Description of Additional Supplementary Files

Supplementary Data 1

Description: Public datasets used for assembly quality assessment

Supplementary Data 2

Description: Introduced heterozygous variants and errors in the simulated hg38 assemblies

Supplementary Data 3

Description: Comparison of CRAQ output and simulated errors in the simulated hg38_sim2

Supplementary Data 4

Description: Simulated errors missed by CRAQ (false negatives)

Supplementary Data 5

Description: Potential error locus in the HiCanu assembly of D. melanogaster hybrid F1

Supplementary Data 6

Description: CREs and CSEs identified in the Canu assembly of S. pennellii

Supplementary Data 7

Description: SyRI SV statistics for the Canu assembly of S. pennellii

Supplementary Data 8

Description: Statistics for CSE breakages and overlaps with BioNano conflicts in A. oxysepala

Supplementary Data 9

Description: Bionano conflicts in A. oxysepala and overlaps with CSEs

Supplementary Data 10

Description: Comparison of quality evaluation for A. oxysepala before and after CRAQ correction