

$$\begin{aligned}
 i_0 &= d_0 \\
 i_1 &= d_1 \\
 i_2 &= d_2 \\
 i_j &= i * \omega_z \\
 1 - i_j &= (1 - i_j) + (1 - \omega_z) i_j \sum I_k l_k \\
 j &= \{1, 2\} \\
 \omega_z &= 1, \text{if synonymous indels; } 0 \text{ otherwise}
 \end{aligned}$$

