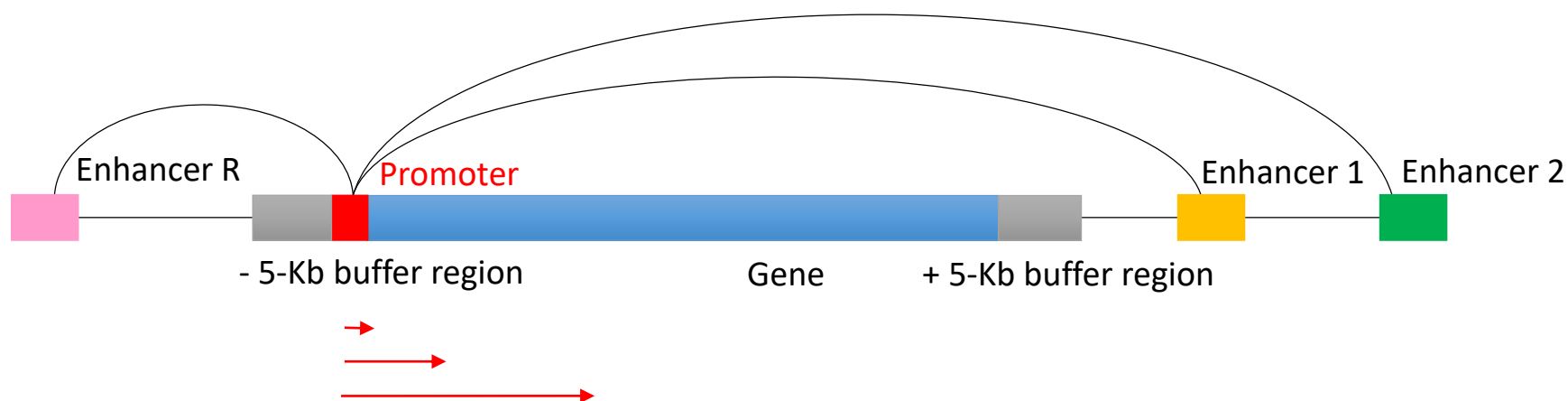


A GeneScan1D: Scan gene buffer regions using 1-Kb, 5-Kb and 10-Kb 1D windows



B GeneScan3D: Scan gene buffer regions, then generate 3D windows by incorporating promoter and R enhancers



C GeneScan3DKnock: Knockoff-enhanced gene-based test for causal gene discovery, prioritize potential causal genes

