

## **Copy of a printed diagram referenced as "Bacterial linkage group"**

### **Contributors**

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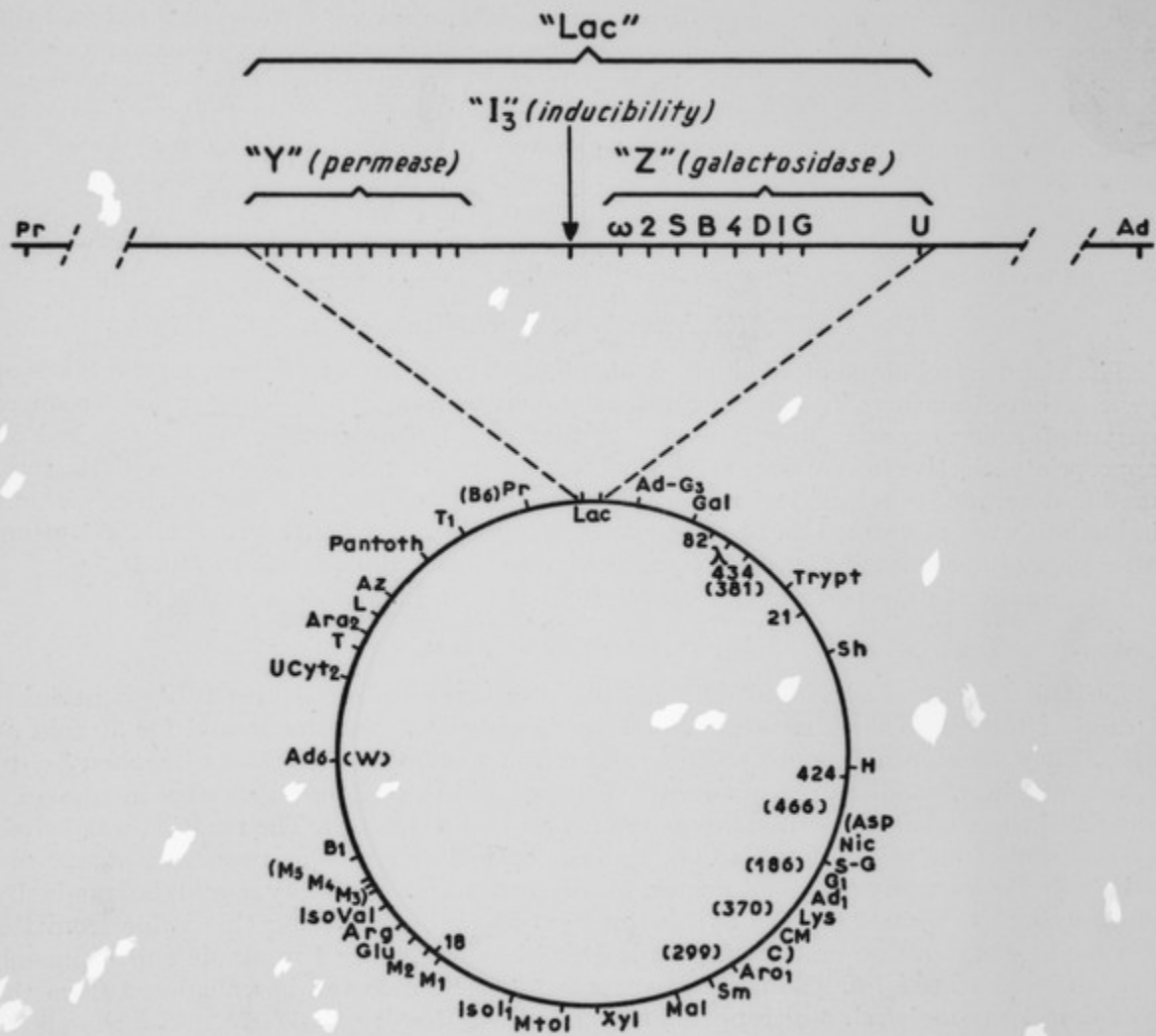
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Fine structure of the "Lac" segment.

The "Lac" segment is shown enlarged and positioned with respect to the rest of the *E. coli* K 12 linkage group for which the circular model (Jacob & Wollman, 1958) has been adopted.

roughly 1/100th of the frequency of recombination between *TL* and *Gal*. The frequency of recombination between individual *z* markers is about one order of magnitude lower.

(2) When  $y^+z^+$  recombinants are selected (by growth on lactose-agar) in crosses of the type:

$$y^{+i-}z^- \times y^{-i+}z^+$$

the  $i^+$  marker remains associated with  $z^+$  85 % of the time.

(3) The frequency of cotransduction of  $i$  with  $z$  (selecting for  $z^+$  alone) is very high (90 %) while the frequency for  $i$  and  $u$  is also high, although definitely lower.