|  |  |  |
| --- | --- | --- |
| Annotation parameter | v1.0 Assembly | v2.0 Assembly |
| Number of gene models  | 10,316 | 13,107 |
| Gene density per Mb DNA | 140.5 | 187.6 |
| Average gene length | 1629 nt  | 1833 nt |
| Average protein length | 436 aa  | 427 aa |
| Average exon frequency a | 2.45  | 3.62 |
| Average exon length  | 578 nt  | 395 nt |
| Average intron length  | 148 nt  | 154 nt |
| Percent complete gene modelsb | 82 | 88 |
| Percent of genes with homology support  | 70 | 74 |
| Percent of genes with Pfam domains | 48 | 49 |
| Percent of genes with EST support |  | 30 |

a Number of exons per gene

b With start and stop codons.