RNM-like variant with Gaussian noise

Empirical probability of not returning mode (y-axis)
Sampling rate (x-axis)

Legend:
— $\mathcal{M}$ satisfying $(0.25, \delta)$-DP
⋯ $\mathcal{M} \circ \mathcal{S}$ satisfying $(0.25, \delta)$-DP
— $\mathcal{M}$ satisfying $(0.5, \delta)$-DP
⋯ $\mathcal{M} \circ \mathcal{S}$ satisfying $(0.5, \delta)$-DP
— $\mathcal{M}$ satisfying $(1, \delta)$-DP
⋯ $\mathcal{M} \circ \mathcal{S}$ satisfying $(1, \delta)$-DP
— $\mathcal{M}$ satisfying $(2, \delta)$-DP
⋯ $\mathcal{M} \circ \mathcal{S}$ satisfying $(2, \delta)$-DP