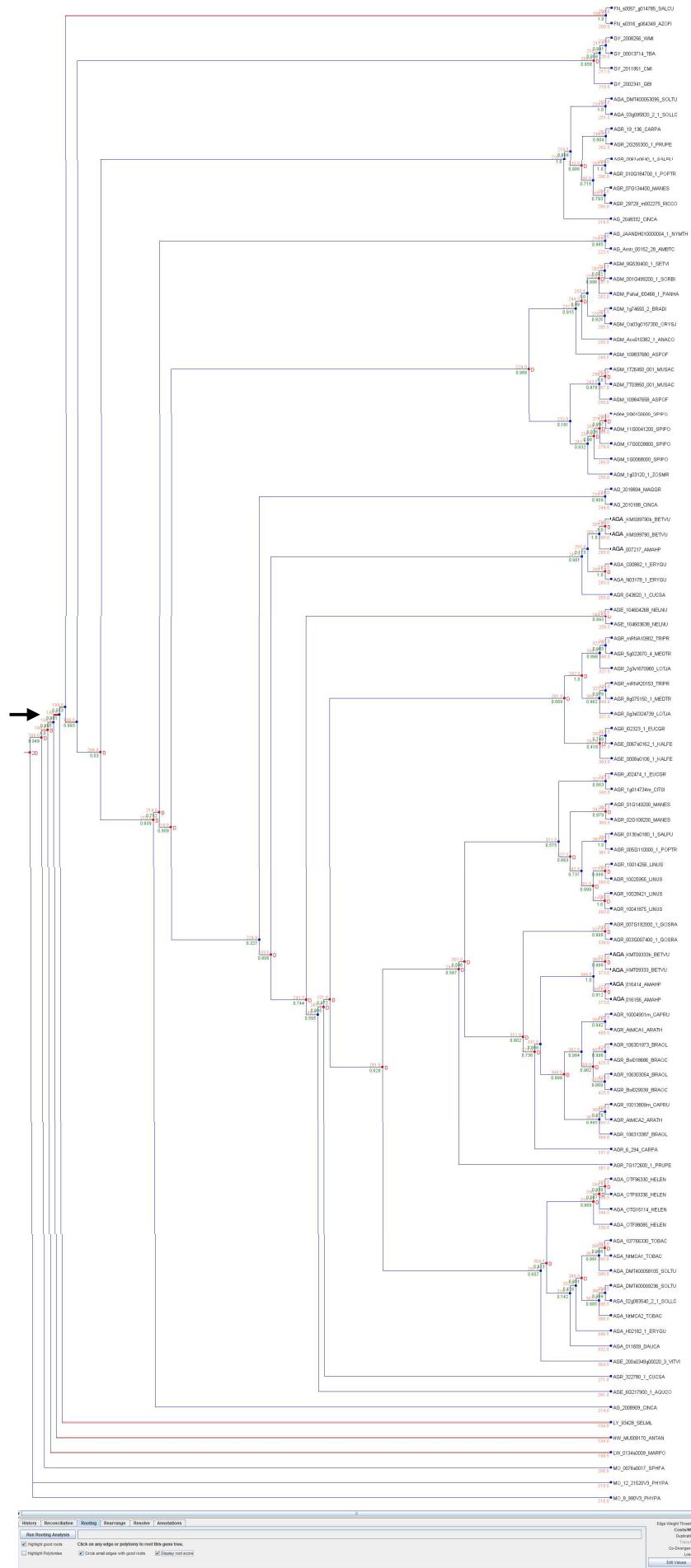


**S14 Appendix. Notung analyses of the MCA tree.** (a) Results of the Notung rooting analyses of the MCA tree. Possible root position is marked in red (arrow). (b) Results of Notung rearrangement of the MCA tree. Rearranged branches are marked in yellow. D: inferred duplication

(a)



(b)

