BIO101 Genetic Variation April 26, 2021

Source: [KBhBIO101Meiosis]

## 1 | Genetic Variation

There are two main ways by which genetic variation is introduced to a cell cycle. Namely, **crossing over** and **independent assortment.** 

## 1.1 | Crossing over

=> The process by which genetic information between **homologous** (similar) chromasomes are exchanged. During [KBhBIO101Melosis]'s (critically, ONLY meiosis') metaphase 1, homologous chromasomes pair with each other and exchange like segments of their genetic material.

In this fashion,go