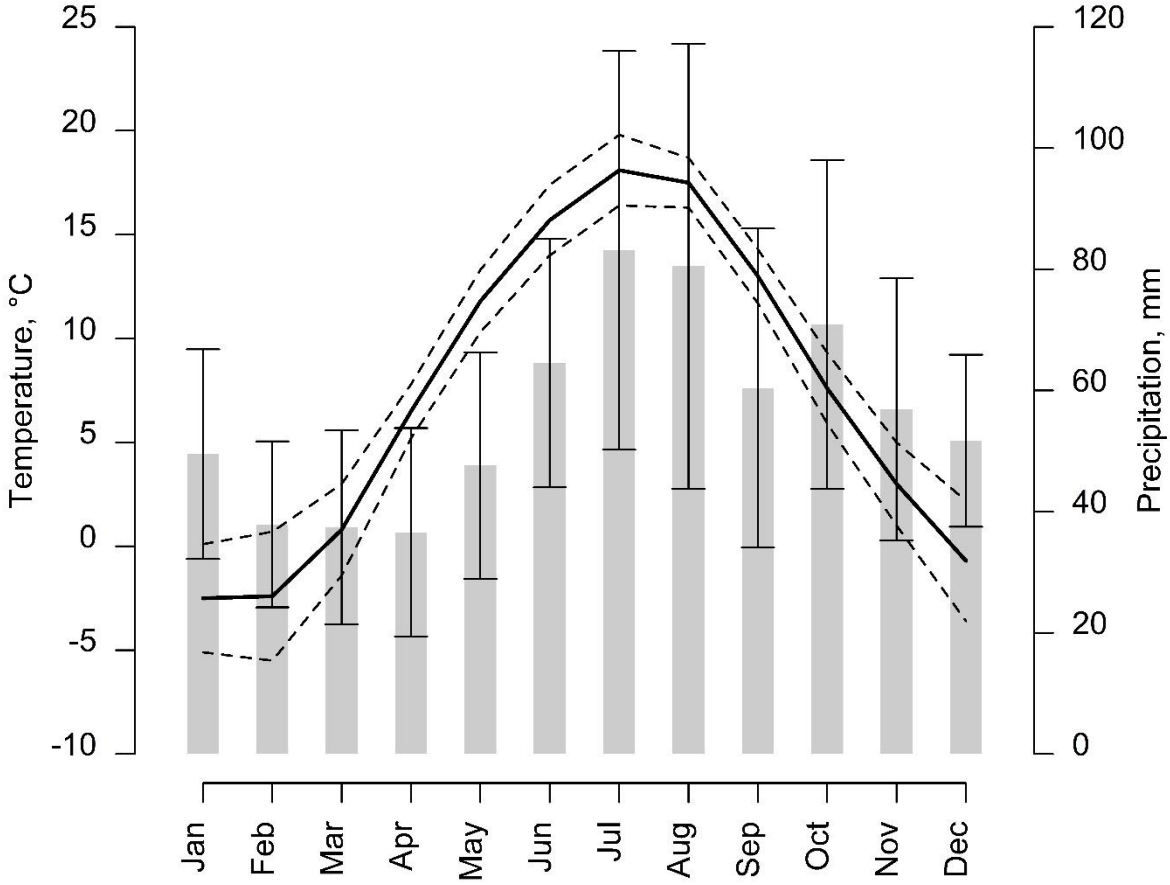


Figure S1. Climatic diagram depicting mean (± standard deviation) monthly temperature (lines) and precipitation sums (bars) for the trial sites between 1992–2022.



Figure S2. Photos of the studied clonal plantation of silver birch (left) and hybrid aspen (right).

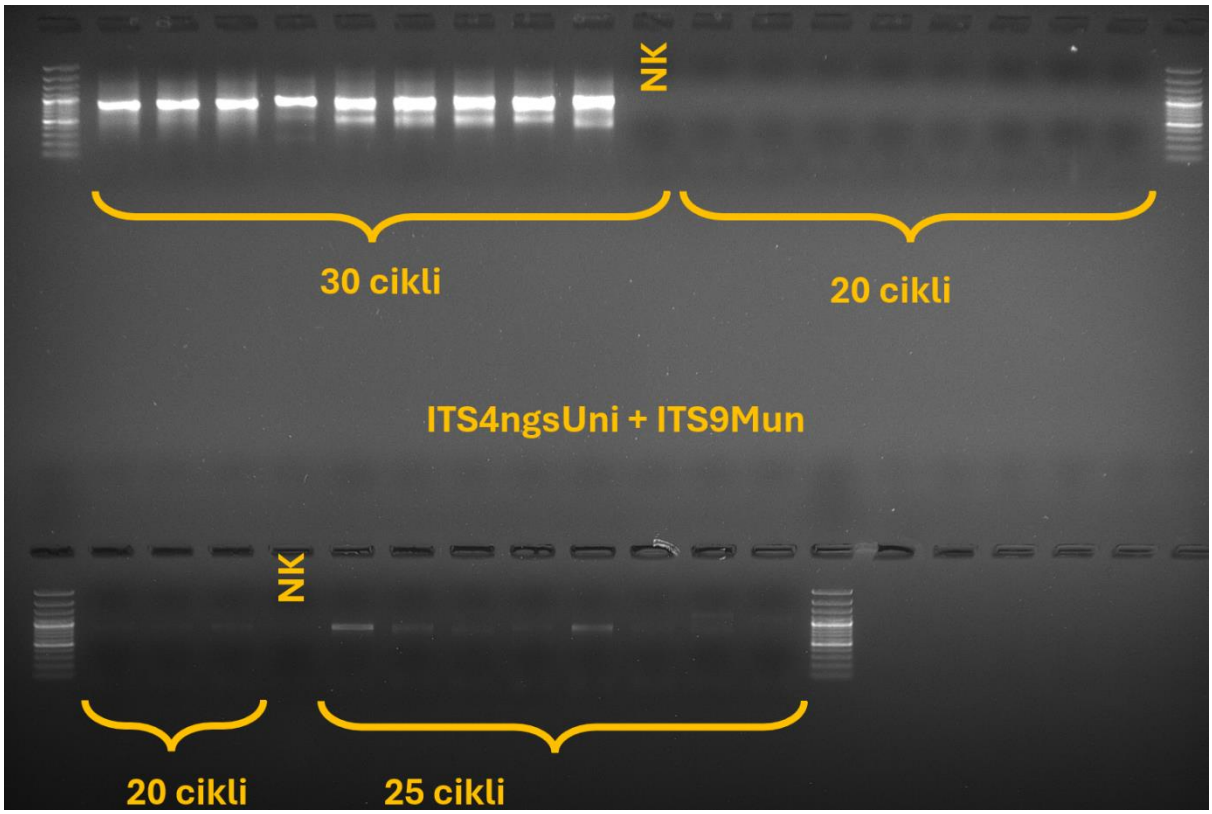


Figure S3. Amplification of 900bp region between ribosomal SSU and LSU genes using ITS4ungsUNI and ITS9Mun primer pair. Amplification performed with 20-30 PCR cycles on DNA extracted from root samples. The amplicon includes ITS1, 5.8S and ITS2 region. NK - negative (no template) control.

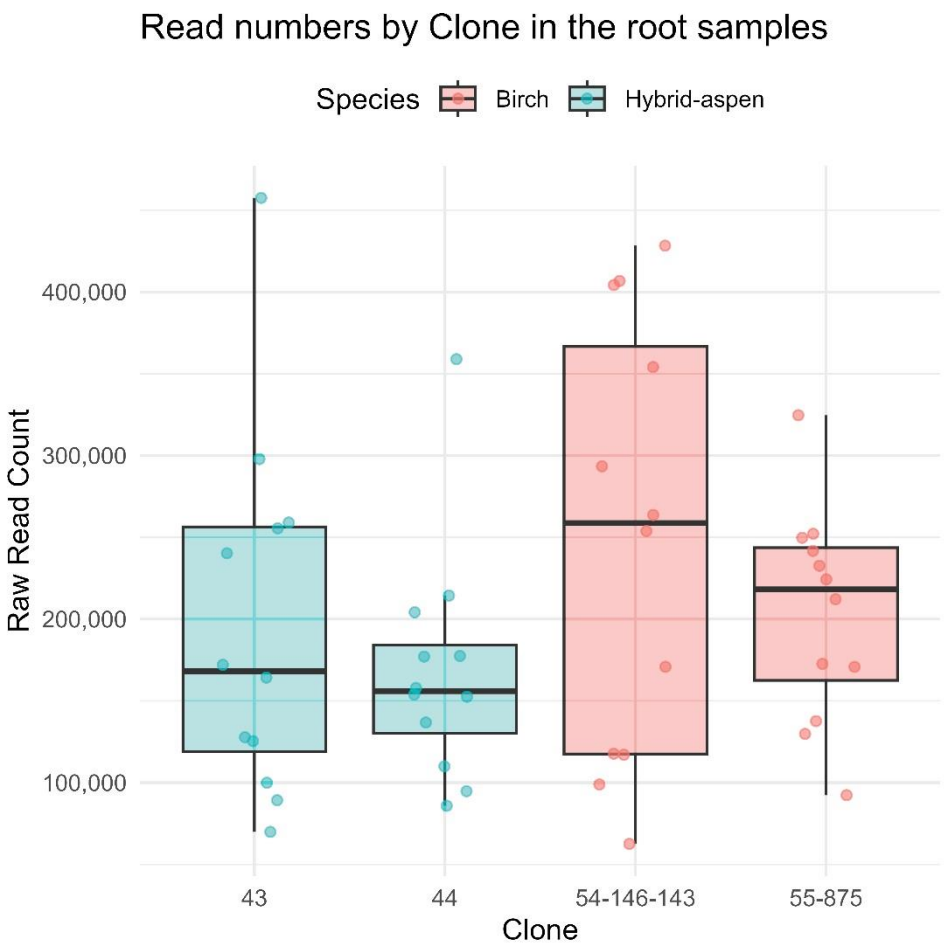


Figure S4. The sequencing run summary: number of reads for the studied clones of silver birch and hybrid aspen. The lines represent median, the boxes represent the quartiles (first and third) and the whiskers show the range of the subsets (up to 1.5 times the interquartile distance). The raw read number before data decontamination is shown.