

Supplemental Table 1. Details of randomly selected samples collected in Jeddah, Saudi Arabia, in 2016 for detection on targeted insecticide resistance gene mutations

Sample_ID	Species	Specimen_voucher	Collection date	Collection site			GenBank_ID		
				Location	Latitude	Longitude	VGSC		Ace-1
							DIIS6	DIIS6	
Sample1	<i>Aedes aegypti</i>	SA-JD-AJ-AA-16-2-AK1	1-Feb-2016	Al-Janoub	21.24501	39.18038	MN997310		MN997396
Sample2	<i>Aedes aegypti</i>	SA-JD-AJ-AA-16-2-AK2	1-Feb-2016	Al-Janoub	21.24501	39.18038	MN997311		
Sample3	<i>Aedes aegypti</i>	SA-JD-AA-AA-16-2-AK3	1-Feb-2016	Al-Azeezyia	21.54616	39.14112	MN997312	MN997332	
Sample4	<i>Aedes aegypti</i>	SA-JD-AA-AA-16-2-AK4	1-Feb-2016	Al-Azeezyia	21.54616	39.14112	MN997313	MN997333	
Sample5	<i>Aedes aegypti</i>	SA-JD-AJ-AR-16-6-AK5	1-Jun-2016	Al-Jameaa	21.48650	39.26200	MN997314	MN997334	
Sample6	<i>Aedes aegypti</i>	SA-JD-AJ-AR-16-6-AK6	1-Jun-2016	Al-Jameaa	21.48650	39.26200	MN997315	MN997335	
Sample7	<i>Aedes aegypti</i>	SA-JD-AM-AM-16-6-AK7	1-Jun-2016	Al-Matar	21.62438	39.19302	MN997316	MN997336	MN997397
Sample8	<i>Aedes aegypti</i>	SA-JD-AM-AM-16-6-AK8	1-Jun-2016	Al-Matar	21.62438	39.19302	MN997317	MN997337	MN997398
Sample9	<i>Aedes aegypti</i>	SA-JD-Kh-Gh-16-6-AK9	1-Jun-2016	Khuzam	21.27193	39.12167	MN997318	MN997338	MN997399
Sample10	<i>Aedes aegypti</i>	SA-JD-Kh-Gh-16-6-AK10	1-Jun-2016	Khuzam	21.27193	39.12167	MN997319	MN997339	
Sample11	<i>Aedes aegypti</i>	SA-JD-Br-AA&AS-16-6-AK11	1-Jun-2016	Breman	21.58355	39.29436	MN997320	MN997340	
Sample12	<i>Aedes aegypti</i>	SA-JD-Br-AA&AS-16-6-AK12	1-Jun-2016	Breman	21.58355	39.29436	MN997321	MN997341	
Sample13	<i>Aedes aegypti</i>	SA-JD-JA-AS3-16-11-AK13	11-Jan-2016	Aljadeeda	21.3554	39.06984	MN997322	MN997342	
Sample14	<i>Aedes aegypti</i>	SA-JD-JA-AS3-16-11-AK14	11-Jan-2016	Aljadeeda	21.3554	39.06984	MN997323	MN997343	
Sample16	<i>Aedes aegypti</i>	SA-JD-AJ-AS1-16-1-AK16	24-Jan-2016	Al-Janoub	21.24003	39.16024		MN997344	MN997395
Sample17	<i>Aedes aegypti</i>	SA-JD-AS-BM4-16-2-AK17	2-Feb-2016	Al-Sharafyia	21.53352	39.23865		MN997345	
Sample18	<i>Aedes aegypti</i>	SA-JD-AS-BM4-16-2-AK18	2-Feb-2016	Al-Sharafyia	21.53352	39.23865	MN997324	MN997346	
Sample19	<i>Aedes aegypti</i>	SA-JD-Th-Th-16-7-AK19	7-Feb-2016	Thuwal	22.29121	39.11814	MN997325	MN997347	
Sample20	<i>Aedes aegypti</i>	SA-JD-Th-Th-16-7-AK20	7-Feb-2016	Thuwal	22.29121	39.11814	MN997326	MN997348	
Sample21	<i>Aedes aegypti</i>	SA-JD-AS-AN2-16-8-AK21	8-Feb-2016	Al-Sharafyia	21.51801	39.22383	MN997327	MN997349	
Sample22	<i>Aedes aegypti</i>	SA-JD-AS-AN2-16-8-AK22	8-Feb-2016	Al-Sharafyia	21.51801	39.22383	MN997328	MN997350	
Sample23	<i>Aedes aegypti</i>	SA-JD-AB-AB-16-2-AK23	21-Feb-2016	Al-Balad	21.49716	39.18688	MN997329	MN997351	
Sample24	<i>Aedes aegypti</i>	SA-JD-AB-AB-16-2-AK24	21-Feb-2016	Al-Balad	21.49716	39.18688	MN997330	MN997352	
Sample25	<i>Aedes aegypti</i>	SA-JD-AJ-AA-16-2-AK25	25-Feb-2016	Al-Janoub	21.25032	39.17736	MN997331	MN997353	

Sample1	<i>Culex quinquefasciatus</i>	SA-JD-Th-Th-16-1-CK1	12-Jan-2016	Thuwal	22.28892	39.11309	MN997354	MN997375
Sample2	<i>Culex quinquefasciatus</i>	SA-JD-AJ-PFN-16-1-CK2	6-Jan-2016	Al-Janoub	21.26371	39.17629	MN997355	MN997376
Sample3	<i>Culex quinquefasciatus</i>	SA-JD-Zh-UN-16-1-CK3	6-Jan-2016	Zhahaban	21.77720	39.09554	MN997356	MN997377
Sample4	<i>Culex quinquefasciatus</i>	SA-JD-AJ-AA-16-1-CK4	16-Jan-2016	Al-Janoub	21.23416	39.17999	MN997357	MN997378
Sample5	<i>Culex quinquefasciatus</i>	SA-JD-Kh-Pe-16-1-CK5	16-Jan-2016	Khuzam	21.45871	39.18478	MN997358	MN997379
Sample6	<i>Culex quinquefasciatus</i>	SA-JD-JA-AS-16-1-CK6	18-Jan-2016	Aljadeeda	21.33795	39.06912	MN997359	MN997380
Sample7	<i>Culex quinquefasciatus</i>	SA-JD-AJ-AJ-16-1-CK7	31-Jan-2016	Al-Janoub	21.26382	39.15195	MN997360	MN997381
Sample8	<i>Culex quinquefasciatus</i>	SA-JD-AJ-AM-16-2-CK8	2-Feb-2016	Al-Janoub	21.26583	39.20150	MN997361	MN997382
Sample9	<i>Culex quinquefasciatus</i>	SA-JD-JA-AZ-16-2-CK9	7-Feb-2016	Aljadeeda	21.36390	39.08010	MN997362	MN997383
Sample11	<i>Culex quinquefasciatus</i>	SA-JD-Ta-AS-16-2-CK11	29-Feb-2016	Tayibah	21.74690	39.18985	MN997363	MN997384
Sample14	<i>Culex quinquefasciatus</i>	SA-JD-AJ-AJ-16-4-CK14	4-Apr-2016	Al-Jameaa	21.49328	39.22153	MN997364	MN997385
Sample15	<i>Culex quinquefasciatus</i>	SA-JD-JA-AS-16-4-CK15	7-Apr-2016	Aljadeeda	21.34788	39.09205	MN997365	MN997386
Sample16	<i>Culex quinquefasciatus</i>	SA-JD-Ub-AS-16-4-CK16	19-Apr-2016	Ubhor	21.50462	39.26219	MN997366	MN997387
Sample17	<i>Culex quinquefasciatus</i>	SA-JD-Ub-AS-16-4-CK17	19-Apr-2016	Ubhor	21.64914	39.10834	MN997367	MN997388
Sample18	<i>Culex quinquefasciatus</i>	SA-JD-JA-AK-16-5-CK18	15-May-2016	Aljadeeda	21.56202	39.13797	MN997368	MN997389
Sample19	<i>Culex quinquefasciatus</i>	SA-JD-JA-AK-16-5-CK19	15-May-2016	Aljadeeda	21.56202	39.13797	MN997369	MN997390
Sample20	<i>Culex quinquefasciatus</i>	SA-JD-Ta-AH-16-8-CK20	8-May-2016	Tayibah	21.72928	39.20415	MN997370	MN997391
Sample21	<i>Culex quinquefasciatus</i>	SA-JD-Ta-AH-16-8-CK21	8-May-2016	Tayibah	21.72928	39.20415	MN997371	MN997392
Sample22	<i>Culex quinquefasciatus</i>	SA-JD-UA-AR-16-5-CK22	19-May-2016	Um-Assalm	21.50462	39.26219	MN997372	MN997393
Sample23	<i>Culex quinquefasciatus</i>	SA-JD-UA-AN-16-5-CK23	19-May-2016	Um-Assalm	21.52433	39.26179	MN997373	MN997394
Sample24	<i>Culex quinquefasciatus</i>	SA-JD-AJ-AS-16-5-CK24	26-May-2016	Al-Jameaa	21.50447	39.25512	MN997374	MN997395
