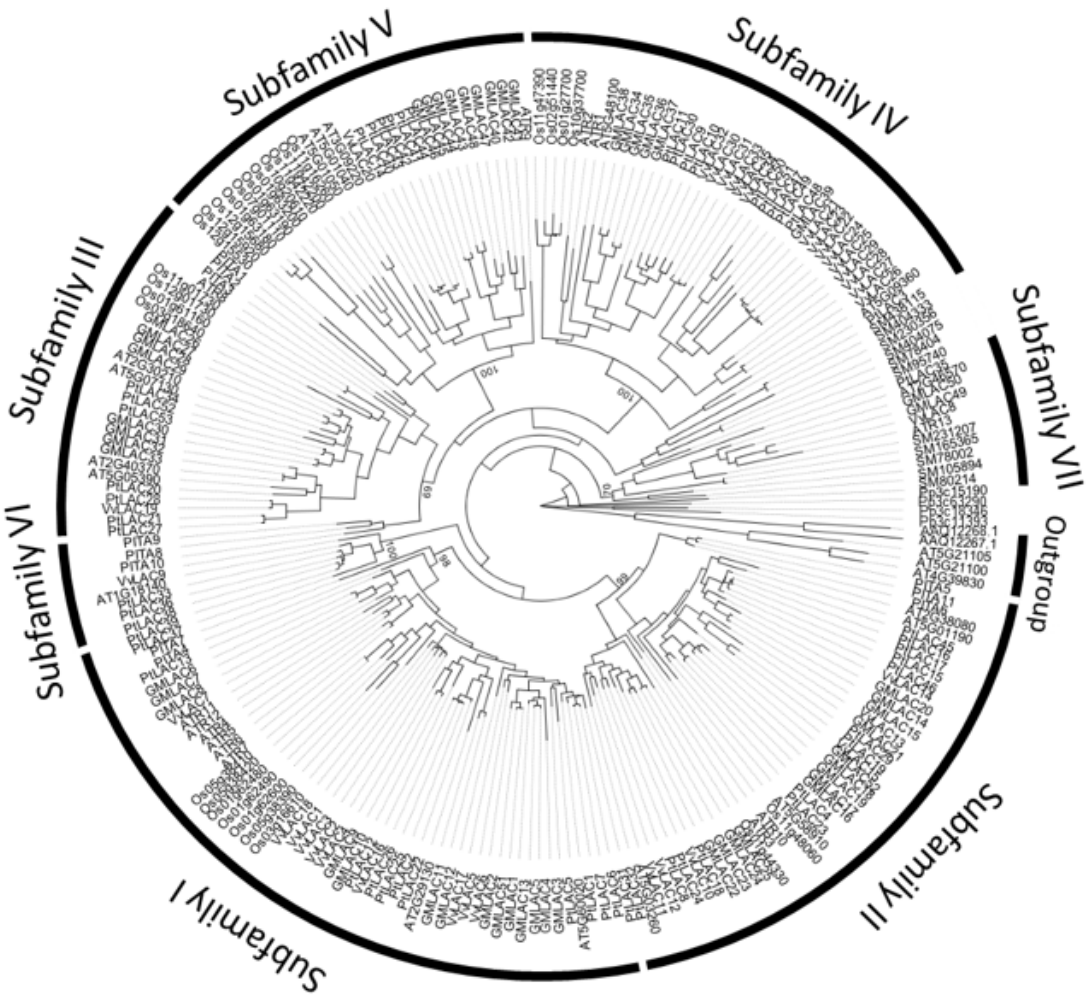


Figure S1. Phylogenetic tree of land plant laccase.

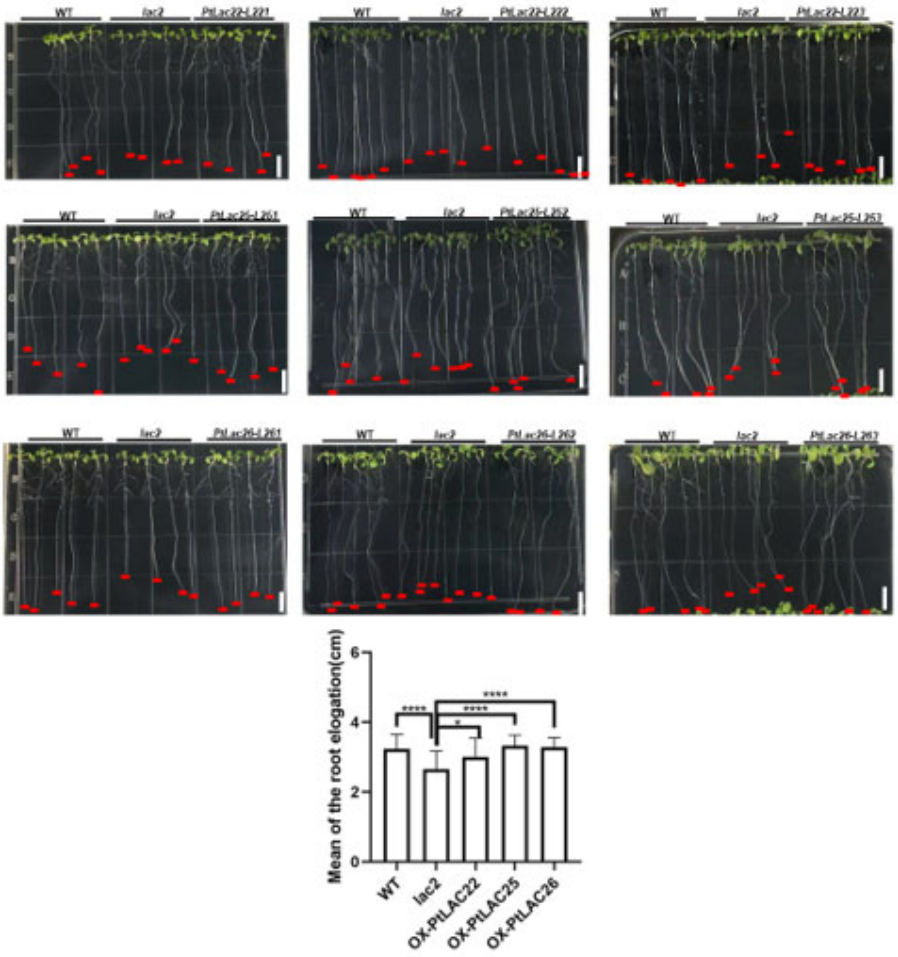


Figure S2. Comparison of root elongation amongst WT, lac2, OX-PtLac22, OX-PtLac25 and OX-PtLac26 un-der normal growth conditions.

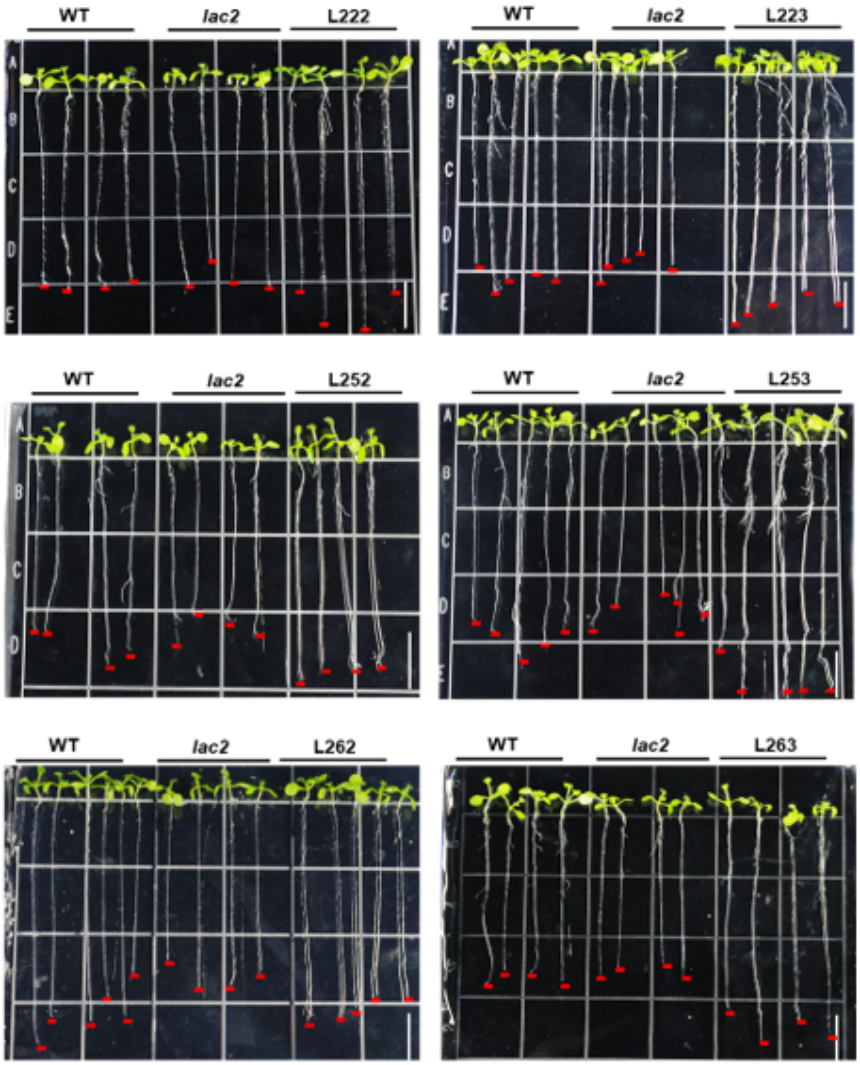


Figure S3. Comparison of root elongation amongst WT, lac2, PtLac22-L222, PtLac22-L223; PtLac25-L252, PtLac25-L253 and PtLac26-L261, PtLac26-L226.

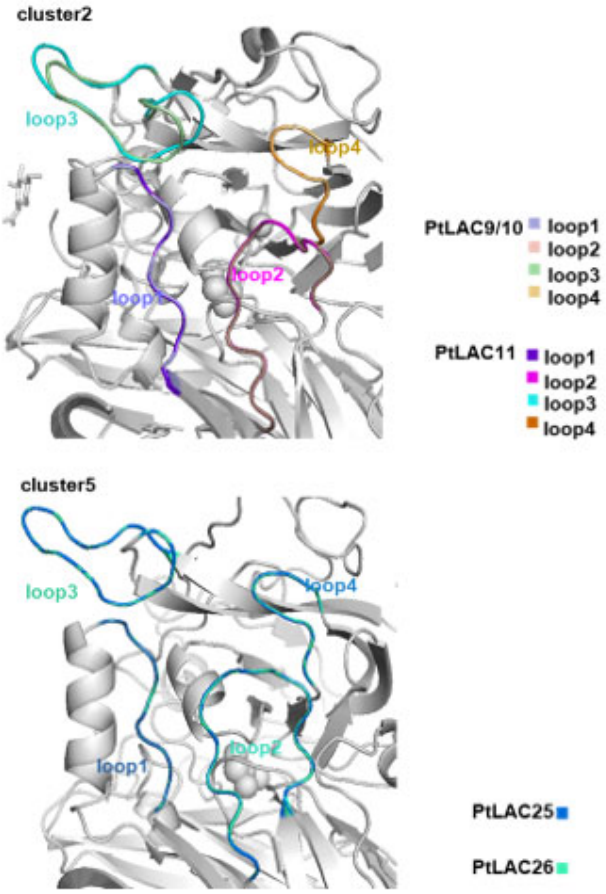


Figure S4. Comparison of three-dimensional protein structure of genes in clusters 2 and 5.

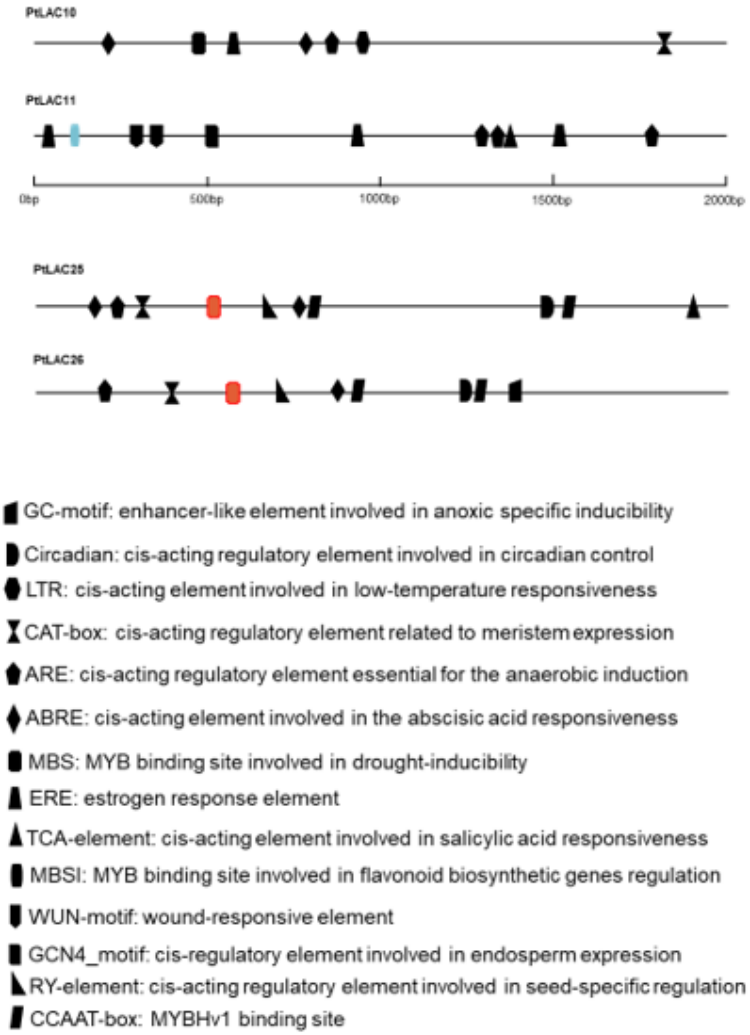


Figure S5. Cis-acting elements in promoter regions of genes in clusters 2 and 5. Table S1 Primers used in the experiments.