

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Isolate metadata, including the isolate name, possible alternative names used in other publications, geographical location of the sampling site and inferred coordinates, sampling year, filtering status (kept/excluded for the analyses in the manuscript) as well as the NCBI Bioproject corresponding to the sequencing data.

File Name: Supplementary Data 2

Description: Sequencing depth per isolate and per chromosomes, as well as the median on the core chromosomes.

File Name: Supplementary Data 3

Description: Clustering results from the population structure. Each line reports the cluster membership value for each cluster and the cluster we assigned it to (based on a 0.75 threshold) or NA if the isolate was considered a hybrid/admixed genotype.

File Name: Supplementary Data 4

Description: Bioclimatic variables and their number of significantly associated variants and loci.

File Name: Supplementary Data 5

Description: Genes impacted by the significant variants from the GEA analysis.

File Name: Supplementary Data 6

Description: Overlap between the GEA significant loci and the QTL from Lendenmann et al.

File Name: Supplementary Data 7

Description: Summary statistics of the de novo draft assemblies obtained from Illumina resequencing datasets.