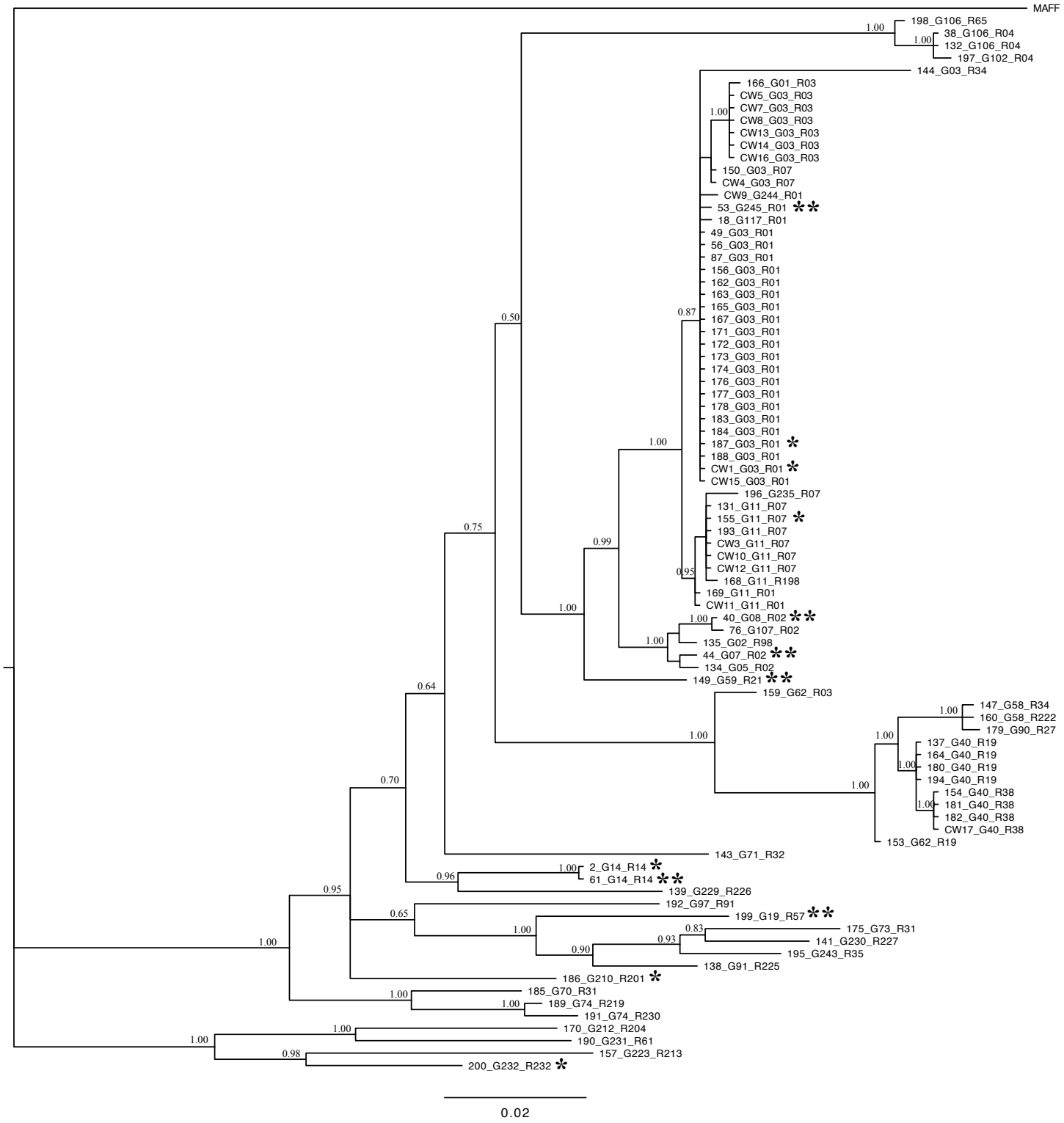

S2 Figure Bayesian CHR phylogram of inoculated Bradyrhizobium isolates reconstructed with concatenated nodZ+nolL and rooted with homologous sequences from *Mesorhizobium loti* MAFF. Bayesian CHR phylogram of inoculated *Bradyrhizobium* isolates Bayesian clade support values (posterior probabilities) are reported for all well- supported clades (pp ≥0.80). Ineffective isolates are noted with an asterisk. Non-nodulating isolates are are noted with double asterisks.