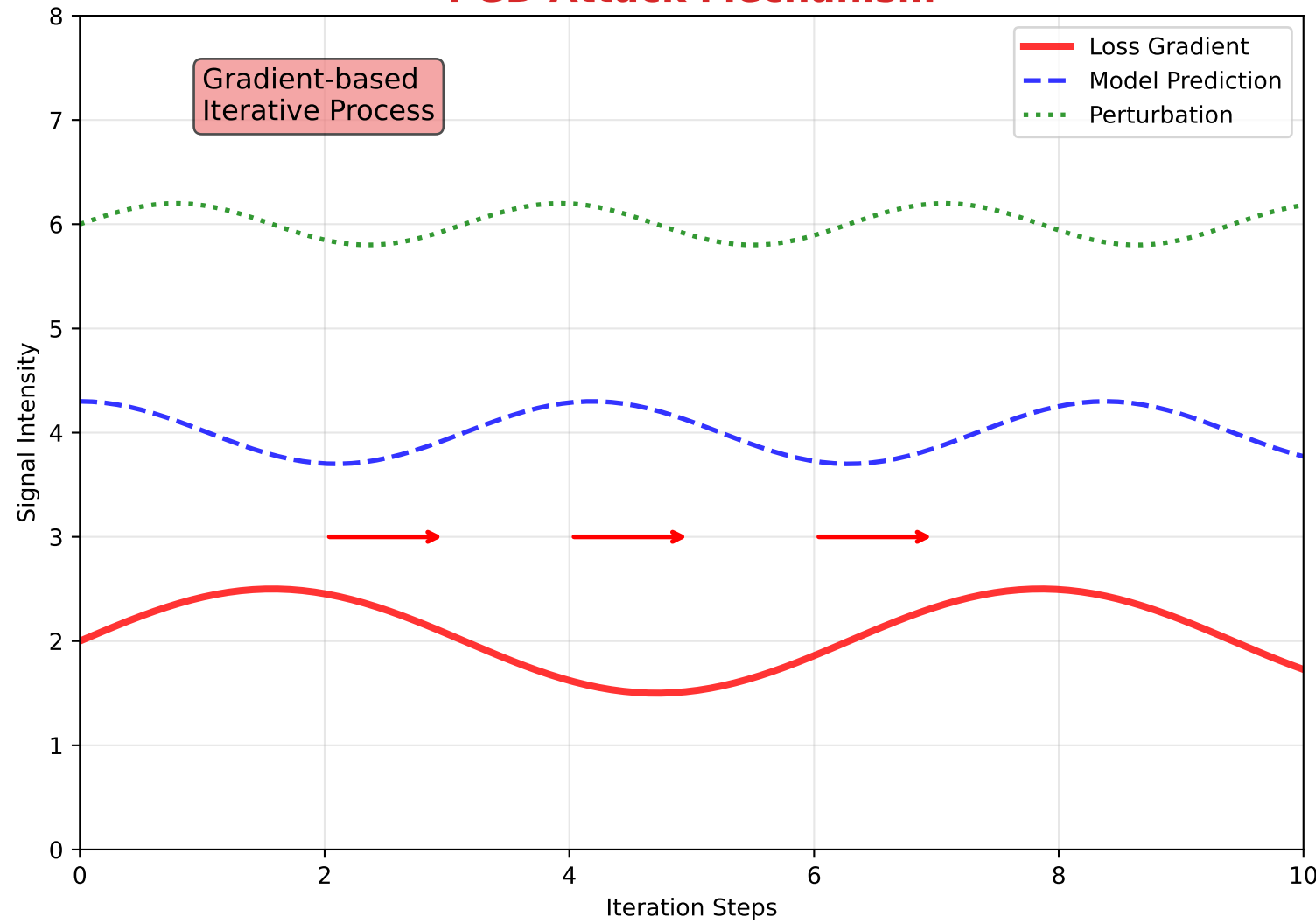
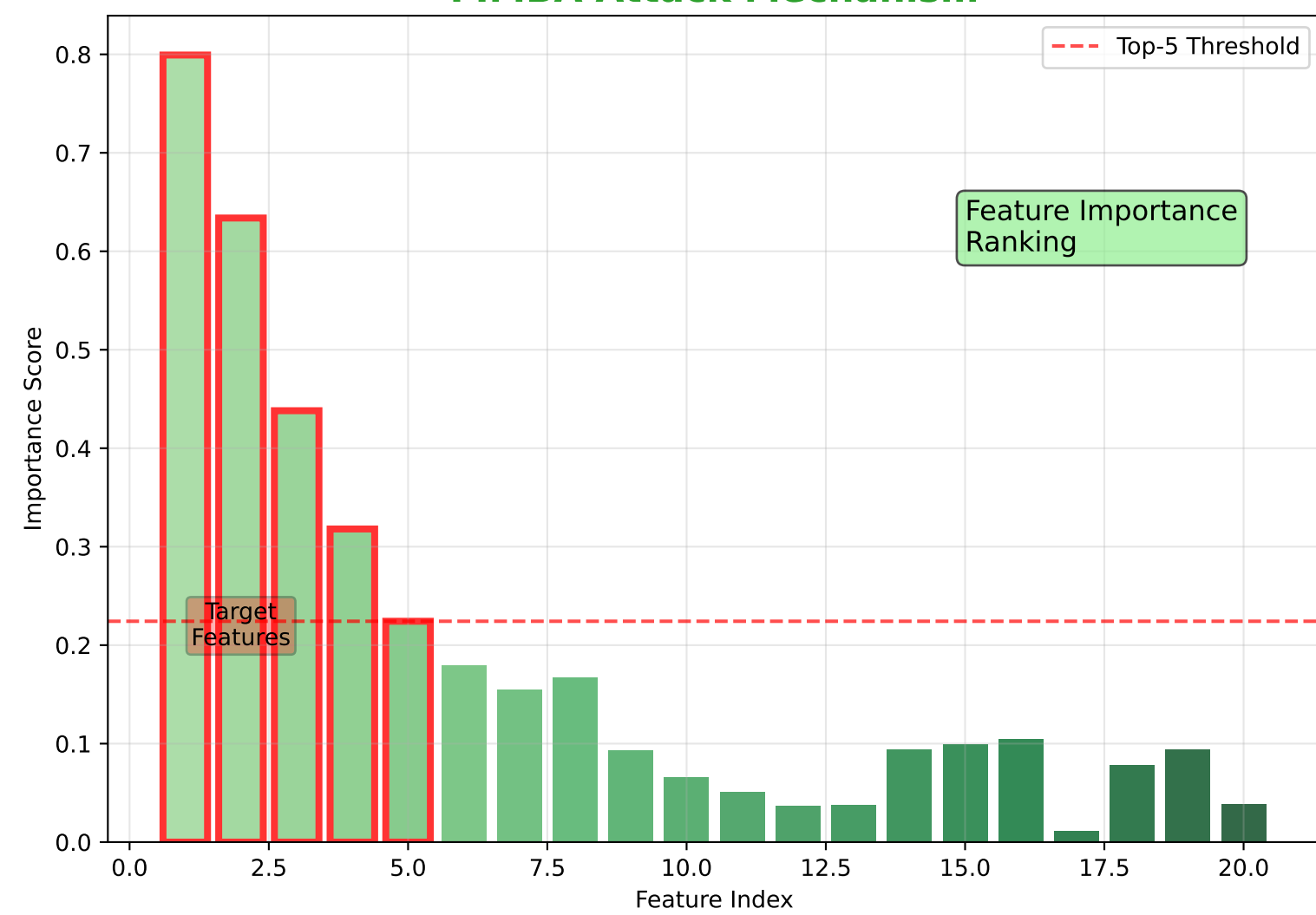


Adversarial Attack Mechanisms in Genomic Models

PGD Attack Mechanism



FIMBA Attack Mechanism



DNA Sequence Perturbation Example

Original: A T C G A T C G A T C G A T C G

Perturbed: A T C G A T C A A T C G A T C G

Mutation

Attack Effectiveness Comparison

