

**Additional file 1: Table S1.** Environmental characteristics of the 19 sampling sites of *Aedes albopictus* in Reunion Island.

Region	Site	X	Y	Altitude (m)	Mean temperature (°C)	Mean rainfall (mm)	Vegetation type	Land use
West	PRO	55.4564	-20.8965	36	24.25	1340	Semi-arid forest	Urbanized area
	LPO	55.2875	-20.9493	9	25.45	490	Savannah	Urbanized area
	ERM	55.2326	-21.0535	67	24.95	540	Savannah	Urbanized area
	P3B	55.2647	-21.125	35	24.95	640	Semi-arid forest	Savannah
	ESL	55.3091	-21.1739	437	19.1	970	Semi-arid forest	Sugar cane
	PLA	55.3366	-21.243	331	24	660	Savannah	Urbanized area
	LDP	55.4859	-21.3231	136	23.3	800	Semi-arid forest	Urbanized area
	PGB	55.5332	-21.3615	75	23.3	1340	Savannah	Urbanized area
	SJO	55.6114	-21.3862	28	23.3	1540	Low altitude rainforest	Urbanized area
East	PCP	55.7125	-21.3732	46	23.15	3460	Low altitude rainforest	Forest/Sugar cane
	PCD	55.8011	-21.3057	124	23.45	3700	Low altitude rainforest	Forest/Sugar cane
	PNDL	55.8243	-21.1653	60	23.45	3250	Low altitude rainforest	Sugar cane
	PBSB	55.7232	-21.0488	43	23.55	3110	Low altitude rainforest	Sugar cane
	PDA	55.6565	-20.9262	20	20.5	2130	Low altitude rainforest	Sugar cane
	PBS	55.5827	-20.9324	314	20.5	2630	Low altitude rainforest	Sugar cane
Center	PTC	55.461	-21.1772	972	16.7	1150	Mountain rainforest	Forest
	PHY	55.5384	-21.2219	1161	13.9	1440	Mountain rainforest	Grassland
	PDP	55.6407	-21.1276	948	16.75	3830	Screwpine thickets	Grassland
	PSA	55.5441	-21.0242	449	18.75	3280	Mountain rainforest	Forest