

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Assembly Scaffold size post proximity ligation scaffolding

File name: Supplementary Data 2

Description: Genome Assembly Stats

File name: Supplementary Data 3

Description: Repeat elements masked by Repeat Masker

File name: Supplementary Data 4

Description: Duplicated genesets in PMJ

File name: Supplementary Data 5

Description: MADS-box TF Genes in Ple. Miss Joaquim 'Agnes'

File name: Supplementary Data 6

Description: Enzymes involved in Anthocyanin Pathway

File name: Supplementary Data 7

Description: Enzymes involved in Stilbenoid/Phenylpropanoid Pathway

File name: Supplementary Data 8

Description: Curated volatiles identified using GC-HRMS in positive/negative mode

File name: Supplementary Data 9

Description: Curated Volatile identified using GC-HRMS and their smell profile

File name: Supplementary Data 10

Description: Beta-ionone synthesis via the carotenoid pathway

File name: Supplementary Data 11

Description: ONT Library Statistics

File name: Supplementary Data 12

Description: Shotgun WGS Library Statistics

File name: Supplementary Data 13

Description: Omni-C Library Statistics

File name: Supplementary Data 14

Description: RNA-Seq Library Statistics

File name: Supplementary Data 15

Description: Source data behind Figure 5b

File name: Supplementary Data 16

Description: Source data behind Figure 6a

File name: Supplementary Data 17

Description: Wilcoxon pairwise test across tissue group for Figure 6a (* $p \leq 0.05$, ** $p < 0.01$)

File name: Supplementary Data 18

Description: Source data behind Fig. 6b

File name: Supplementary Data 19

Description: Source data behind Figure 8d

File name: Supplementary Data 20

Description: Wilcoxon pairwise test across tissue group for Figure 8d (* $p \leq 0.05$, ** $p < 0.01$)