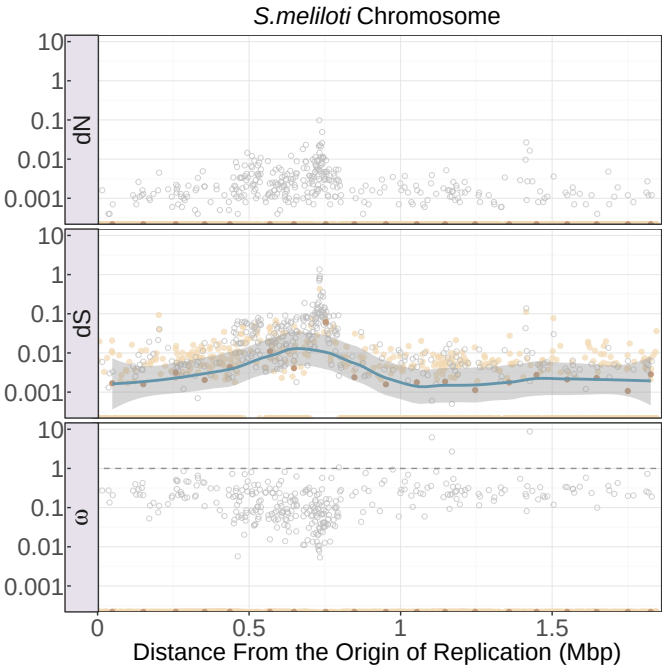
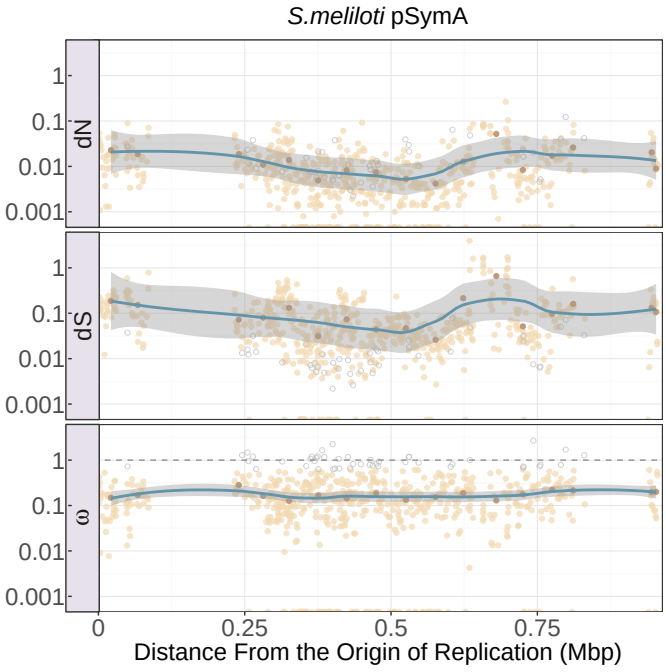
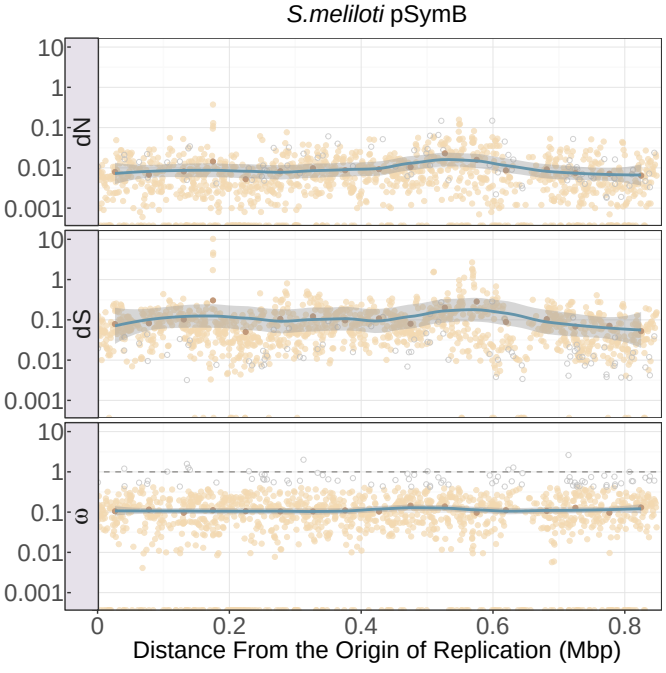


(a)



(b)



(c)

Figure 1: The graphs show the values of dN, dS, and ω along the replicons of *S. meliloti*, chromosome (a), pSymA (b), and pSymB (c). Distance from the origin of replication is on the x-axis beginning with the origin of replication denoted by position zero on the left, and the terminus indicated on the far right. The y-axis of the graph indicates the value of dN, dS, and ω found at each gene segment position of the chromosome (a), pSymA (b), and pSymB (c) of *S. meliloti*. Outliers are represented by light grey open circles. The average dN, dS, and ω values for each 10,000bp regions (for the chromosome) and 50,000bp regions (for both pSymA and pSymB) of the replicons were calculated and represented by the dark brown points. A trend line represented in blue (using the `loess` method), was fit to these average values and the associated 95% confidence intervals for this line is represented by the grey ribbon around the blue trend line. For a complete list of outlier and zero value information, please see the Supplementary Material.