Copy of a printed diagram referenced as "Behaviour of a diploid heterozygous for the regulator and for both structural genes"

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## **Publication/Creation**

October 1962

## **Persistent URL**

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100 0+ stat. palactos SG<sup>+</sup> SG2 RG<sup>+</sup> The mutations di oustitutive allele is Fg. 6 represen R utarts. One mation 'maps  $\sim$ to synthesize B. RG O+ SG<sub>1</sub> SG<sub>2</sub><sup>+</sup> RG O SG<sup>†</sup> SG2 (F) [R] -R RG 0+ SG1 SG Ep. 6. Genetic me which affect spe b. Behaviour of a diploid heterozygous for the regulator and for both structural genes. (A) The mutated regulator gene (RG-) produces an inactive repressor while the normal matheida. regulator gene (RG<sup>+</sup>) produces normal repressor which blocks transcription in both CURCHINE. operators. No enzyme is synthesized. (B) In presence of inducer, transcription in both  $SG_1^+$  on one chromosome produces  $E_1$ , and  $SG_2^+$  on the other chromosome produces  $E_2$ . mother elargement o statuta pr Distant the The state rundred mutations which affect the

sence or absence of inducer, is schematize