

Supplementary Table 2

Overall statistics for each annotation set and related genomes

Annotation set	Gene Models	mRNAs	Total Number of Exons
NCBI v100	19,311	20,966	113,609
MCOT v1.0	30,562	NA	NA
Mapped MCOT v1.0	19,744	19,744	89,423
Maker v1.1 BCM	18,205	18,205	94,257
Curated genes	530	572	3,482
OGS1.0	19,324	21,026	117,064
<i>Drosophila melanogaster</i>	13,929	30,482	77,689
<i>Acyrtosiphon pisum (pea aphid)</i>	20,958	30,790	238,155
<i>Oncopeltus fasciatus</i>	19,589	19,746	104,329
<i>Cimex lectularius (bed bug)</i>	14,085	14,212	89,562

Total Number of Introns	Number of Exons Per mRNA	Average mRNA length	Average Exon Length
92,613	5.42	1,317	243
NA	NA	1,996	NA
69,679	4.53	1,724	381
76,052	5.18	1,018	197
2,910	6.09	1,478	243
95,050	5.57	1,369	246
58,534	2.55	1,374	539
206,612	7.73	2,039	264
84,581	5.28	903	171
75,350	6.3	1,211	192

Total Exon length (bp)
27,605,237
60,995,906
34,029,470
18,536,849
845,582
28,784,551
41,874,371
62,788,971
17,821,062
17,206,103