**Figure S3** Mitotic chromosomes in root tip cells of allohexaploids. FISH was performed as described in Fig. 3. Composites as well as separate Texas Red, Fluorescein, and DAPI channels are shown for 4 examples A-D: F6 6-1-8, E-H: F7 6-1-9, I-L: F7 19-1-9-1. M-P F7 19-1-9-1. Numbers in top right corner of each panel indicate the chromosome number of that particular cell (green: At chromosomes; red: Aa chromosomes). In panel O the At chromosome number maybe 17 or 18, but either case indicates hyperploidy.