

File S3 saturn is caused by two mutations that are mapped to 69C-70C (saturn^{dist}) and 72B-80B (saturn^{prox}). Summary of SNPs genotyping. (A) 206 putative recombinants were genotyped for the SNPs at 61A and at 75F. Non-recombinant lines (group 3) are excluded from the subsequent assays. 6/80 recombinant lines have a hypomorphic phenotype, suggesting that the presence of two closely-linked mutations near to 75F. (B) Initial second-stage genotyping reveals that saturn^{dist} lies in 69C-72B and saturn^{prox} mutation is between 72B and the 80B (FRT), and further genotyping places saturn^{dist} mutation between 69C and 70C. WGS shows that saturn^{prox} and saturn^{dist} represent mutations in klc and mael, respectively (see results).