

Dingjue Ji (dj333)

cn: cinnabar, eye color. bw: brown, eye color.
cn bw: white, eye color sp: specks, axils of wings

P ♀♀ cn bw sp / Cy0.513 X cn bw (EMS treated) ♂♂
(red eyes, speck, fertile) (white eyes, mutagenized)

18° C cn bw^{sp} / cn bw⁺ out!
red, speck we don't need it!

F₁ ♀♀ cn bw⁺ / Cy0.513 X F₅(2)D / Cy0.513 ♂♂
(red eye, mutated, fertile) (red eye)

18° (Cy0 / Cy0 lethal, out!)

F₂ we care about mutations for female cases?

♀♀ + ♂♂ cn bw⁺ / Cy0.513
(red eye, fertile for ♀♀)

Cn bw⁺ / F₅(2)D
(red eye, sterile for ♀♀)

F₅(2)D / Cy0.513
(red eye, sterile for ♀♀)

↓ inter se

F₃

Cn bw⁺

F₅(2)D

Cy0.513

Cn bw⁺ Cn bw⁺ /

F₅(2)D /

Cy0.513 /

(29%, out!)

Cn bw⁺

Cn w⁺

Cn bw⁺

♂

(white eye,
need to be tested)

(red eye,
sterile)

(red eye,
fertile)

Cy0.513

Cn bw⁺ /

F₅(2)D /

Cy0.513 /

Cy 0.513.	Cy 0.513	Cy 0.513
(Red eye, fertile)	(Red eye, sterile)	(lethal)
(29%, out!)	(29%, out!)	out!

If $Cnbw^* / Cnbw^*$ is fertile, the progeny is supposed to be observed.