

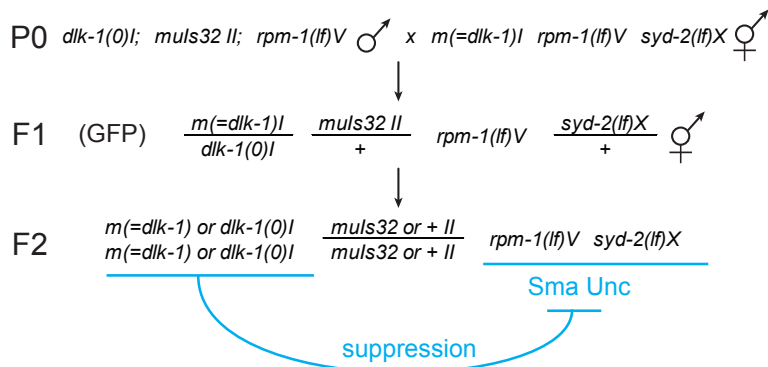
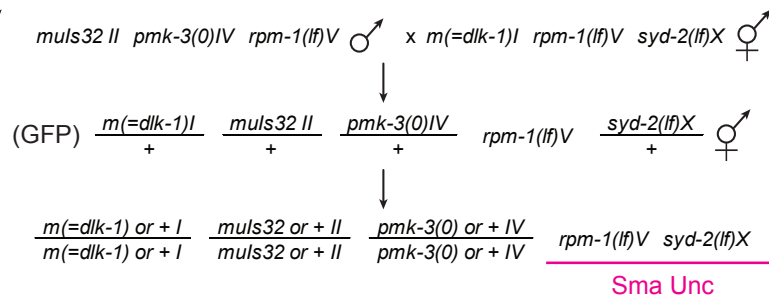
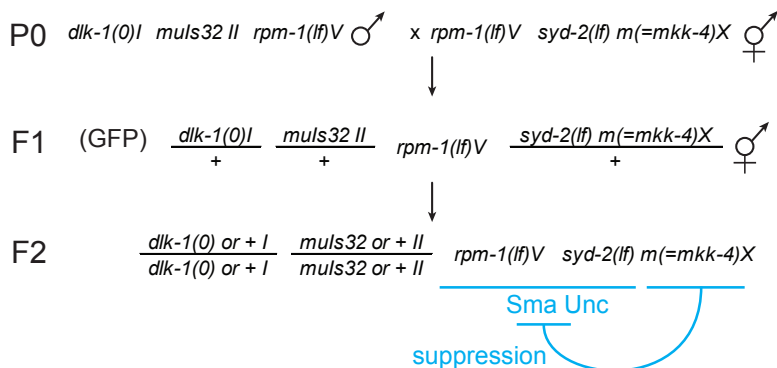
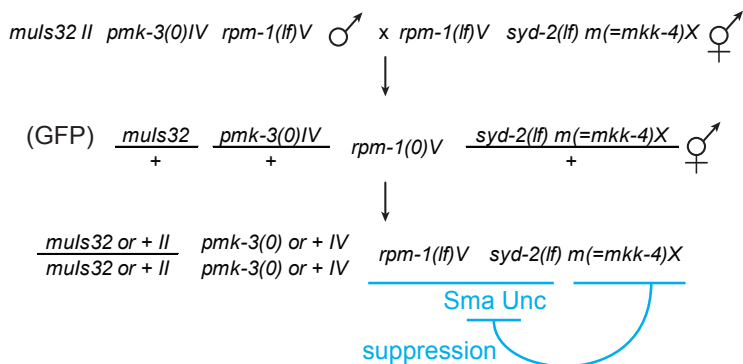
A**B****C****D**

Figure S1 Complementation tests to *dlk-1* or *pmk-3*. Complementation tests were carried out to determine the identity of new suppressor mutations of *rpm-1* with respect to *dlk-1*, *pmk-3* and *mkk-4*. *rpm-1(ju44)*; *syd-2(ju37)*; suppressor mutant (shown as m) was crossed to *dlk-1(tm4024)*; *muls32*; *rpm-1(ju44)* (A and C) or *muls32*; *pmk-3(ju485)*; *rpm-1(ju44)* (B and D). *muls32*-positive F1s are singled and self-fertilized. We examined whether any small and uncoordinated (Sma Unc) worms were present among the F2 progenies. Presence of Sma Unc worms due to *rpm-1(lf)*; *syd-2(lf)* double-mutant background is an indication of complementation. *mkk-4* mutant appears to complement neither *dlk-1* nor *pmk-3* in this assay because it is tightly linked to *syd-2* (Figure 2C). (A) Complementation test with *dlk-1(0)* when a mutant is *dlk-1(lf)*. They do not complement each other. (B) Complementation test with *dlk-1(0)* when a mutant is *pmk-3(lf)*. They complement each other. (C and D) Complementation tests with *dlk-1(0)* and *pmk-3(0)* when a mutant is *mkk-4(lf)* in (C) and (D), respectively. Neither *dlk-1* nor *pmk-3* appears to complement *mkk-4*.