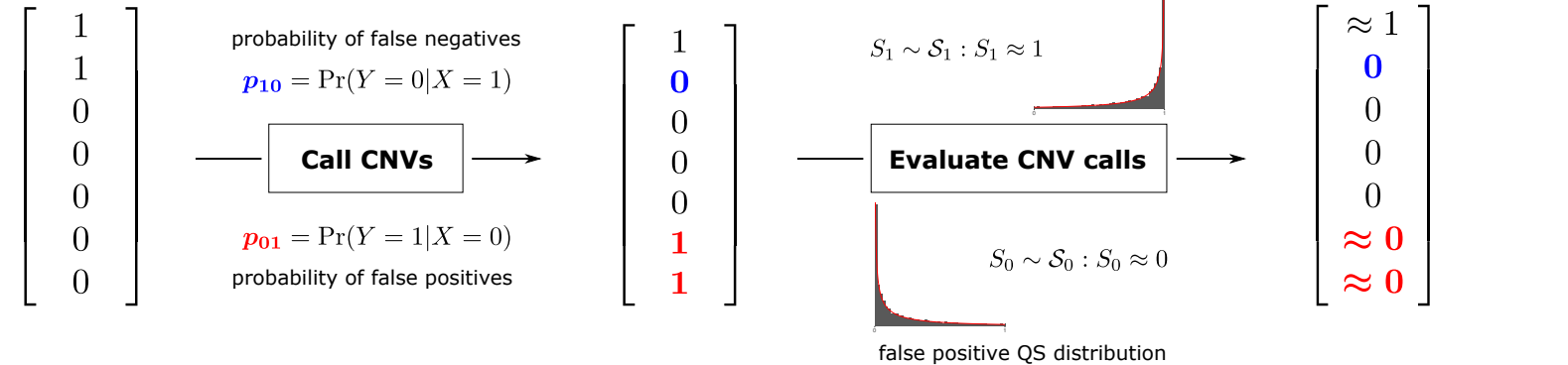


True CNV

PennCNV

CNV quality score (QS)



$$X \sim \mathcal{B}(1, p)$$

$$Y \sim \mathcal{B}(1, pp_{11} + (1 - p)p_{01})$$

$$Z = \begin{cases} S_1 \leftarrow \mathcal{S}_1, & pp_{11} \\ S_0 \leftarrow \mathcal{S}_0, & (1 - p)p_{01} \\ 0, & \text{otherwise} \end{cases}$$