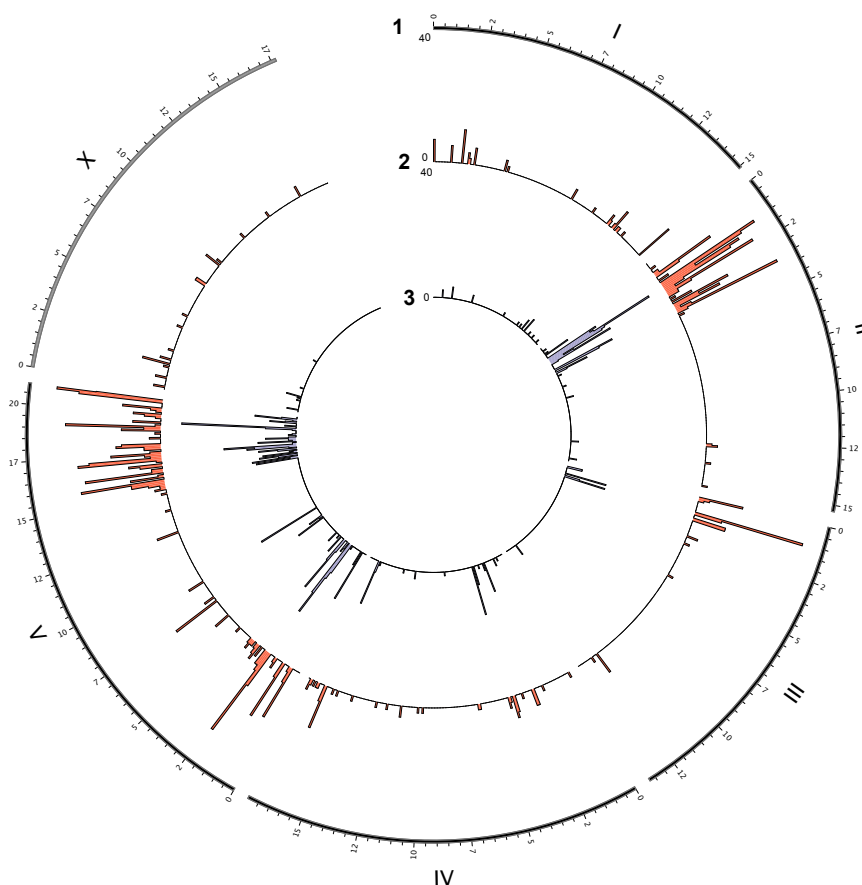


A

	N2	CB4856
Genes	46742	46238 (98.9%)
Protein coding genes	20039	19355 (96.6%)
Transferred protein coding genes		19355
Not transferred protein coding genes	684	
N2 specific genes	619	
Partially transferred protein coding genes	345	
Gene prediction		781

B

Supplemental Figure S7. CB4856 gene annotation. (A) Annotation report of CB4856. Transferred protein coding genes: number of transferred genes from N2 by RATT; not transferred protein coding genes: number of not-transferred genes from N2 by RATT; N2-specific genes: number of genes that were confirmed to be absent in the Kim genome by blast; partially transferred protein coding genes: number of genes whose exons are partially deleted; gene prediction: number of de novo annotated genes by Maker in the ‘not transferred region’ by RATT. (B) Tracks representing density at 100 kb intervals; from outside to inside: 1, genomic positions (in Mb) of the six chromosomes based on the N2 genome; 2, density of CB4856-specific genes; 3, density of N2-specific genes.