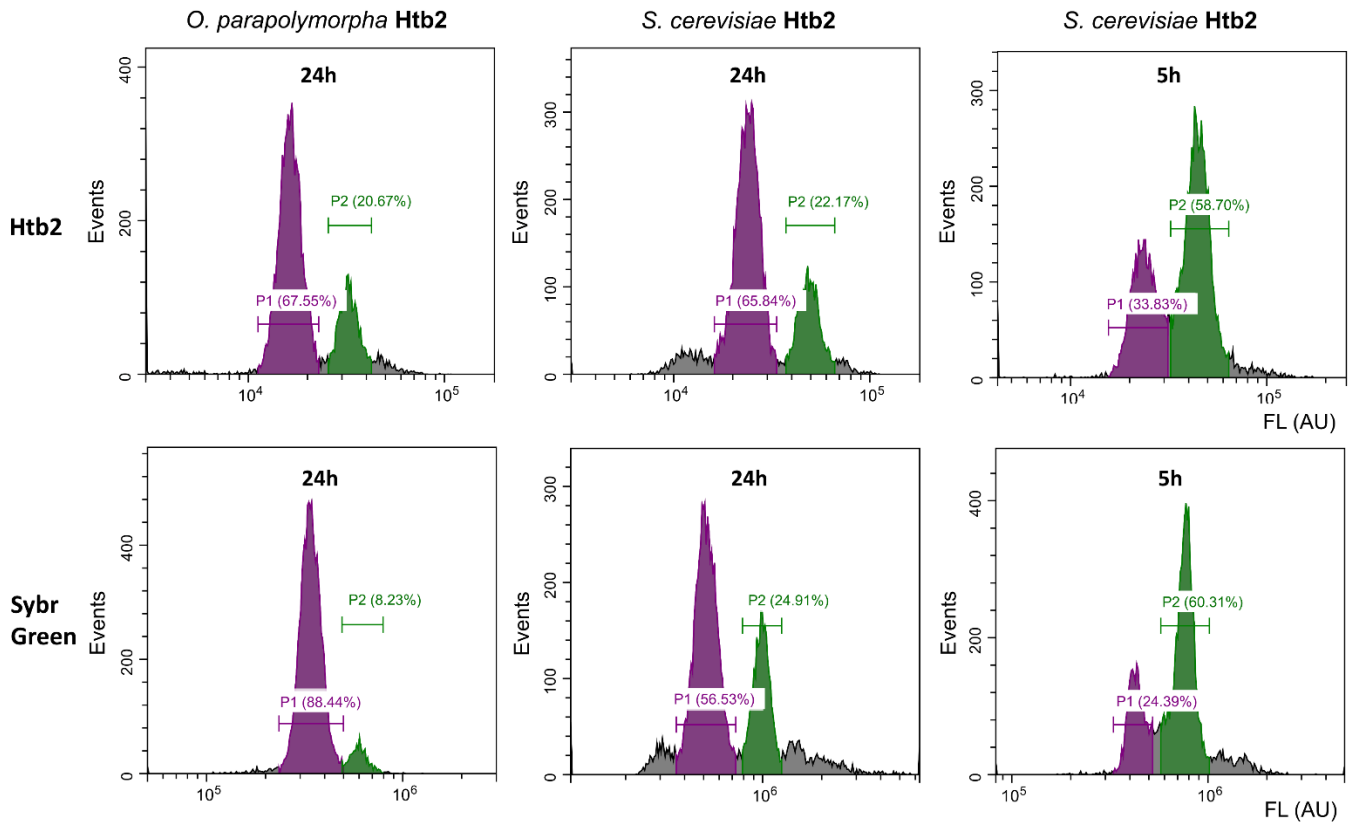
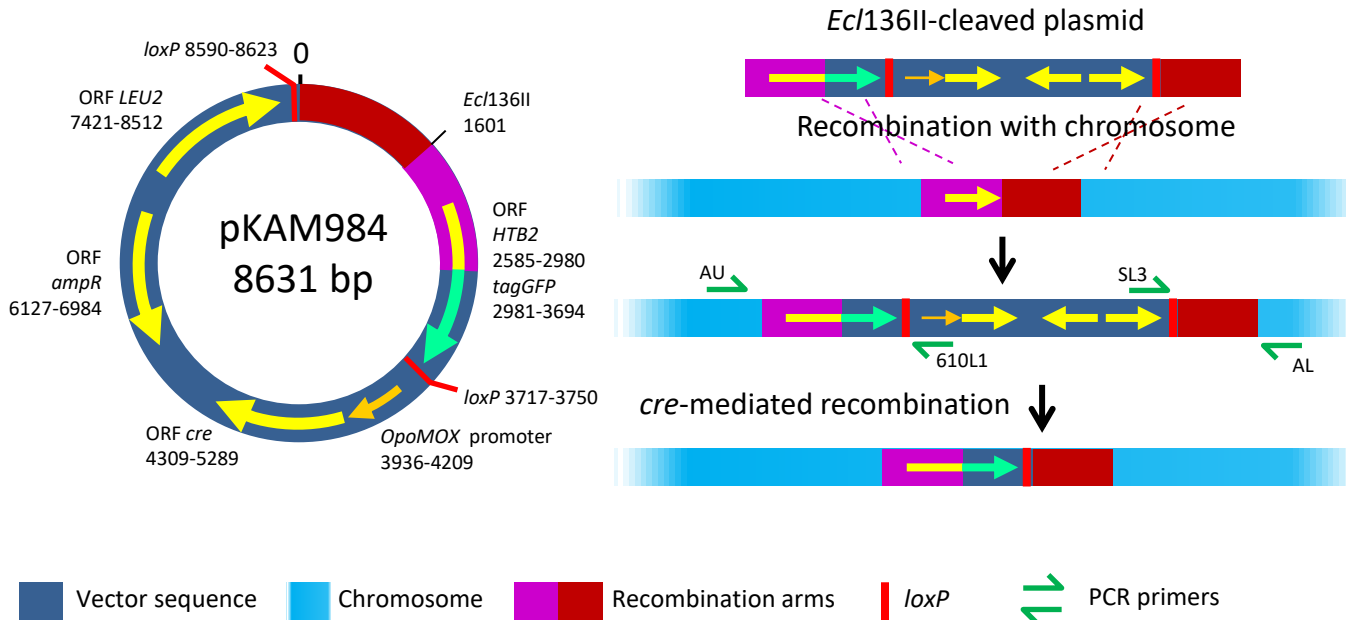


**Figure S1.** Pepsin treatment is not required either for efficient RNase treatment nor for PI staining. The *O. polymorpha* exponentially grown cells we subjected to the fixation-PI staining procedure described in Materials and Methods, which includes RNase treatment (RNase), or the procedure omitting the RNase treatment step (No treatment), or the procedure with additional pepsin treatment step prior to the RNase treatment (Pepsin RNase).

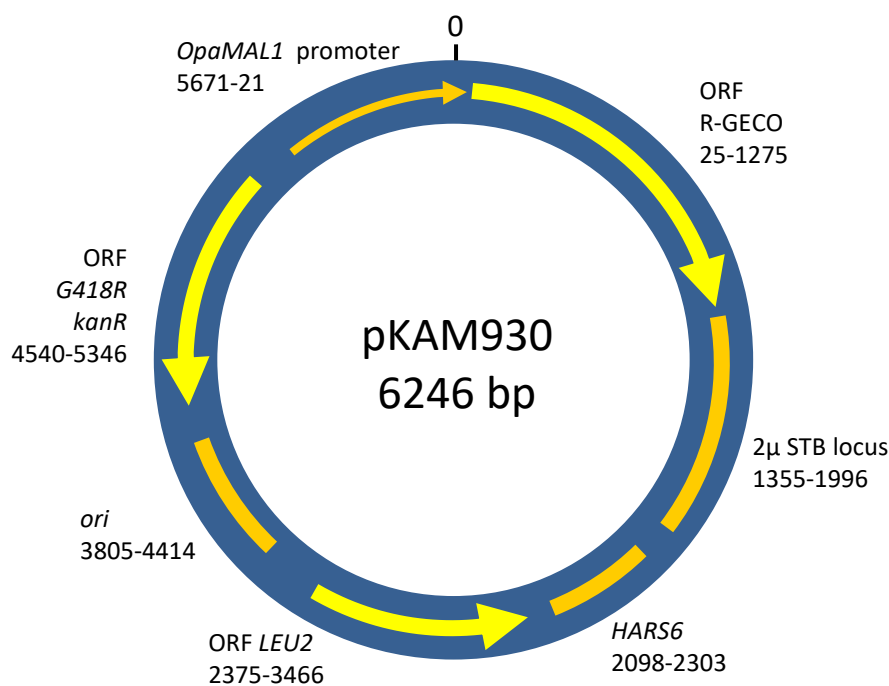


**Figure S2.** Gates for measuring the 1c and 2c

**Map and sequence of the pKAM984 plasmid, scheme of its genome integration and positions of primers 610L1 (GACGGCTAAAGCGAGTGG), SL3 (GGTGTATGCTGTCGCCGAAGAAG), AU (GGTGGAAATGAGCAGAGAGG), and AL (GGATCGTGAACAGCTTAGTGG), used for the PCR analysis of the integration locus.**

[illegible]

# Map and sequence of the pKAM930 plasmid.



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