

Supplementary Figures

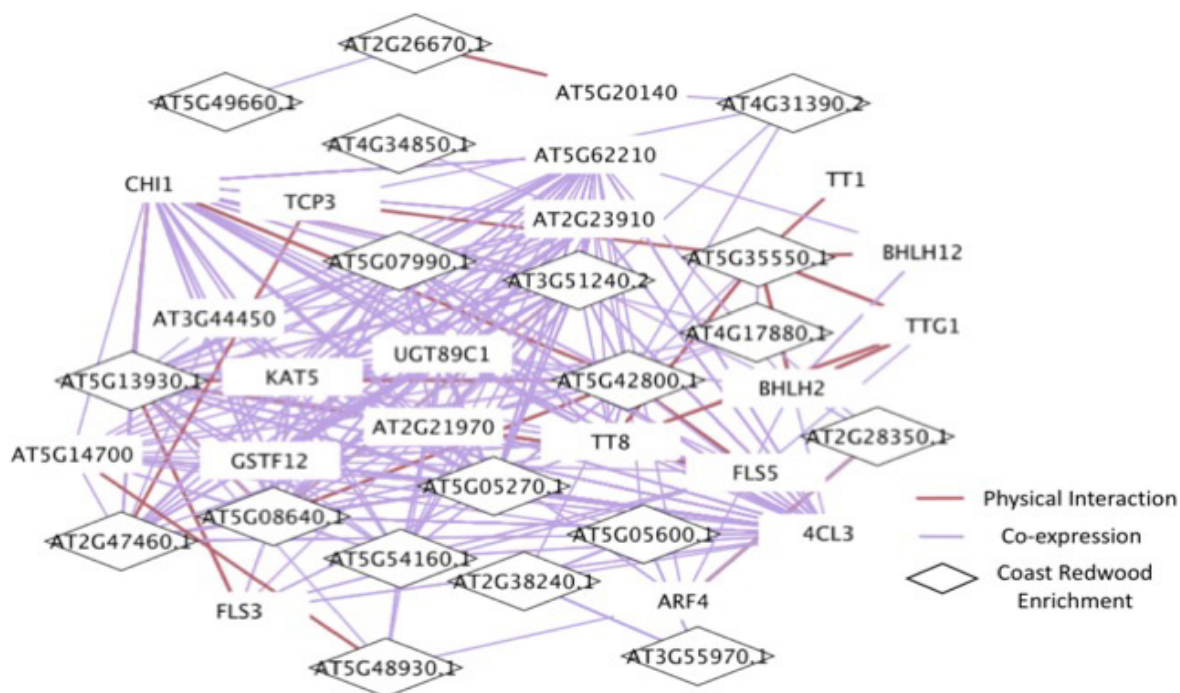


Figure S1: Genes found to be enriched near Copia retroelements are primarily associated with the phenylpropanoid and flavonoid biosynthesis pathways. Genes discovered in coast redwood are shown in a diamond. The red lines between gene nodes represent physical interactions while purple lines link co-expressed genes.

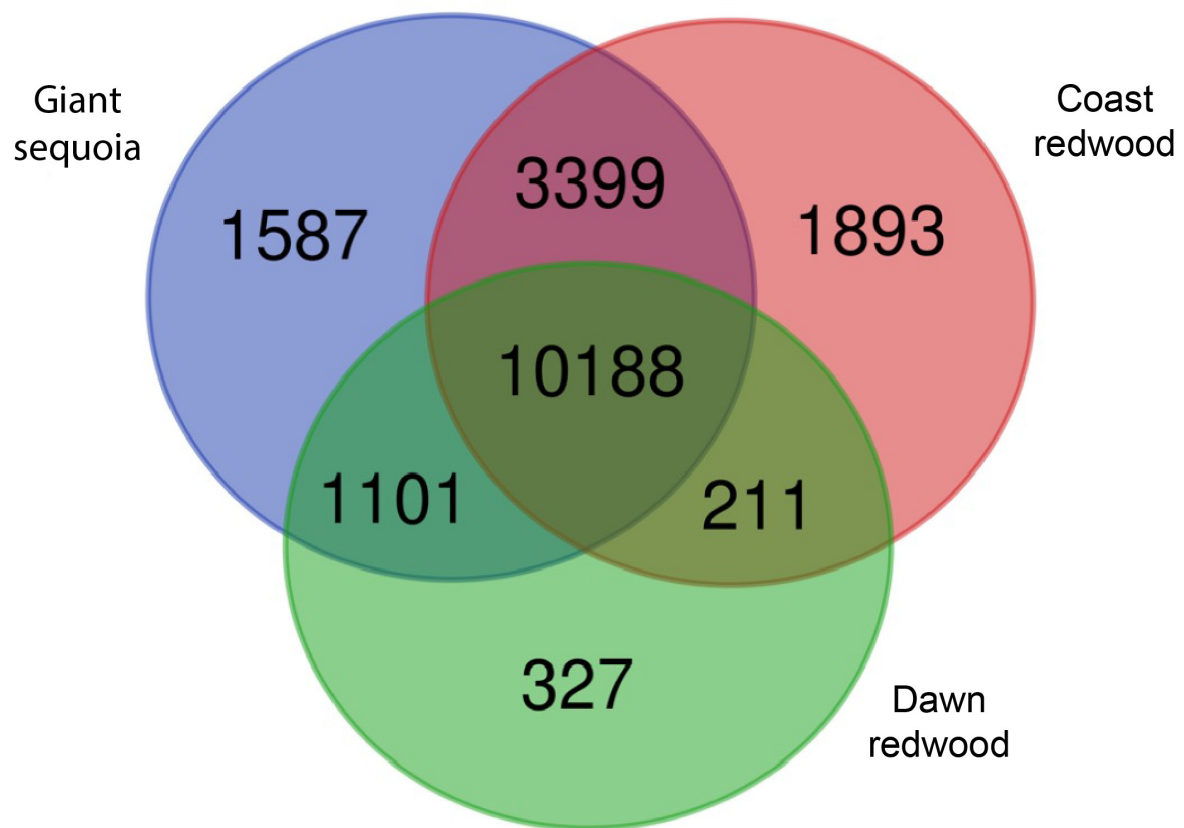


Figure S2: Gene family analysis depicting the shared and unique gene families among giant sequoia, coast redwood, and dawn redwood.

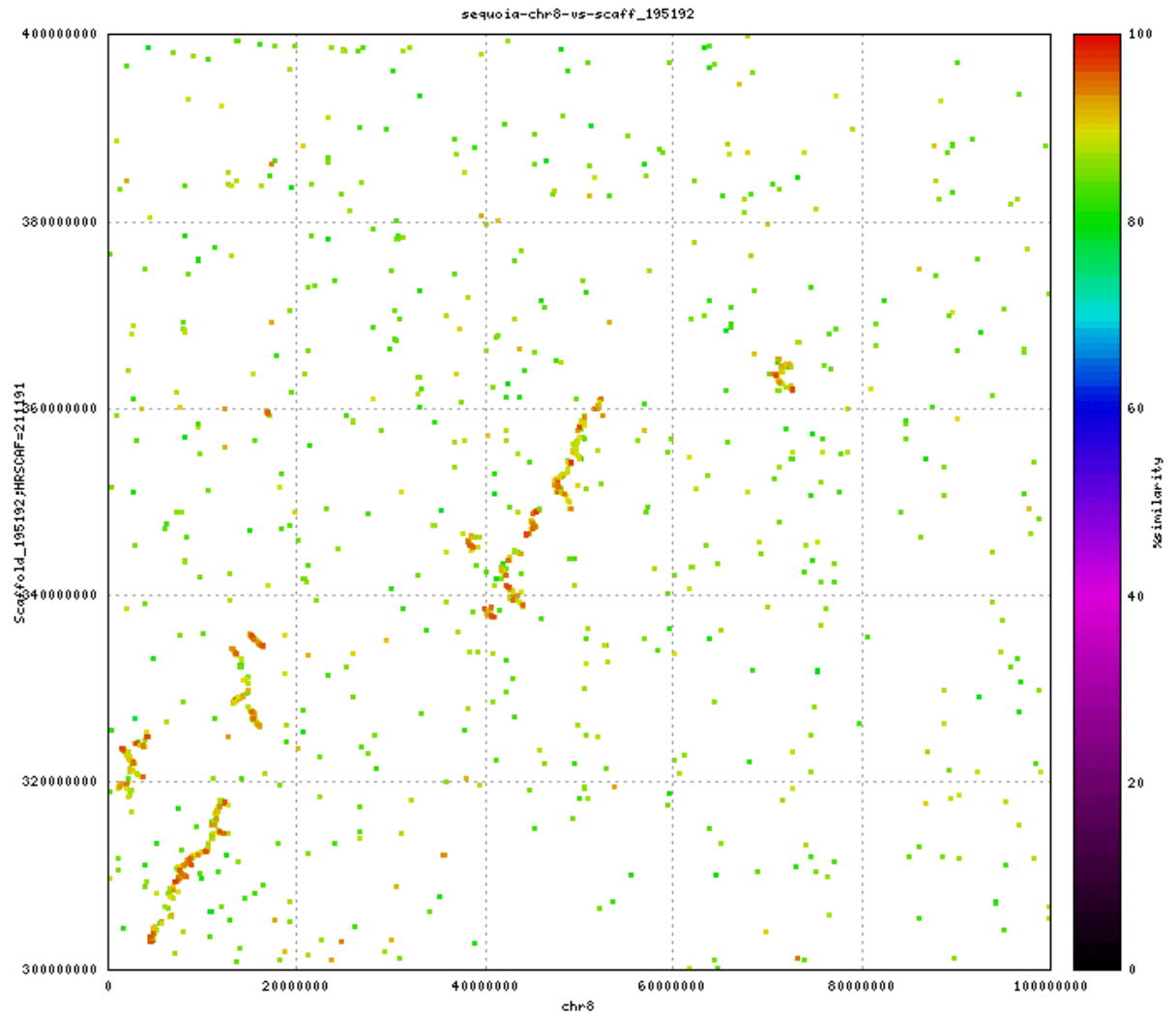


Figure S3: Alignment of coast redwood Scaffold_195192 against giant sequoia chromosome 8 showing a large-scale region (approximately 70 Mb) of synteny. (The total length of each of giant sequoia chromosome 8 and the coast redwood scaffold is >500 Mb.)