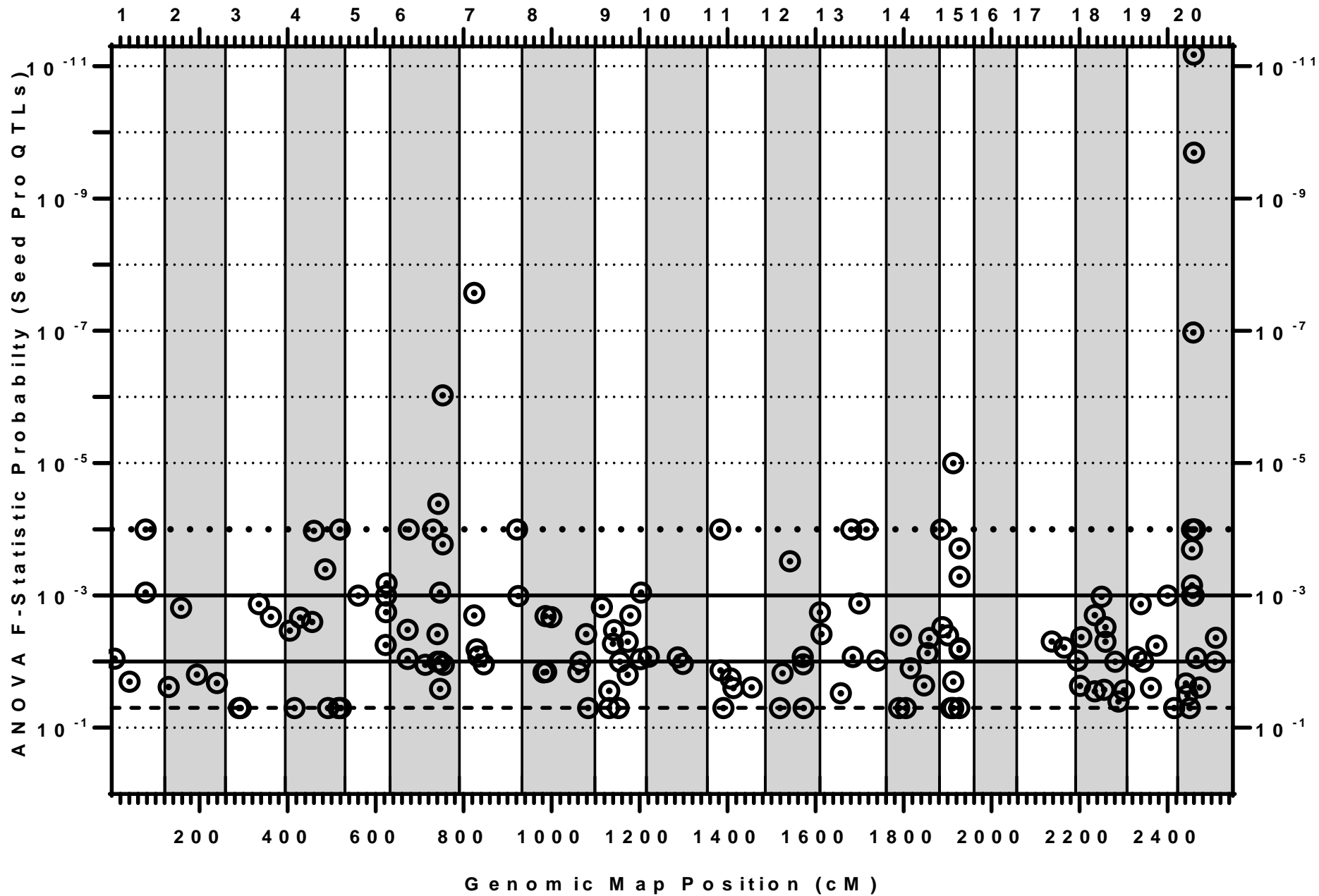**A**

Soybean Chromosome

Genomic Map Position (cM)
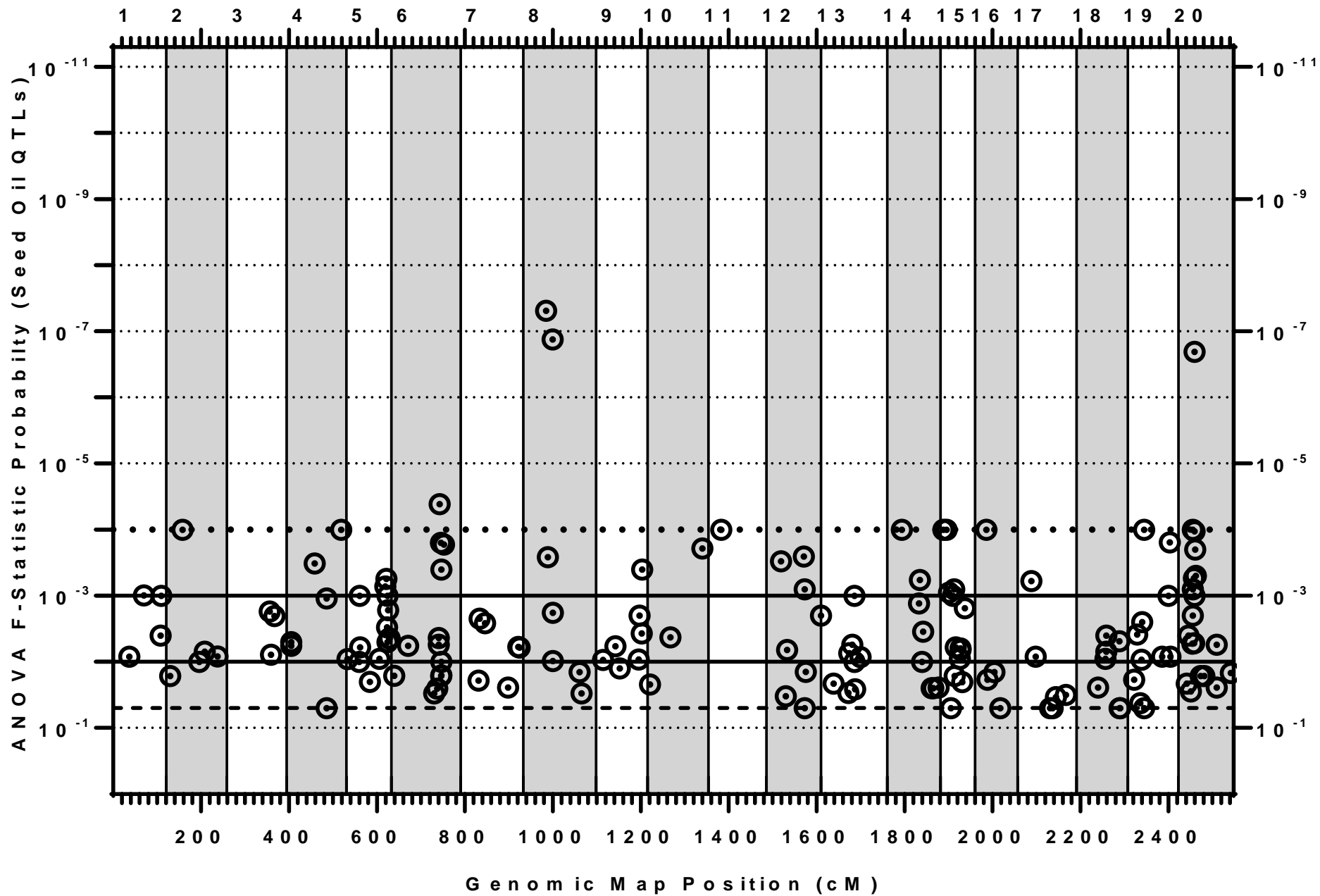
B

Soybean Chromosome

FIGURE S3. A graph of ANOVA F-statistic probabilities for (A) seed protein QTLs and (B) seed oil QTLs listed in SoyBase (Grant *et al.* 2010). SoyBase provides only Version 3.0 genetic map positions. ANOVA-based QTL detection was used in older reports, so for a common-unit comparative purpose, the LOD scores values provided in more recent reports were converted to F-statistic p-values. Because of the comparison-wise nature of F-statistic p-values, horizontal lines were placed at x-axis 10^{-x} values equivalent to p-values of 0.05 (dashed), 0.01 and 0.001 (solid), and 0.0001 (dotted) for reader convenience when comparing this graph with Figure 3 graph.