

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Correspondence table of gene IDs from the quinoa V1 and QQ74-V2 annotations.

File name: Supplementary Data 2

Description: Repetitive elements annotation statistics

File name: Supplementary Data 3

Description: Representation of complete LTR element families between *C. quinoa* subgenomes

File name: Supplementary Data 4

Description: Repeat content and dynamics between genomes

File name: Supplementary Data 5

Description: Scoring the Cq3B pericentromeric inversion in 184 quinoa accessions

File name: Supplementary Data 6

Description: Syntenic relationships between quinoa subgenomes

File name: Supplementary Data 7

Description: Chromosomal rearrangements within and between *C. quinoa* subgenomes

File name: Supplementary Data 8

Description: Patterns of diploid *C. pallidicaule* and *C. suecicum* read mapping against quinoa subgenomes