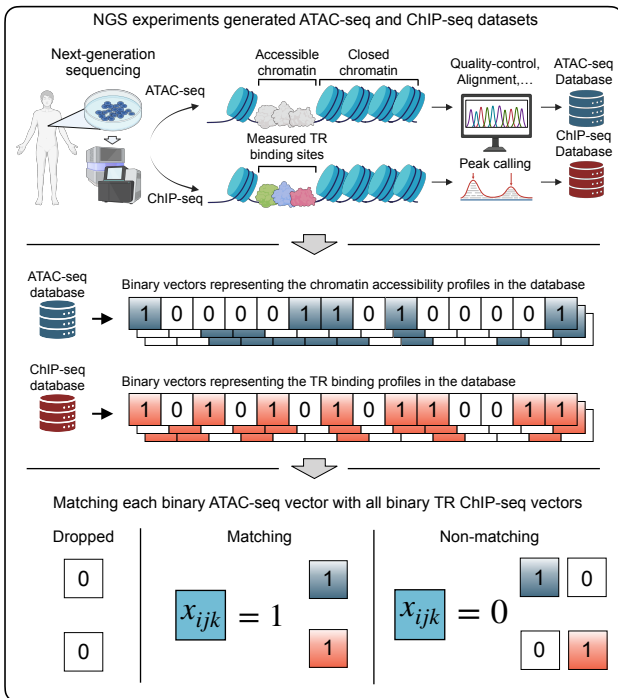
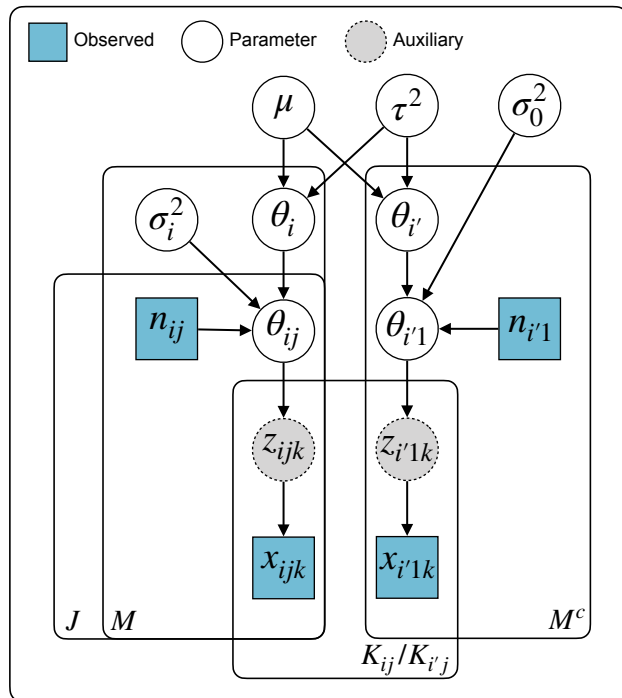


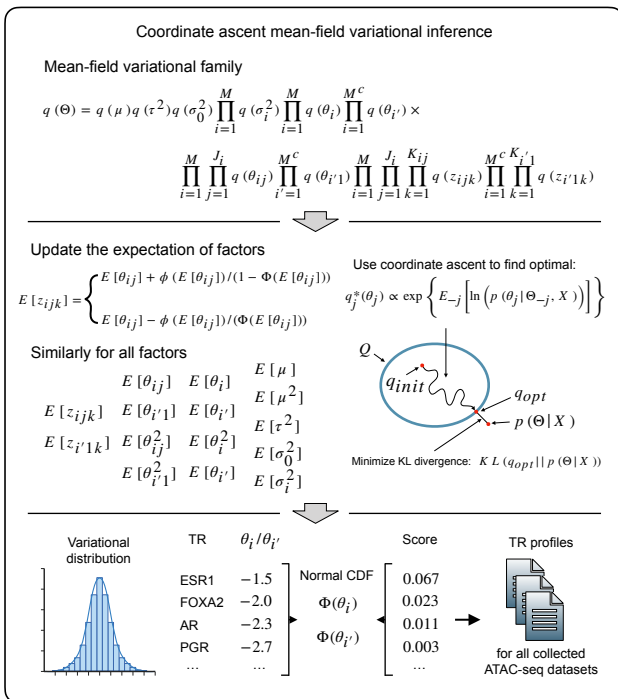
a Data preprocessing and region mapping



b vBIT hierarchical model



c Mean-field variational inference



d Integration results for vBIT online portal

