

Table S4 The list of data sources for the arthropod genomes used in this study.

Species	Source	Release
<i>Drosophila melanogaster</i>	FlyBase (http://flybase.org/)	R5.40
<i>Drosophila simulans</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila sechellia</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila yakuba</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila erecta</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila ananassae</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila pseudoobscura</i>	FlyBase (http://flybase.org/)	R2.23
<i>Drosophila persimilis</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila willistoni</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila mojavensis</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila virilis</i>	FlyBase (http://flybase.org/)	R1.3
<i>Drosophila grimshawi</i>	FlyBase (http://flybase.org/)	R1.3
<i>Anopheles gambiae</i>	VectorBase (http://www.vectorbase.org/SequenceData/)	AgamP3.6
<i>Aedes aegypti</i>	VectorBase (http://www.vectorbase.org/SequenceData/)	AaegL1.2
<i>Culex quinquefasciatus</i>	VectorBase (http://www.vectorbase.org/SequenceData/)	CpipJ1.2
<i>Bombyx mori</i>	Silkworm Genome Database (http://silkworm.genomics.org.cn)	

		v2.0
<i>Apis mellifera</i>	BeeBase (http://hymenopteragenome.org/beebase/)	Amel_4.5
<i>Camponotus floridanus</i>	Ant Genomes Portal (http://hymenopteragenome.org/ant_genomes/)	V3.3
<i>Tribolium castaneum</i>	BeetleBase (http://beetlebase.org/)	Tcas_3.0
<i>Acyrtosiphon pisum</i>	AphidBase (http://www.aphidbase.com/aphidbase)	Acyr_2.0
<i>Pediculus humanus</i>	VectorBase (http://www.vectorbase.org/SequenceData/)	PhumU1.2
<i>Daphnia pulex</i>	Joint Genome Institute (http://www.jgi.doe.gov)	v1.0
<u><i>Ixodes scapularis</i></u>	<u>VectorBase (http://www.vectorbase.org/SequenceData/)</u>	<u>IscaW1.1</u>