

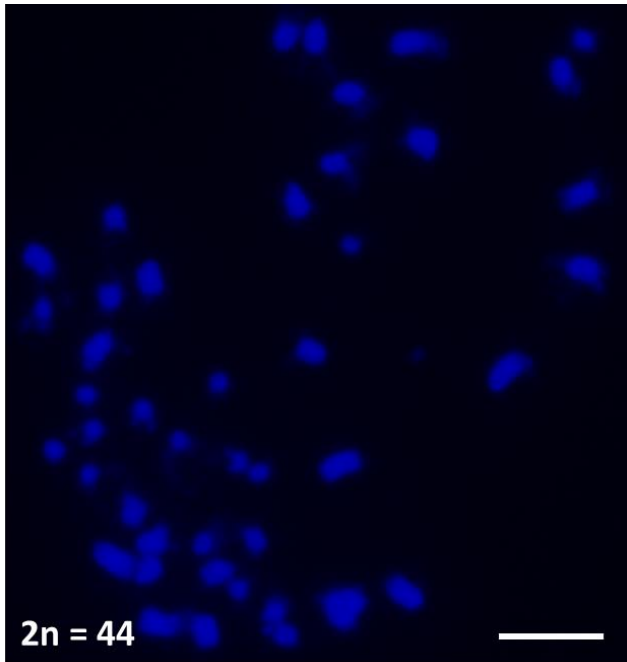
A wide range of chromosome numbers result from
unreduced gamete production in *Brassica juncea* × *B.*
napus (AABC) interspecific hybrids

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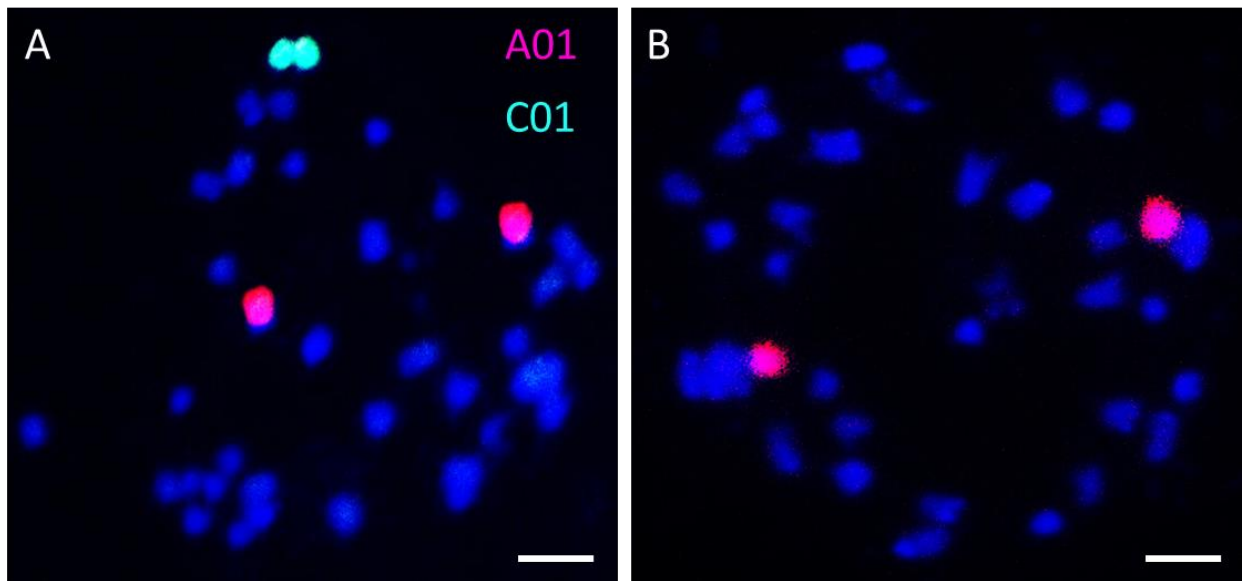
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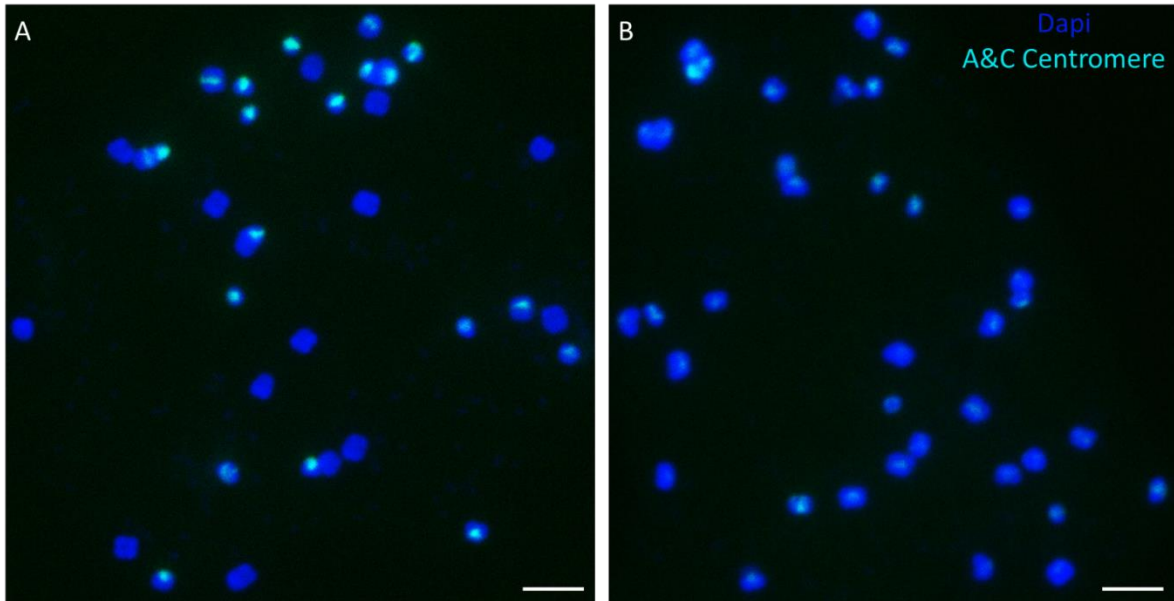
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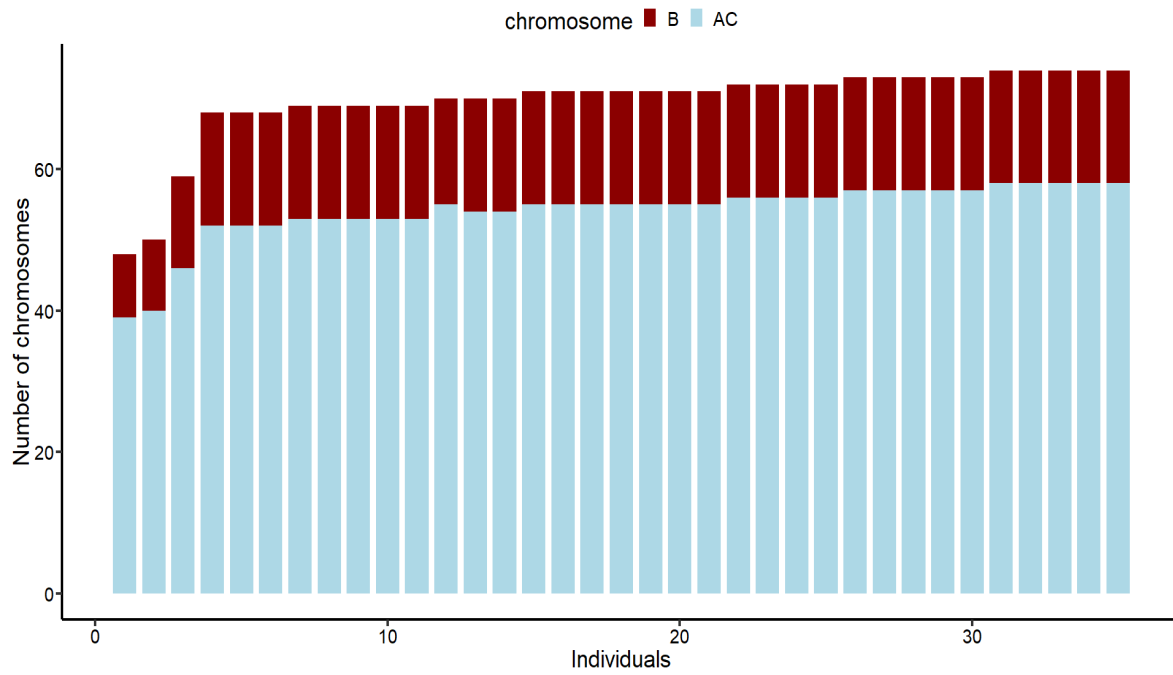
Supplementary Figure 1: Mitotic metaphase chromosome spreads from the S_1 parental hybrid resulting from the cross *Brassica juncea* \times *B. napus* followed by one generation of self-pollination. Predicted chromosome number for a first-generation interspecific hybrid is $2n = 37$ (AABC) chromosomes. Bar = 10 μm .



Supplementary Figure 2: Identification of the number of copies of chromosomes A01 and C1 in the interspecific hybrids resulting from the cross *Brassica juncea* × *B. napus* followed by two generations of self-pollination. A) Parental *Brassica napus* with 2 A01 chromosomes (red) and 2 C1 chromosomes (Turquoise). **B)** Parental *Brassica juncea* with 2 A01 chromosomes. Chromosomes are counterstained with DAPI (blue). Bars = 10µm.



Supplementary Figure 3: Identification of the A and C-genome chromosomes (green) with *Brassica* centromere probes CentBr1 and CentBr2 in the parental *Brassica juncea* (A) and *B. napus* (B). Chromosomes are counterstained with DAPI (blue). Bars = 10μm.



Supplementary Figure 4: Distribution of the number of B and AC-genome chromosomes in the interspecific hybrids resulting from the cross *Brassica juncea* × *B. napus* followed by two generations of self-pollination.