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

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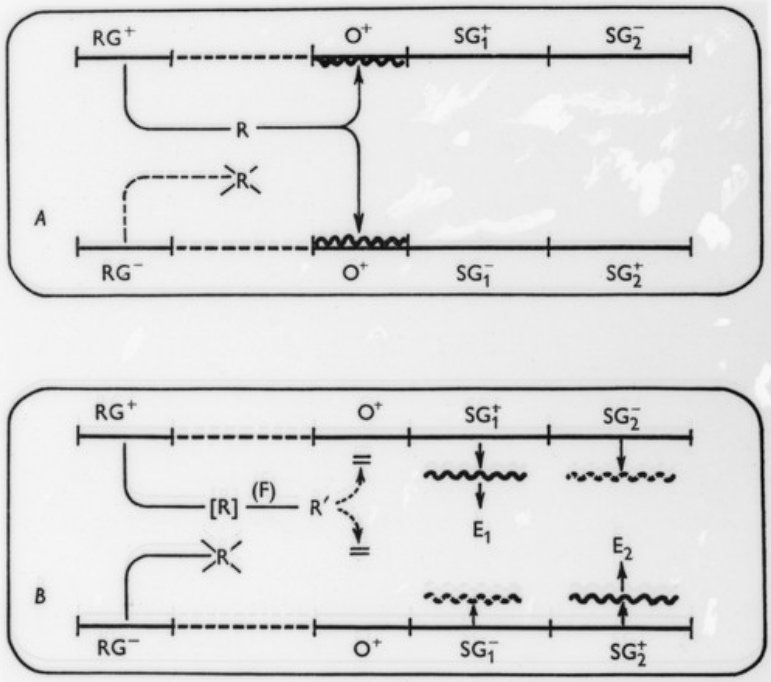


5. Behaviour of a diploid heterozygous for the regulator and for both structural genes. (*A*) The mutated regulator gene ($RG^-$) produces an inactive repressor while the normal regulator gene ($RG^+$) produces normal repressor which blocks transcription in both operators. No enzyme is synthesized. (*B*) In presence of inducer, transcription is allowed. $SG_1^+$ on one chromosome produces $E_1$, and $SG_2^+$ on the other chromosome produces $E_2$. The diploid therefore behaves in every respect like a haploid wild-type.