

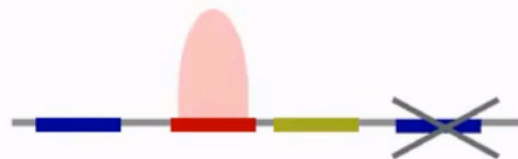
In-silico perturbation experiments to infer higher-order motif syntax & TF cooperativity

Use the BPnet binding model to test how motifs pairwise affect the binding of transcription factors in the *in silico*



1) On synthetic sequences

In silico biochemistry



2) By mutating motifs in genomic regions

In silico genetics