

Additional file 4 The number of clones for each sub-genome in allopolyploid *Gossypium*.

	DT Clones	AT Clones	Total
AD1L	3	21	24
AD1B	3	9	12
AD2L	4	19	23
AD2B	4	7	11
AD3L	7	17	24
AD3B	6	21	27
AD4L	13	21	34
AD5L	13	14	27
AD5B	10	14	24

AD1-AD5 denote *G. hirsutum*, *G. barbadense*, *G. tomentosum*, *G. mustelinum*, and *G. darwinii*, respectively. The L and B suffixes correspond to leaf and bud tissue respectively. Diagnostic SNPs were used to assign each clone to the AT or DT homoeolog. All clones are derived from three independent PCR reactions and three independent transformations, except AD1B (1). Only partial data were obtained for *G. mustelinum* leaf bud tissue, and clones were obtained from a single PCR reaction for *G. hirsutum*.