
 Derived deleterious variant
 Haplotype

Scenario 1:



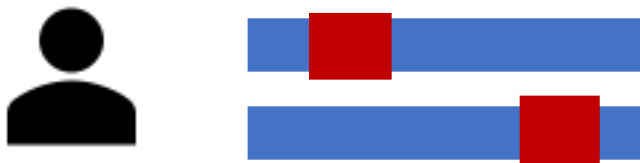
$$H_R^{(1)} = 0$$

Scenario 2:



$$H_R^{(1)} = 1$$

Scenario 3:



$$H_R^{(1)} = 1$$