Wilkerson, D., Zou, C., Sun, Q., Nigar, Q., Paineau, M., Cantu, D., … Cadle-Davidson, L. (2025). Comparative genomics of *Rpv3*, a multiallelic downy mildew resistance locus in grapevine (*Vitis* sp.). *OENO One*, *59*(1).
https://doi.org/10.20870/oeno-one.2025.59.1.8244

SUPPLEMENTARY DATA

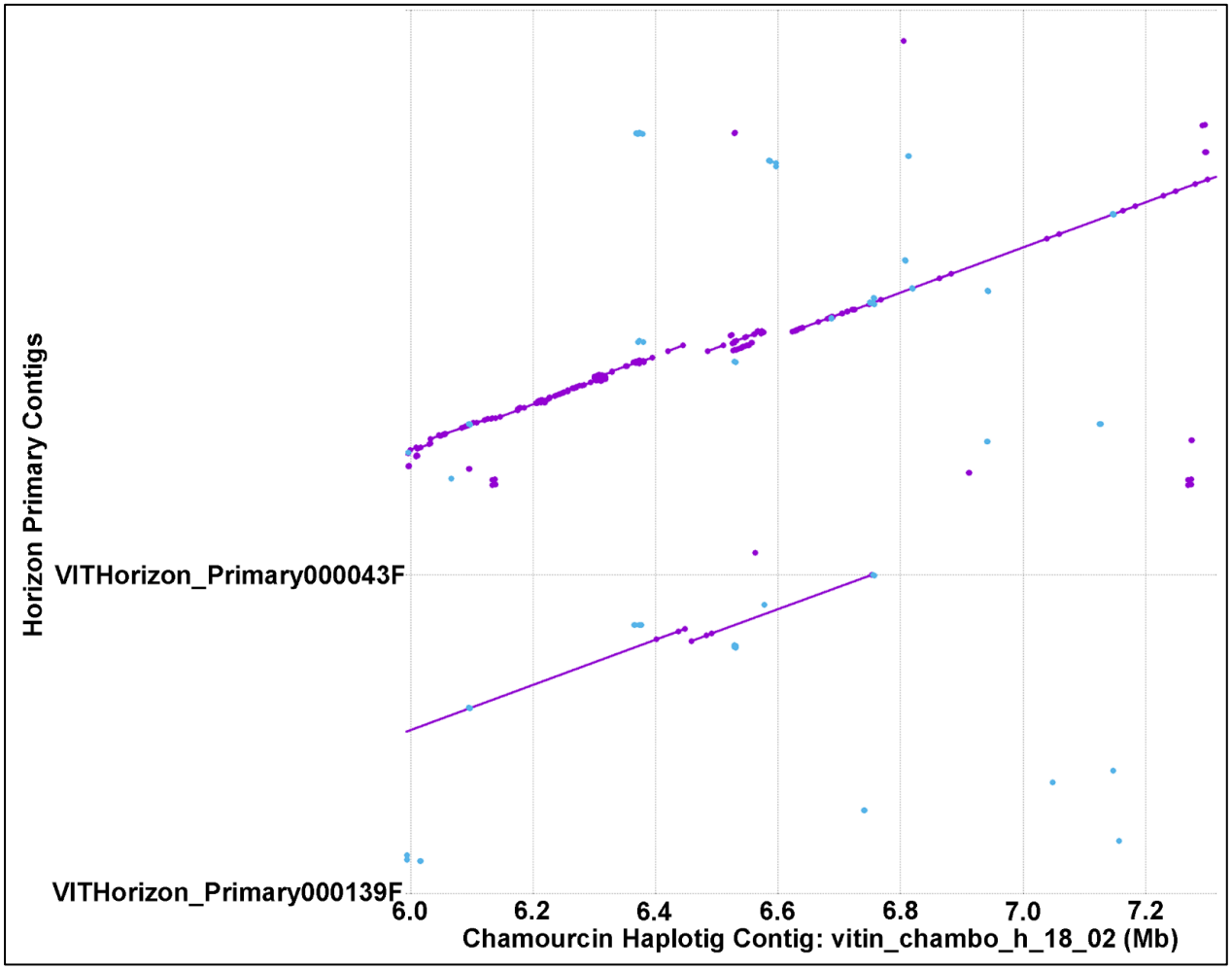


Figure S1. Dotplot alignment of Horizon Primary to the Chambourcin Haplotig *Rpv3* region. Visualization of 'nucmer' results. Purple dots and lines represent forward alignments while blue dots and lines represent inverse alignments.

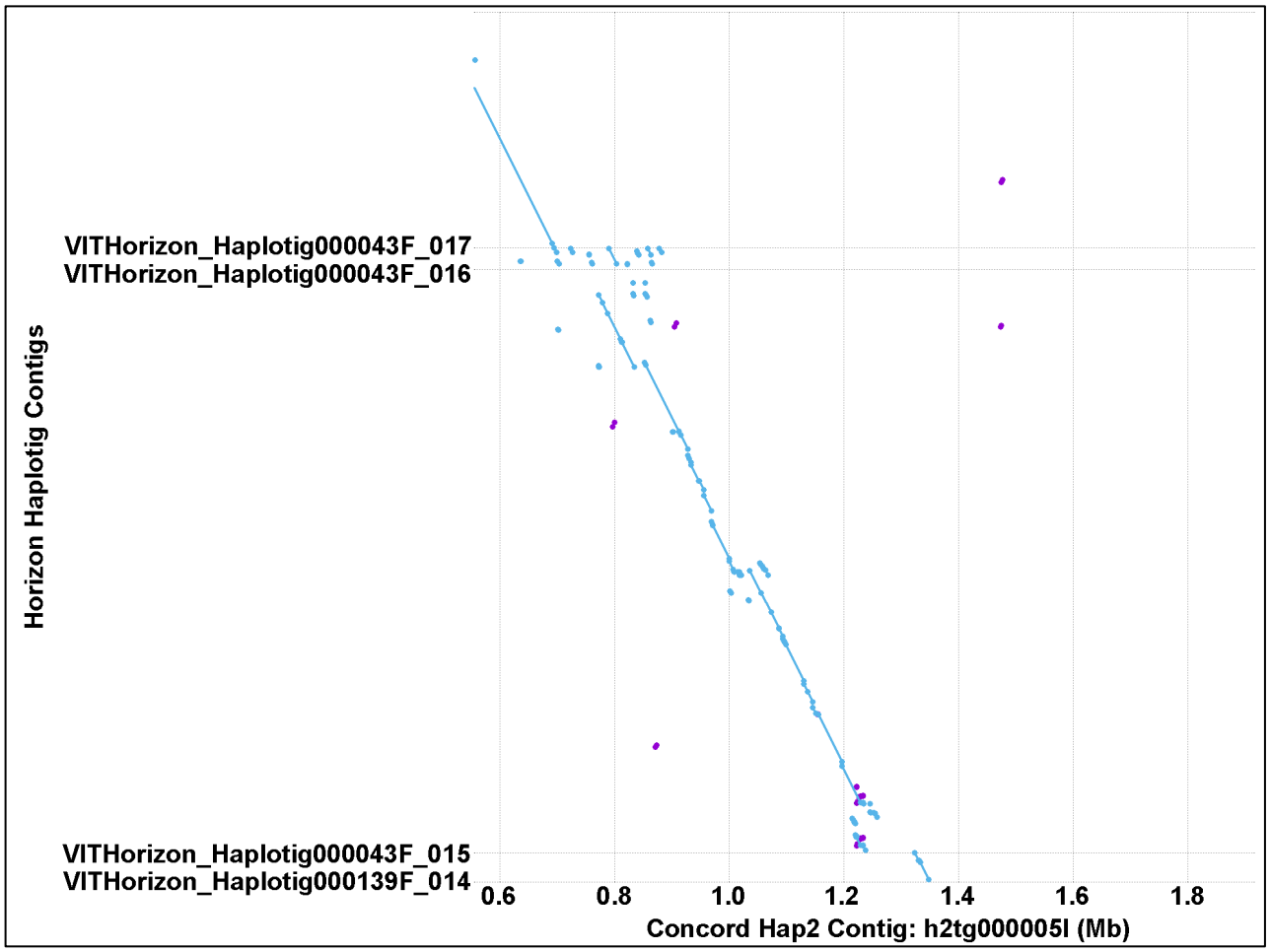


Figure S2. Dotplot alignment of Horizon Haplotig to the Concord Hap2 *Rpv3* region. Visualization of 'nucmer' results. Purple dots and lines represent forward alignments while blue dots and lines represent inverse alignments.

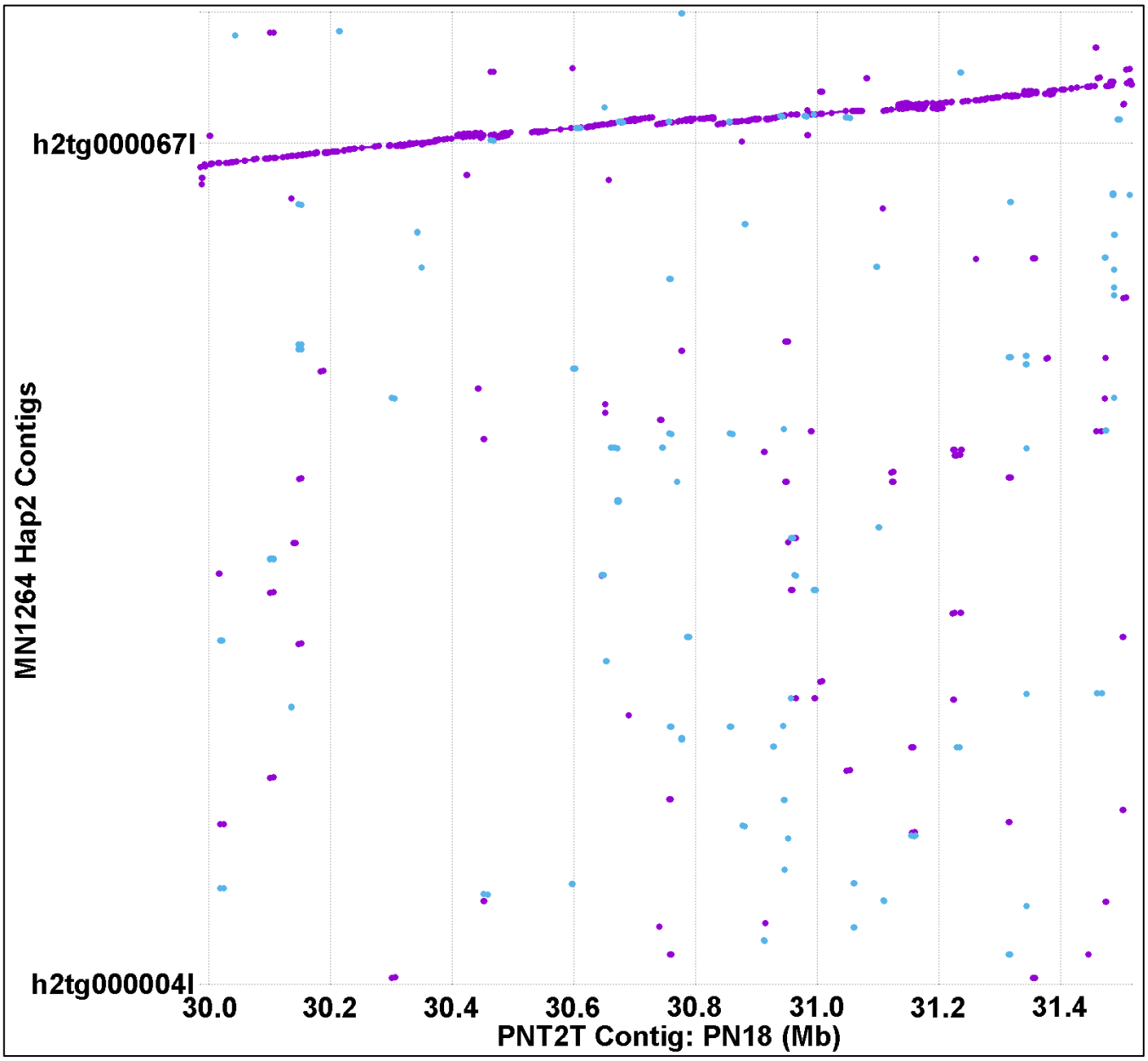


Figure S3. Dotplot alignment of MN1264 Hap2 to the PNT2T *Rpv3* region. Visualization of 'nucmer' results. Purple dots and lines represent forward alignments while blue dots and lines represent inverse alignments.



Figure S4. Unrooted neighbor-joining tree of *TNL1* and *TNL2* gene copies across all haplotypes. Each *TNL1* and *TNL2* are colored based on their SSR-determined *Rpv3*/*Rpv27* allele as *Rpv3.1*: green; *Rpv3.2*: red; *Rpv3.3*: blue; *Rpv27*: orange; *V. vinifera*; purple. Genes lefts black are either the Muscadine outgroup or were not characterized haplotypes as shown in Table 2. Genes labeled with an asterisks (*) were predicted pseudogenes.

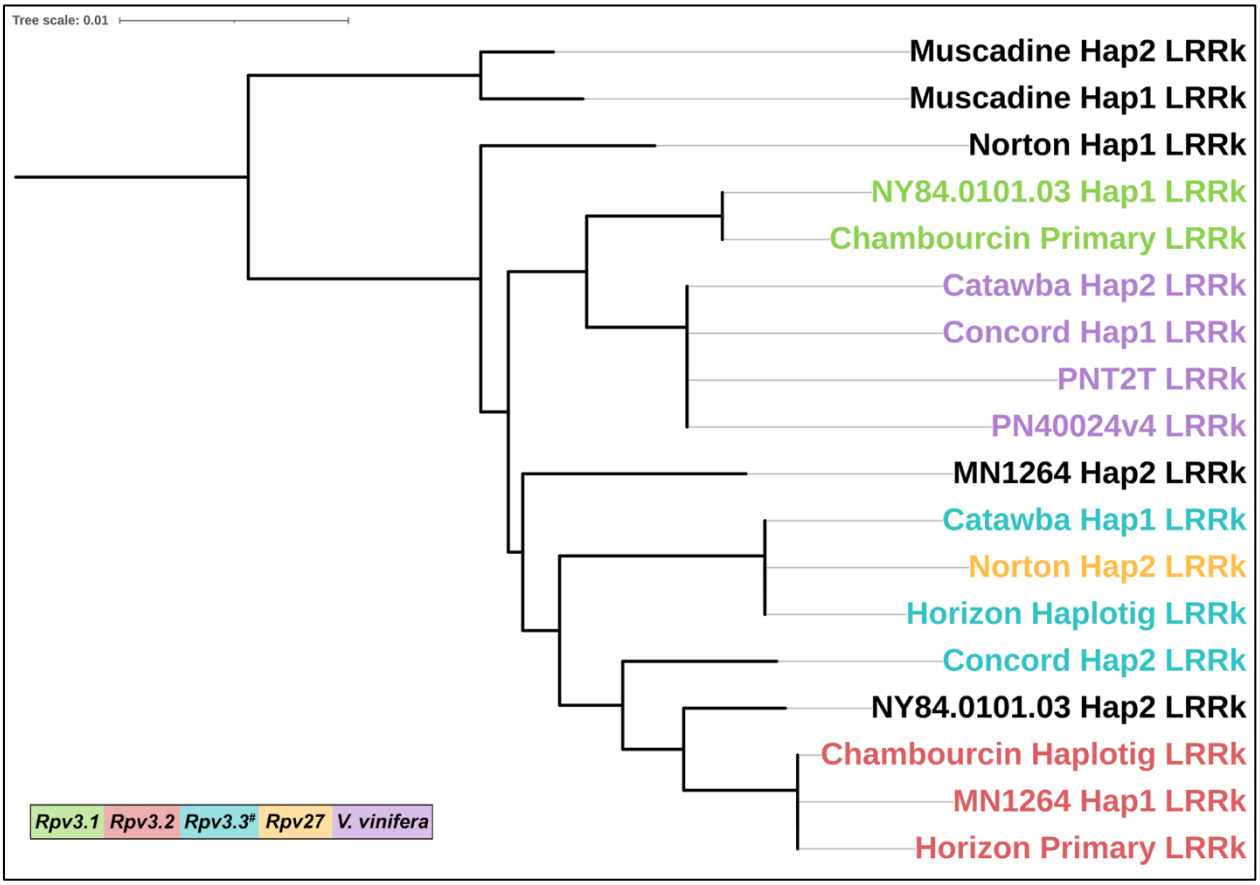


Figure S5. Rooted neighbor-joining tree of *LRRk* across all haplotypes. Each haplotype's *LRRk* are colored based on their SSR - determined *Rpv3*/*Rpv27* allele as *Rpv3.1*: green; *Rpv3.2*: red; *Rpv3.3*: blue; *Rpv27*: orange; *V. vinifera*; purple. Genes lefts black are either the Muscadine outgroup or were not characterized haplotypes as shown in Table 2.