

Supplementary Data 1. Separation time and source information for 18 Pinot Noir clone samples (NA: Not Available).

Supplementary Data 2. Grape samples used in the analysis.

Supplementary Data 3. The GSEA of genes ranked by PBS values.

Supplementary Data 4. The GO enrichment of genes in the top 1% of f_d regions.

Supplementary Data 5. The GO enrichment of genes associated with fixed SNPs in Pinot Noir.

Supplementary Data 6. The GO enrichment of genes associated with fixed SVs in Pinot Noir.

Supplementary Data 7. The genes involved in the recognition of the pollen process.

Supplementary Data 8. The GO enrichment of genes associated with the SNPs that heterozygous in all grapes.

Supplementary Data 9. Genes associated with the SNPs that remain heterozygous in all grape samples.

Supplementary Data 10. The GO enrichment of genes associated with heterozygous SNPs in PN40024.

Supplementary Data 11. The coverage ratio of reads in and outside of heterozygous blocks for each PN40024 sample. Out: Average read depth outside heterozygous blocks on each chromosome; In: Average read depth within the heterozygous blocks.