

**Table S1. Primers used for clone and expression analysis of genes in *Diaphorina***

*citri*

Gene	Primer Names	Primer Sequences	TM (°C)	Purpose
<i>DcKir1</i>	<i>DcKir1</i> -F	TATGGCGGTGAGCAATAGCG	50	DNA cloning
	<i>DcKir1</i> -R	GGCACAGAGACAAAGGAAGCC		
<i>DcKir2</i>	<i>DcKir2</i> -F	CGGAGCACTCGCTAATTCCA	48	
	<i>DcKir2</i> -R	CATGCGGACATTTTCAGCCG		
<i>DcKir3</i>	<i>DcKir3</i> -F	TGTAGACGCTCTGGCAACAC	55	
	<i>DcKir3</i> -R	TCCAAAGGCCACCAGATGAC		
<i>Actin</i>	<i>Actin</i> -F	CCATCTTGGCTTCTCTGTCTAC	60	Real-time Quantitative PCR
	<i>Actin</i> -R	CATTTGCGGTGAACGATTCC		
<i>DcKir1</i>	<i>DcKir1</i> -q-F	CCTGTGGGAATGGAACCGAA	60	
	<i>DcKir1</i> -q-R	GGATCGGGATAGGTCTCGC		
<i>DcKir2</i>	<i>DcKir2</i> -q-F	CCAACACGCCAAGAGCAAAA	60	
	<i>DcKir2</i> -q-R	CGAAAAGTTCCTCCTCCGCT		
<i>DcKir3</i>	<i>DcKir3</i> -q-F	GGCGAGTGTTTCTTTTCCGT	60	
	<i>DcKir3</i> -q-R	TTCTGGAACATGGCGTTCGT		

**Table S2. Summary of the transcriptome data**

Sample	Raw reads	Clean reads	Clean data (bp)	Q20 (%)	Q30 (%)	GC (%)
CK1	43059388	42835710	6383654311	97.62	93.36	42.02
CK2	56059322	55799910	8308751807	97.81	93.84	41.85
CK3	47812588	47558272	7085455796	97.57	93.35	41.77
Flonicamid-1	56143268	55862122	8330010669	97.75	93.75	42.18
Flonicamid-2	61083282	60773960	9059160629	97.65	93.51	42.26
Flonicamid-3	43145686	42909466	6397517929	97.62	93.44	41.92

**Table S3. The statistics of reads mapped to the reference genome**

Sample	Total reads	Total mapped	Multiple mapped	Uniquely mapped
CK1	41151522	34919109 (84.85%)	10261039 (24.93%)	24658070 (59.92%)
CK2	53521952	45379356 (84.79%)	13424573 (25.08%)	31954783 (59.70%)
CK3	45430958	38254241 (84.20%)	11449332 (25.20%)	26804909 (59.00%)
Flonicamid-1	53144638	45145941 (84.95%)	13706255 (25.79%)	31439686 (59.16%)
Flonicamid-2	57956458	49708782 (85.77%)	14772426 (25.49%)	34936356 (60.28%)
Flonicamid-3	40673860	34490958 (84.80%)	10254192 (25.21%)	24236766 (59.59%)

**Table S4. Accession numbers of Kir subunit amino acid sequences analyzed in Figure 4A**

Abbreviation	Species	NCBI Accession #	Abbreviation	Species	NCBI Accession #
AaKir1	<i>Aedes aegypti</i>	AAEL008932	HsKir1.1	<i>Homo sapiens</i>	NP_000211
AaKir2A	<i>Aedes aegypti</i>	AAEL008928	HsKir2.1	<i>Homo sapiens</i>	AAF73241
AaKir2B	<i>Aedes aegypti</i>	AAEL008931	HsKir3.1	<i>Homo sapiens</i>	AAH22495
AaKir2B'	<i>Aedes aegypti</i>	AAEL013373	HsKir4.1	<i>Homo sapiens</i>	AAB07046
AaKir3	<i>Aedes aegypti</i>	AAEL001646	HsKir5.1	<i>Homo sapiens</i>	AAG09401
AcKir1	<i>Acyrtosiphon pisum</i>	XP_003246666	HsKir6.1	<i>Homo sapiens</i>	AAH00544
AcKir2	<i>Acyrtosiphon pisum</i>	BAH71694	HsKir6.2	<i>Homo sapiens</i>	AAI12359
AgKir2A	<i>Anopheles gambiae</i>	AGAP001281	HsKir7.1	<i>Homo sapiens</i>	AAH37290
AgKir2A'	<i>Anopheles gambiae</i>	AGAP001283	MpKir1	<i>Myzus persicae</i>	XP_022179458
AgKir2B	<i>Anopheles gambiae</i>	AGAP001284	MpKir2	<i>Myzus persicae</i>	XP_022159991
AgKir3A	<i>Anopheles gambiae</i>	AGAP007818	MsKir1	<i>Manduca sexta</i>	XP_030028772
BmKir1	<i>Bombyx mori</i>	XP_012551257	NIKir1	<i>Nilaparvata lugens</i>	ASN63883
BtKir1	<i>Bemisia tabaci</i>	XP_018903156	NIKir2	<i>Nilaparvata lugens</i>	ASN63884
BtKir2	<i>Bemisia tabaci</i>	XP_018903159	NIKir3	<i>Nilaparvata lugens</i>	ASN63885
BtKir3	<i>Bemisia tabaci</i>	XP_018914499	PxKir2B	<i>Plutella xylostella</i>	XP_011553023
CIKir1	<i>Cimex lectularius</i>	XP_014261722	PxKir3A	<i>Plutella xylostella</i>	XP_011566889
CIKir2	<i>Cimex lectularius</i>	XP_24081293	PxKir3B	<i>Plutella xylostella</i>	XP_011562711
CIKir3	<i>Cimex lectularius</i>	XP_014248345	RmKir1	<i>Rhopalosiphum maidis</i>	XP_026822661
DmKir1	<i>Drosophila melanogaster</i>	NP_1262861	RmKir2	<i>Rhopalosiphum maidis</i>	XP_026808359
DmKir2	<i>Drosophila melanogaster</i>	ACL85253	TricKir1	<i>Trichoplusia ni</i>	XP_026724912
DmKir3	<i>Drosophila melanogaster</i>	NP_001137835	TricKir2B	<i>Trichoplusia ni</i>	XP_026724920
HhKir1	<i>Halyomorpha halys</i>	XP_014273294	TricKir2B'	<i>Trichoplusia ni</i>	XP_026725705
HhKir2	<i>Halyomorpha halys</i>	XP_014273296	TricKir3A	<i>Trichoplusia ni</i>	XP_026735442
HhKir3	<i>Halyomorpha halys</i>	XP_024220073			