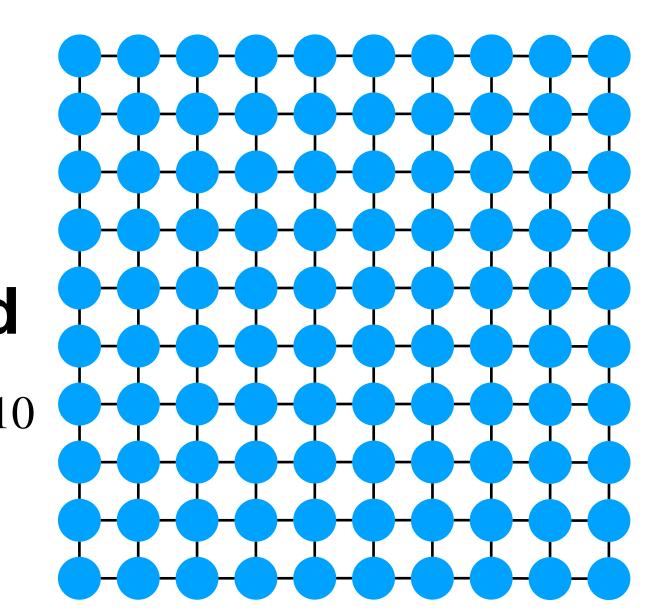
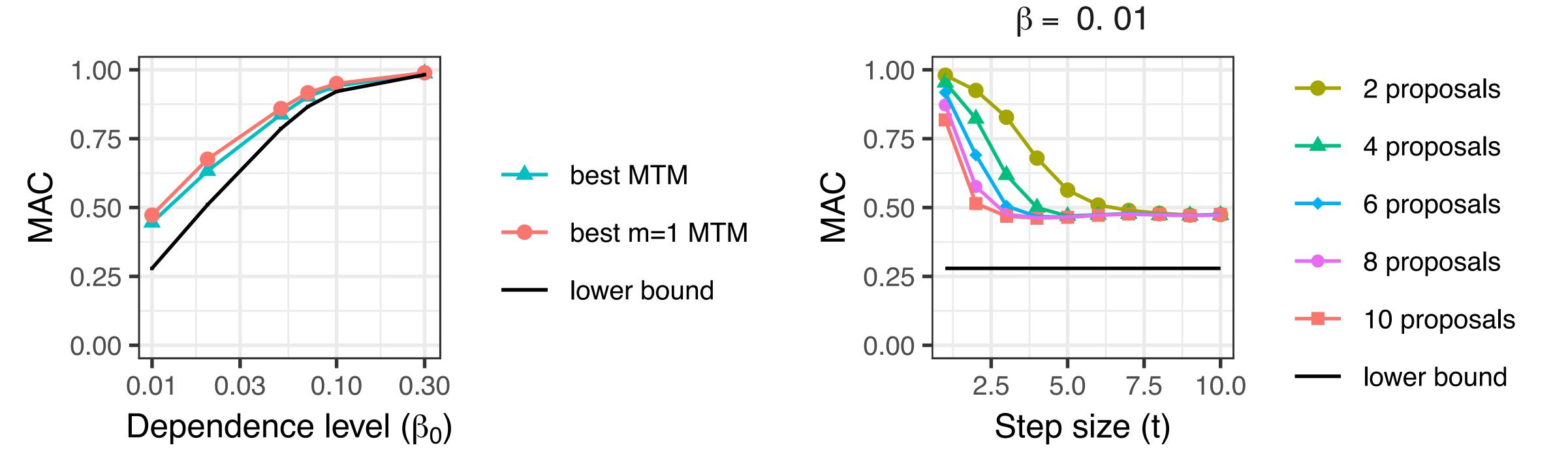
Simulation:

Gibbs measure on a grid

$$\mathbb{P}(X = x) = \frac{1}{Z(\beta_0)} \exp \left[-\beta_0 \sum_{\substack{s, t \in \mathcal{I} \\ \|s - t\|_1 = 1}} (x_s - x_t)^2 \right], \mathcal{I} \text{ is a } 10 \times 10 \text{ grid}$$

$$X \in \{1, 2, \dots, 20\}^{10 \times 10}$$





Simulation:

Potts model for protein contact prediction

