

Table S5. Gene structures of published dipteran genomes

	Genome size	Gene number	% Coding region	# Exons per gene (mean)	Mean exon length	Mean intron length
<i>H.illucens</i>	1,102,181,516	16,770	2.09	5	484	4,709
<i>A. gambiae</i>	273,109,044	12,769	7.55	4	436	1,361
<i>A. aegypti</i>	1,383,974,186	15,796	1.64	4	462	5,254
<i>B. antarctica</i>	89,583,723	13,259	20.29	4	559	533
<i>M. destructor</i>	185,827,756	22,633	12.23	5	536	359
<i>Z. cucurbitae</i>	374,820,345	12,500	5.81	5	434	2,498
<i>D. melanogaster</i>	143,725,995	13,068	15.60	4	513	1,426
<i>G. morsitans</i>	366,195,856	13,308	5.61	5	485	1,596
<i>M. domestica</i>	750,403,944	14,338	3.15	4	454	3,603
<i>L. cuprina</i>	434,128,924	14,305	5.16	5	433	2,670