Additional file 4: **Table S4.** Microsatellite variation in the 19 *Aedes albopictus* populations. *Abbreviations*: *n*, number of individuals analyzed; N_a, number of alleles; N_e, effective number of alleles; N_p, number of private alleles; H_O, observed heterozygosities; H_E, expected heterozygosities; F_{IS}, inbreeding coefficient (*P < 0.05, **P < 0.01, ***P < 0.001); SE, standard error.

			Aealbmic										
Region	Sites	Index	2	3	6	7	8	9	10	11	16	Albtri45	All ± SE
West	W-PRO (*n*=25)	N_a	2	12	4	4	5	7	4	8	7	6	5.90 ± 0.89
		N_e	1.99	3.17	1.39	2.33	3.19	4.15	2.2	5.17	3.99	4.98	2.56 ± 0.41
		N_p	0	0	0	0	0	1	0	0	1	0	2
		H_O	0.36	0.6	0.32	0.6	0.72	0.76	0.44	0.72	0.68	0.72	0.59 ± 0.05
		H_E	0.5	0.69	0.28	0.57	0.69	0.76	0.54	0.81	0.75	0.8	0.64 ± 0.05
		F_{IS}	0.28	0.12	-0.13	-0.05	-0.05	0	0.19	0.11	0.09	0.1	0.09 ***
	W-LPO (*n*=27)	N_a	2	10	6	5	6	6	4	6	5	6	5.60 ± 0.64
		N_e	1.8	3.76	2.38	2.76	3.89	3.46	1.94	3.44	2.31	4.4	3.01 ± 0.28
		N_p	0	0	0	0	1	0	0	0	0	0	1
		H_o	0.3	0.7	0.67	0.48	0.48	0.93	0.37	0.48	0.52	0.89	0.58 ± 0.07
		H_E	0.44	0.73	0.58	0.64	0.74	0.71	0.49	0.71	0.57	0.77	0.64 ± 0.04
		F_{IS}	0.33	0.04	-0.15	0.24	0.35	-0.3	0.24	0.32	0.08	-0.15	0.11 **
	W-ERM (*n*=27)	N_a	2	10	6	6	4	5	4	9	5	6	5.70 ± 0.75
		N_e	1.91	4.6	1.92	1.85	3.19	3.26	2.02	4.67	3.01	3.71	3.01 ± 0.34
		N_p	0	1	0	0	0	0	0	1	0	0	2
		H_o	0.33	0.7	0.52	0.48	0.59	0.78	0.26	0.67	0.7	0.74	0.58 ± 0.06
		H_E	0.48	0.78	0.48	0.46	0.69	0.69	0.51	0.79	0.67	0.73	0.63 ± 0.04
		F_{IS}	0.3	0.1	-0.08	-0.05	0.14	-0.12	0.49	0.15	-0.05	-0.01	0.1 **

Additional file 4: **Table S4.** Continued

Aealbmic

Region	Sites	Index	2	3	6	7	8	9	10	11	16	Albtri45	All ± SE
West	W-P3B (*n*=29)	N_a	2	9	3	5	4	5	3	7	3	6	4.70 ± 0.68
		N_e	1.89	5.26	1.7	1.49	2.09	4	1.63	4.79	1.59	3.09	2.75 ± 0.45
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.48	0.79	0.38	0.34	0.34	0.59	0.21	0.52	0.38	0.79	0.48 ± 0.06
		H_E	0.47	0.81	0.41	0.33	0.52	0.75	0.39	0.79	0.37	0.68	0.55 ± 0.06
		F_{IS}	-0.03	0.02	0.08	-0.05	0.34	0.22	0.46	0.35	-0.02	-0.17	0.14 ***
	W-ESL (*n*=30)	N_a	2	11	4	3	4	5	5	9	6	5	5.40 ± 0.86
		N_e	1.97	7.73	2.15	2.05	3.25	2.75	1.86	4.15	3.06	4.42	3.34 ± 0.56
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.47	0.93	0.5	0.5	0.53	0.6	0.33	0.6	0.67	0.67	0.58 ± 0.05
		H_E	0.49	0.87	0.53	0.51	0.69	0.64	0.46	0.76	0.67	0.77	0.64 ± 0.04
		F_{IS}	0.05	-0.07	0.06	0.02	0.23	0.06	0.28	0.21	0.01	0.14	0.11 **
	W-PLA (*n*=30)	N_a	2	11	4	3	6	5	5	7	5	5	5.30 ± 0.78
		N_e	1.97	6.21	1.47	1.62	4.23	2.97	2.08	4.01	3.3	3.76	3.16 ± 0.46
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.67	0.77	0.27	0.37	0.77	0.73	0.4	0.5	0.77	0.7	0.59 ± 0.06
		H_E	0.49	0.84	0.32	0.38	0.76	0.66	0.52	0.75	0.7	0.73	0.62 ± 0.06
		F_{IS}	-0.36	0.09	0.16	0.04	0	-0.11	0.23	0.33	-0.1	0.05	0.05 *

Additional file 4: **Table S4.** Continued

Aealbmic

Region	Sites	Index	2	3	6	7	8	9	10	11	16	Albtri45	All ± SE
West	W-LDP (*n*=26)	N_a	2	9	5	6	5	7	5	8	6	6	5.90 ± 0.61
		N_e	1.6	3.81	2.47	2.04	3.6	3.99	2.36	3.72	2.73	3.94	3.02 ± 0.28
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.35	0.65	0.54	0.62	0.58	0.81	0.46	0.69	0.54	0.54	0.58 ± 0.04
		H_E	0.38	0.74	0.59	0.51	0.72	0.75	0.58	0.73	0.63	0.75	0.64 ± 0.04
		F_{IS}	0.08	0.11	0.09	-0.21	0.2	-0.08	0.2	0.05	0.15	0.28	0.11 **
	W-PGB (*n*=28)	N_a	2	9	4	6	6	4	4	7	5	7	5.40 ± 0.64
		N_e	2	5.3	2.27	1.97	4.87	2.09	2.8	3.87	3.66	4.13	3.30 ± 0.39
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.43	0.75	0.5	0.46	0.89	0.57	0.29	0.75	0.71	0.5	0.59 ± 0.06
		H_E	0.5	0.81	0.56	0.49	0.79	0.52	0.64	0.74	0.73	0.76	0.66 ± 0.04
		F_{IS}	0.14	0.08	0.11	0.06	-0.12	-0.09	0.56	-0.01	0.02	0.34	0.12 ***
	W-SJO (*n*=28)	N_a	2	10	2	3	5	5	4	8	6	5	5.00 ± 0.80
		N_e	1.85	4.98	1.32	1.81	4.6	2.93	2.51	4.93	2.93	3.42	3.13 ± 0.42
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.5	0.71	0.29	0.5	0.68	0.61	0.61	0.61	0.71	0.5	0.57 ± 0.04
		H_E	0.46	0.8	0.24	0.45	0.78	0.66	0.6	0.8	0.66	0.71	0.62 ± 0.06
		F_{IS}	-0.09	0.11	-0.17	-0.12	0.13	0.08	-0.01	0.24	-0.08	0.29	0.09 ***

Additional file 4: **Table S4.** Continued

Aealbmic

Region	Sites	Index	2	3	6	7	8	9	10	11	16	Albtri45	All ± SE
East	E-PCP (*n*=29)	N_a	2	9	4	4	6	6	4	6	5	6	5.20 ± 0.59
		N_e	1.92	5.08	2.56	2.04	4.5	3.84	2.2	4.27	2.5	4.31	3.32 ± 0.38
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.66	0.83	0.55	0.59	0.72	0.72	0.21	0.79	0.45	0.69	0.62 ± 0.06
		H_E	0.48	0.8	0.61	0.51	0.78	0.74	0.55	0.77	0.6	0.77	0.66 ± 0.04
		F_{IS}	-0.37	-0.03	0.09	-0.15	0.07	0.02	0.62	-0.04	0.25	0.1	0.08 ***
	E-PCD (*n*=30)	N_a	2	11	4	4	6	6	5	8	5	6	5.70 ± 0.78
		N_e	1.72	6.55	1.87	1.8	4.26	4.83	2.83	4.63	3.06	4.7	3.62 ± 0.51
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.33	0.67	0.57	0.4	0.7	0.73	0.5	0.77	0.67	0.73	0.61 ± 0.05
		H_E	0.42	0.85	0.47	0.45	0.77	0.79	0.65	0.78	0.67	0.79	0.66 ± 0.05
		F_{IS}	0.21	0.21	-0.22	0.1	0.08	0.07	0.23	0.02	0.01	0.07	0.1 **
	E-PNDL (*n*=27)	N_a	2	13	3	6	5	5	4	7	6	6	5.70 ± 0.94
		N_e	1.93	7.25	1.64	2.41	2.67	3.26	1.98	4.66	2.98	3.84	3.26 ± 0.53
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.44	0.93	0.41	0.67	0.67	0.59	0.52	0.56	0.7	0.74	0.62 ± 0.05
		H_E	0.48	0.86	0.39	0.59	0.62	0.69	0.49	0.79	0.66	0.74	0.63 ± 0.05
		F_{IS}	0.08	-0.07	-0.04	-0.14	-0.07	0.15	-0.05	0.29	-0.06	0	0.03

Additional file 4: **Table S4.** Continued

Aealbmic

Region	Sites	Index	2	3	6	7	8	9	10	11	16	Albtri45	All ± SE
East	E-PBSB (*n*=25)	N_a	2	12	4	2	4	5	4	7	5	6	5.10 ± 0.91
		N_e	1.89	6.38	1.52	1.04	3.21	3.29	2.59	4.33	2.1	4.9	3.13 ± 0.53
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.36	0.76	0.4	0.04	0.44	0.64	0.48	0.48	0.48	0.56	0.47 ± 0.06
		H_E	0.47	0.84	0.34	0.04	0.69	0.7	0.61	0.77	0.52	0.8	0.58 ± 0.08
		F_{IS}	0.24	0.1	-0.17	-0.02	0.36	0.08	0.22	0.38	0.08	0.3	0.21 ***
	E-PDA (*n*=24)	N_a	2	10	5	3	5	5	4	7	5	7	5.30 ± 0.72
		N_e	1.95	7.84	2.32	1.71	4.4	3.06	2.43	3.99	2.88	4.55	3.51 ± 0.58
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.5	0.88	0.71	0.29	0.75	0.71	0.38	0.38	0.71	0.67	0.60 ± 0.06
		H_E	0.49	0.87	0.57	0.41	0.77	0.67	0.59	0.75	0.65	0.78	0.66 ± 0.05
		F_{IS}	-0.03	0	-0.25	0.3	0.03	-0.05	0.36	0.5	-0.09	0.15	0.11 ***
	E-PBS (*n*=29)	N_a	2	11	5	5	5	4	5	7	5	5	5.40 ± 0.73
		N_e	1.94	6.7	1.83	2.89	4.09	2.96	2.92	2.45	2.32	4.71	3.28 ± 0.48
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.41	0.86	0.38	0.28	0.69	0.69	0.34	0.55	0.34	0.79	0.53 ± 0.07
		H_E	0.49	0.85	0.45	0.65	0.76	0.66	0.66	0.59	0.57	0.79	0.65 ± 0.04
		F_{IS}	0.15	-0.01	0.16	0.58	0.09	-0.04	0.48	0.07	0.39	-0.01	0.19 ***

Additional file 4: **Table S4.** Continued

Aealbmic

Region	Sites	Index	2	3	6	7	8	9	10	11	16	Albtri45	All ± SE
Center	C-PTC (*n*=28)	N_a	2	11	4	5	6	3	5	7	6	6	5.50 ± 0.78
		N_e	1.96	8.86	1.35	2.96	4.01	2.51	2.24	3.92	3.16	4.28	3.52 ± 0.67
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.5	0.75	0.29	0.64	0.75	0.54	0.61	0.64	0.61	0.82	0.61 ± 0.05
		H_E	0.49	0.89	0.26	0.66	0.75	0.6	0.55	0.74	0.68	0.77	0.64 ± 0.06
		F_{IS}	-0.02	0.15	-0.11	0.03	0	0.11	-0.1	0.14	0.11	-0.07	0.06 **
	C-PHY (*n*=29)	N_a	2	10	4	5	6	5	5	8	4	5	5.40 ± 0.70
		N_e	1.62	4.25	2.16	2.58	4.89	3.2	2.24	3.62	2.54	4.34	3.14 ± 0.35
		N_p	0	0	0	0	1	0	0	0	0	0	1
		H_o	0.31	0.79	0.59	0.59	0.69	0.72	0.38	0.83	0.59	0.76	0.62 ± 0.05
		H_E	0.38	0.76	0.54	0.61	0.8	0.69	0.55	0.72	0.61	0.77	0.64 ± 0.04
		F_{IS}	0.19	-0.04	-0.09	0.04	0.13	-0.05	0.32	-0.14	0.03	0.01	0.05
	C-PDP (*n*=30)	N_a	2	9	3	4	6	5	5	8	6	5	5.30 ± 0.67
		N_e	1.97	4.26	1.57	1.79	3.81	3.21	1.7	5.19	2.01	4.56	3.00 ± 0.43
		N_p	0	0	0	0	0	0	0	0	0	0	0
		H_o	0.53	0.43	0.37	0.47	0.77	0.8	0.37	0.7	0.5	0.8	0.57 ± 0.06
		H_E	0.49	0.77	0.36	0.44	0.74	0.69	0.41	0.81	0.5	0.78	0.60 ± 0.06
		F_{IS}	-0.09	0.43	-0.01	-0.06	-0.04	-0.16	0.11	0.13	0.01	-0.02	0.06 ***

Additional file 4: **Table S4.** Continued

Aealbmic

Region	Sites	Index	2	3	6	7	8	9	10	11	16	Albtri45	All ± SE
Center	C-PSA (*n*=29)	N_a	2	7	4	5	4	6	5	9	5	6	5.30 ± 0.60
		N_e	1.53	4.7	1.8	2.12	3.09	3.5	2.9	5.61	2.18	3.88	3.13 ± 0.42
		N_p	0	0	0	0	0	0	0	1	0	0	1
		H_o	0.38	0.83	0.52	0.55	0.62	0.66	0.38	0.38	0.52	0.83	0.57 ± 0.05
		H_E	0.35	0.79	0.44	0.53	0.68	0.71	0.65	0.82	0.54	0.74	0.63 ± 0.05
		F_{IS}	-0.09	-0.05	-0.17	-0.05	0.08	0.08	0.42	0.54	0.04	-0.12	0.11 ***