

1020 trees, 17 SSR & 15 SNPs, 56 populations

CLUSTGEO

Geographic and genetic
euclidean distances

7 CSUs: 376 *C. silique*

RADseq QC

350 samples

36 samples

de novo assembly

Reference

clust_threshold 0.9-0.96
min_sample_locus 30
mindepth_statistical 8

350 samples

Pyrad2fasta

assembly using reference

min_sample_locus 45
clust_threshold 0.94

10012 SNPs, 64% MD
350 samples

matrix condenser

12767 SNPs, 14% MD
190 samples

R Script

1 SNPs by locus (max MAF per locus)
AF > 1.05%

3613 SNPs, 9.5% MD
190 samples

Outflank

value false
false discovery rate 5%

GWN (genome wide nuclear) dataset:
190 samples, 3557 SNPs

190 samples, 41 loci organelle data:
14 MH and 27 PH
(mitochondrion and plastid haplotypes)