

Table S1. Species used in this study. Shown are species and stock numbers, total assembly size, and sex chromosome karyotype (see Figure S1).

Data generated for this study					
Genus	Species	Stock Center	Stock Number	Assembly	Karyotype
Drosophila	saltans	UCSD	14045-0911.01	190 Mb	A + D
Drosophila	nannoptera	UCSD	15090-1692.12	135 Mb	A + D
Drosophila	pseudotalamanca	UCSD	15040-1191.01	146 Mb	A
Drosophila	repletoides	UCSD	15250-2451.00	166 Mb	A + D
Drosophila	robusta	UCSD	15020-1111.10	184 Mb	A + D
Drosophila	micromelanica	UCSD	15030-1151.01	146 Mb	A
Drosophila	melanica	UCSD	15030-1141.03	150 Mb	A + D
Drosophila	nigromelanica	EHIME	E-22901	164 Mb	A + C
Drosophila	lacertosa	EHIME	E-14007	155 Mb	A + D
Scaptodrosophila	lebanonensis	UCSD	11010-0011.00	215 Mb	A + F
Drosophila	subbadia	UCSD	15172-2161.00	174 Mb	A
Drosophila	guarani	UCSD	15172-2151.00	170 Mb	A
Drosophila	quadri-lineata	EHIME	E-14402	166 Mb	A
Drosophila	ercepeae	UCSD	14024-0432.00	156 Mb	A
Hirtodrosophila	duncani	UCSD	92000-0075.00	205 Mb	A
Drosophila	pallidipennis	UCSD	15210-2331.01	167 Mb	A
Drosophila	virilis	UCSD	15010-1051.46	166 Mb	A

Published Data					
Genus	Species	Genome Source	Male Illumina Reads	Female Illumina Reads	Karyotype
Drosophila	pseudoobscura	FlyBase	PMID: 25879221	PMID: 25879221	A + D
Drosophila	athabasca	PMID: 28431021	PMID: 28431021	PMID: 28431021	A + D
Drosophila	miranda	PMID: 22822149	PMID: 25879221	PMID: 25879221	A + D + C
Drosophila	albomicans	PMID: 22439699	PMID: 25879221	PMID: 25879221	A + D + C
Drosophila	novomexicana	This Study	PMID: 28739599	This Study: UCSD 15010-1031.00	A
Drosophila	americana	This Study	PMID: 28739599	This Study: UCSD 15010-1041.00	Male: A + B
Drosophila	lummei	This Study	PMID: 28739600	This Study: UCSD 15010-1011.09	A
Drosophila	busckii	PMID: 26114585	PMID: 25879221	PMID: 25879221	A + F
Drosophila	willistoni	FlyBase	This Study: 14030-0811.24	This Study: 14030-0811.24	A + D