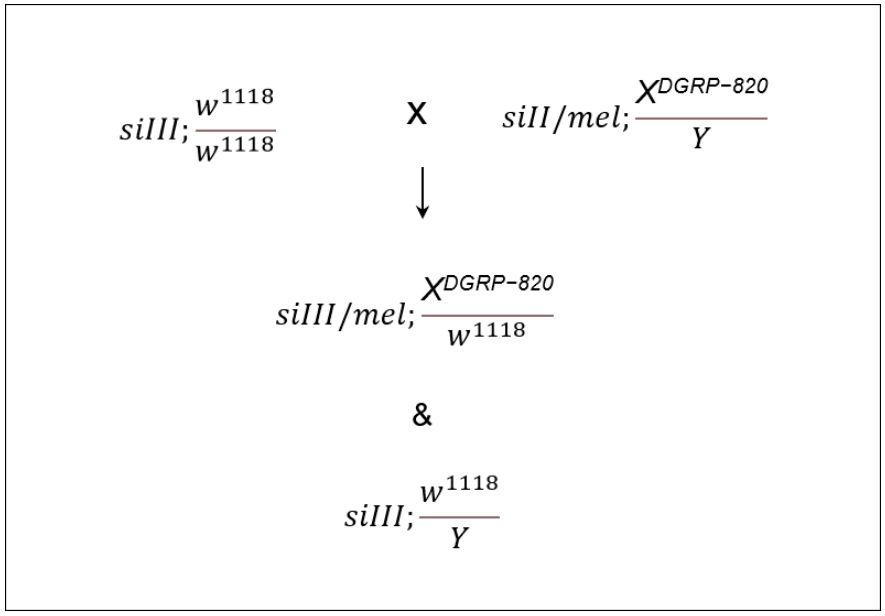


Figure S6: Cross performed to test whether males, putatively heteroplasmic (*mel* and *siII*), with $X^{DGRP\text{-}820}$ chromosome could transmit both their mitotypes to the next generation. Only the *mel* mitotype was transmitted from father, and exclusively to the progeny who also inherited the $X^{DGRP\text{-}820}$. The same cross was repeated with *siI*/*mel*; $X^{DGRP\text{-}820}/Y$ giving the same results (not shown).