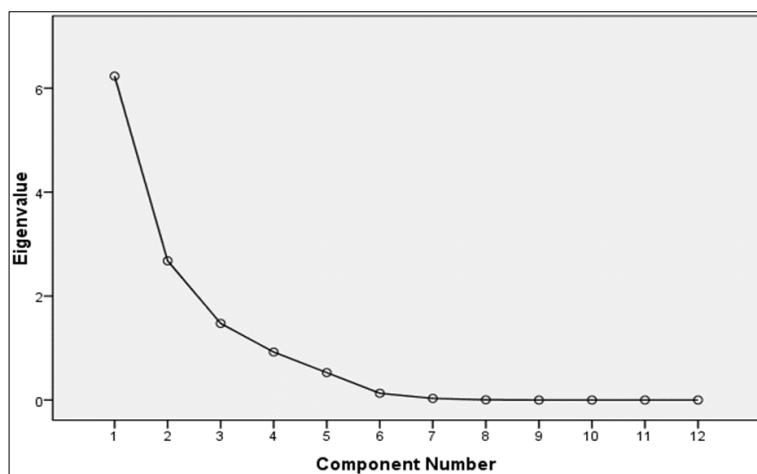
Supplementary Table 3: Habitats identified with *Anopheles* breeding.

Habitats (Temporary/permanent)	Percentage of habitats found with <i>Anopheles</i> breeding		
	Urban	Peri-urban	Rural
Drains (P)	6.3	2.67	0
Tanks (P)	64.19	45.16	8.57
Containers(T)	0.125	14.03	0
OHTs (P)	3.27	7.14	0
Tube-wells (P)	0	6	5.5
Miscellaneous (T)	1.36	0	0
Rivers (P)	0	0	66.6
Canals (P)	100	33.33	100
Pools (T)	48	23.52	43.75
Pits (T)	59.75	11.6	90.9
Rice fields (T)	100	0	0

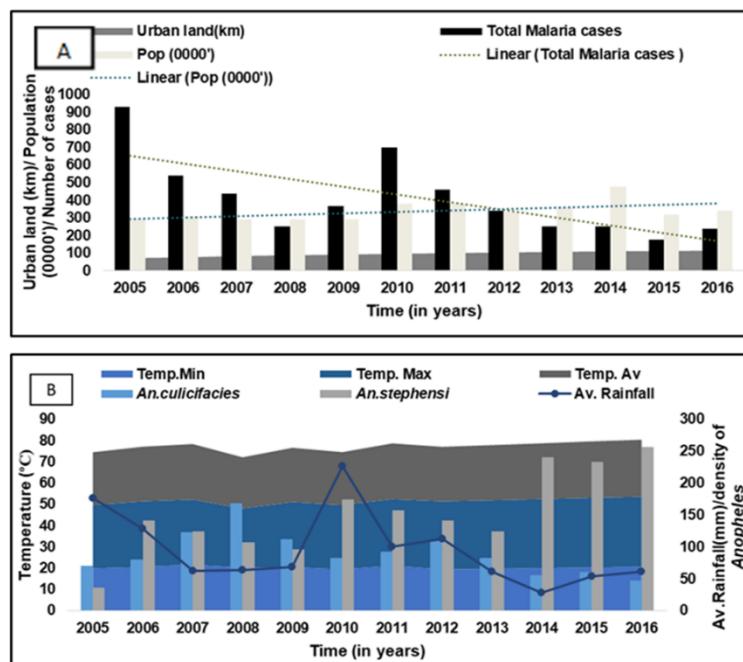
Supplementary Figures



Supplementary Fig 1: Scree Plot for cluster 1 showing relationship of the eigenvalue against the factor number



Supplementary Fig 2: Scree Plot for cluster 2 showing relationship of the eigenvalue against the factor number.



Supplementary Fig 3: (A) Urban land and population and its relation with malaria cases (B) Change in *Anopheles* abundance, temperature (maximum, minimum and average), and average annual rainfall from 2005 to 2016 (Source: Rainfall=IMD 2005-2016, Temperature=World Weather Online, 2005-2016).