

Supplementary Table 2

Overall statistics for each annotation set and related genomes

Annotation set	Gene Models	mRNAs	Total Number of Exons
NCBI v100	19311	20966	113609
MCOT v1.0	30562	30562	NA
Mapped MCOT v1.0	19744	19744	89423
Maker v1.1 BCM	18205	18205	94257
Curated genes	530	572	3482
<i>Drosophila melanogaster</i>	13929	30482	77689
<i>Acyrtosiphon pisum</i> (pea aphid)	20958	30790	238155
<i>Oncopeltus fasciatus</i>	19589	19746	104329
<i>Cimex lectularius</i> (bed bug)	14085	14212	89562

Total Number of Introns	Number of Exons Per mRNA	Average mRNA length	Average Exon Length
92613	5.42	1,317	243
NA	NA	1,996	NA
69679	4.53	1,724	381
76052	5.18	1,018	197
2910	6.09	1,478	243
58534	2.55	1,374	539
206612	7.73	2,039	264
84581	5.28	903	171
75350	6.3	1,211	192

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