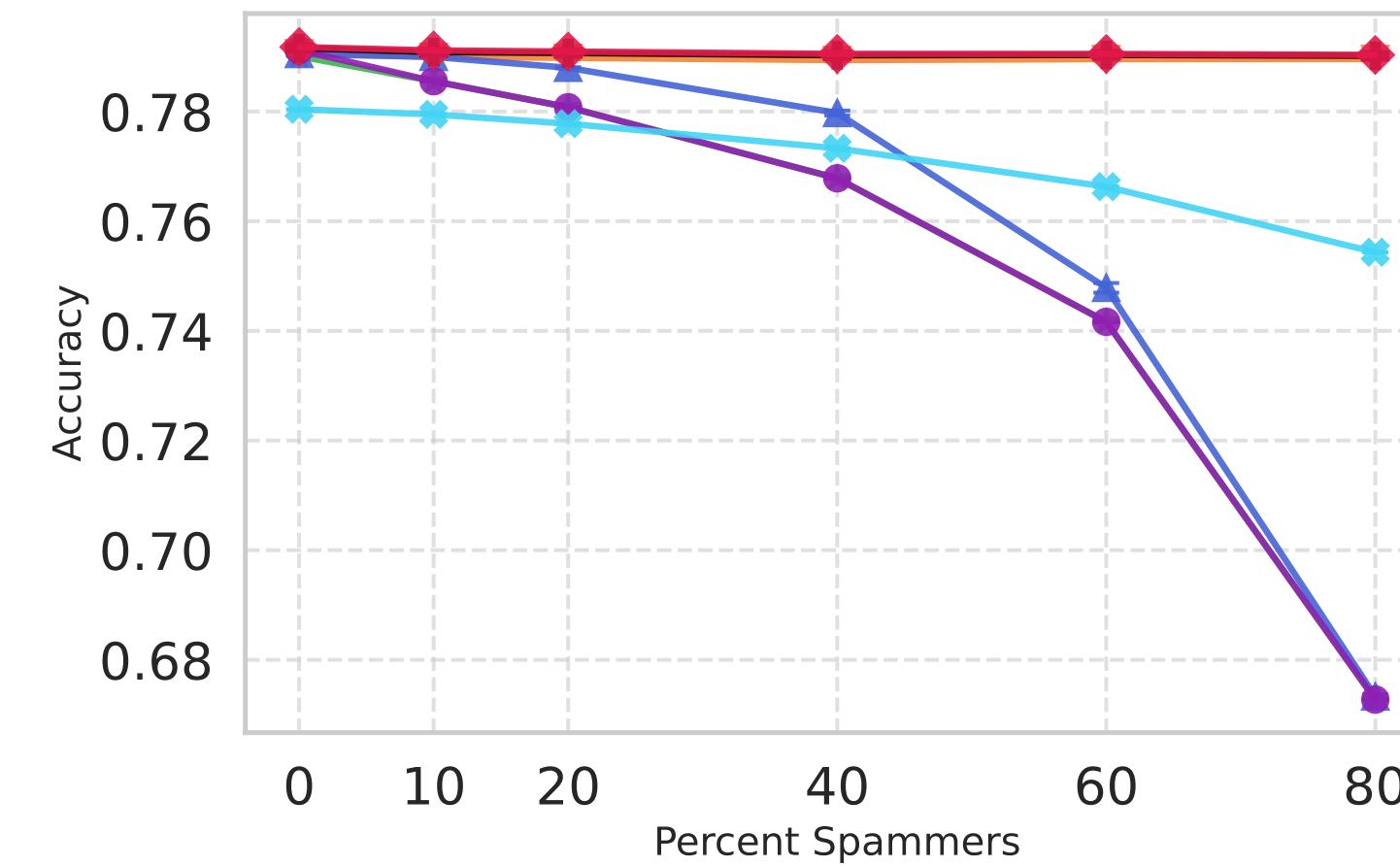
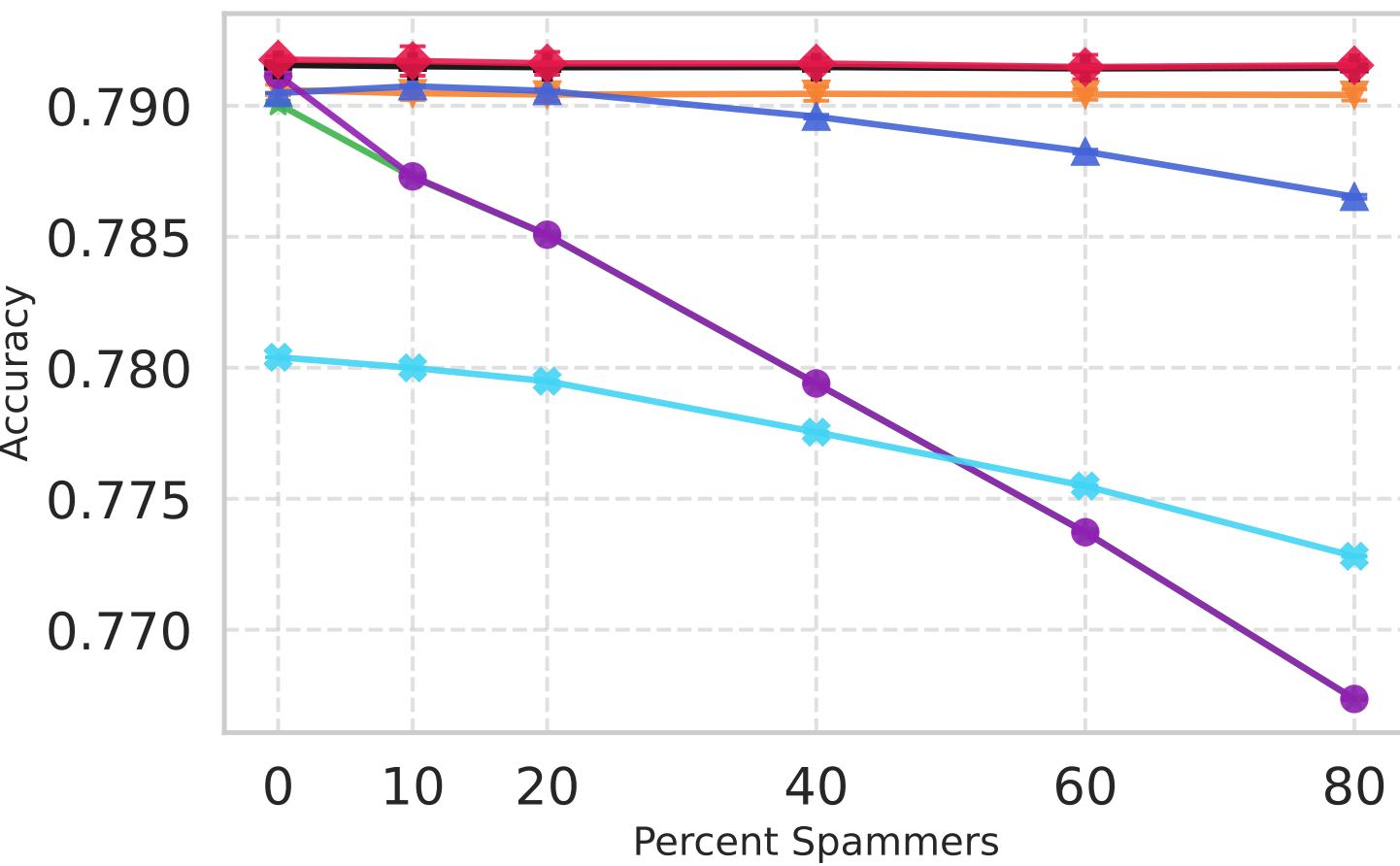
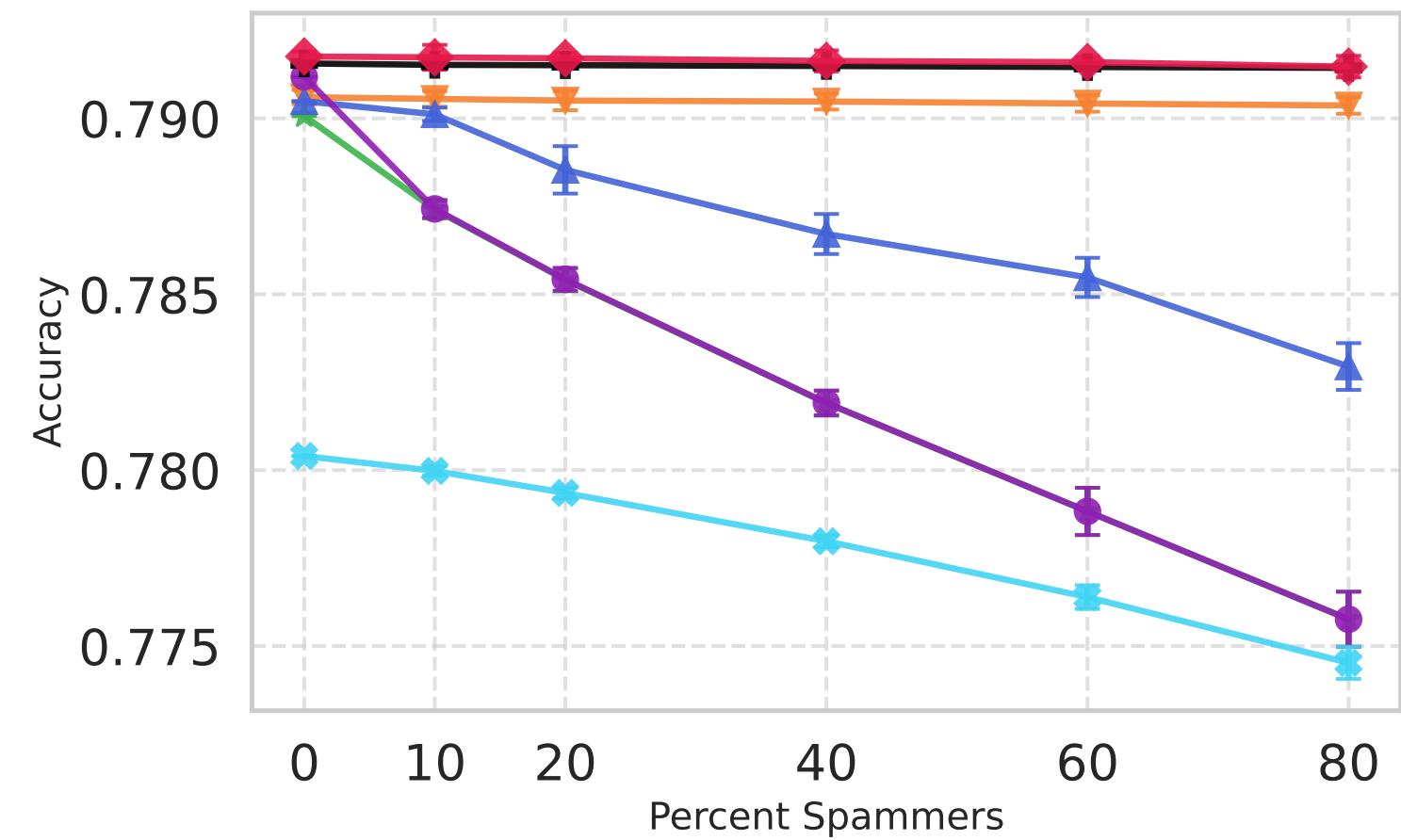
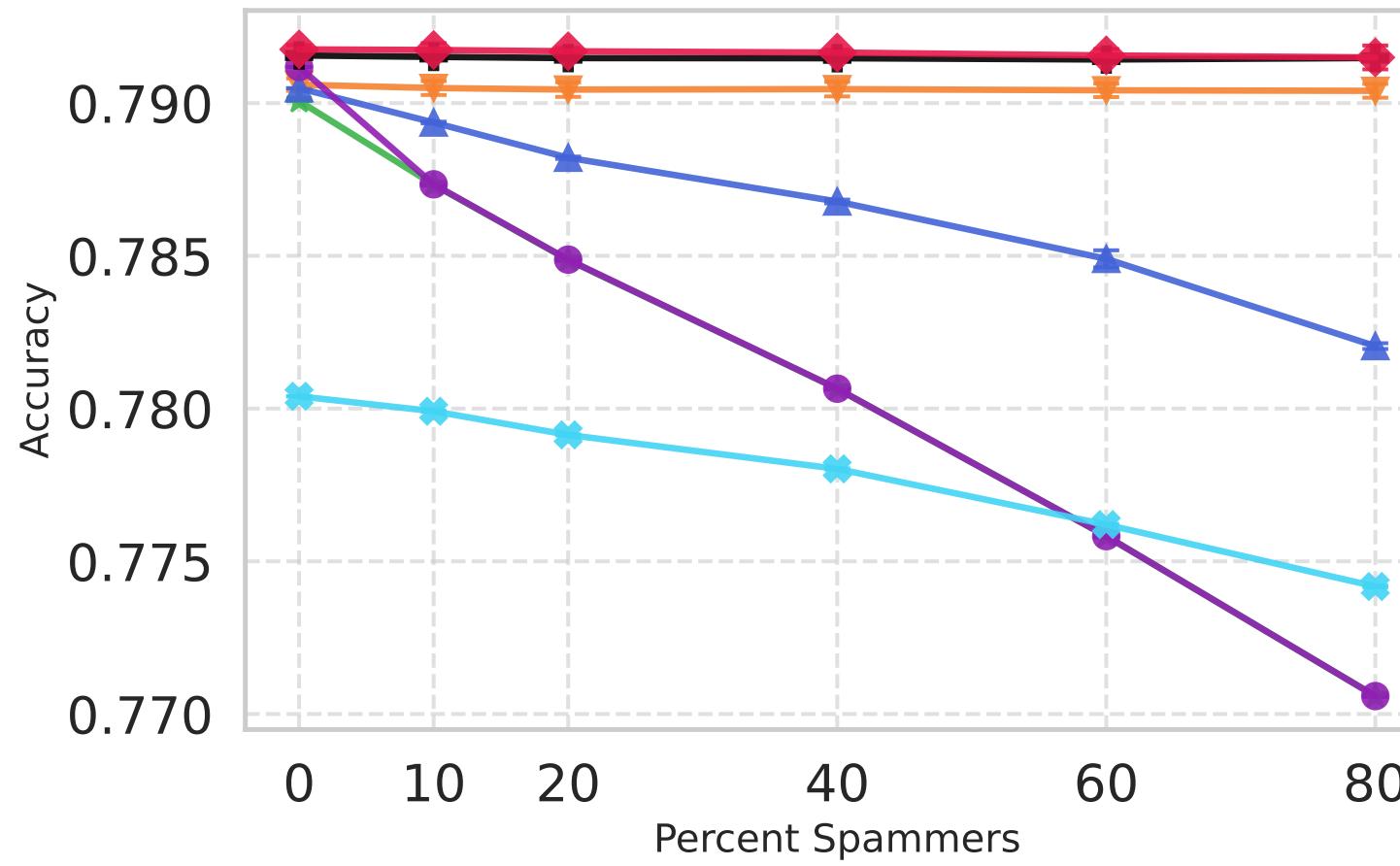
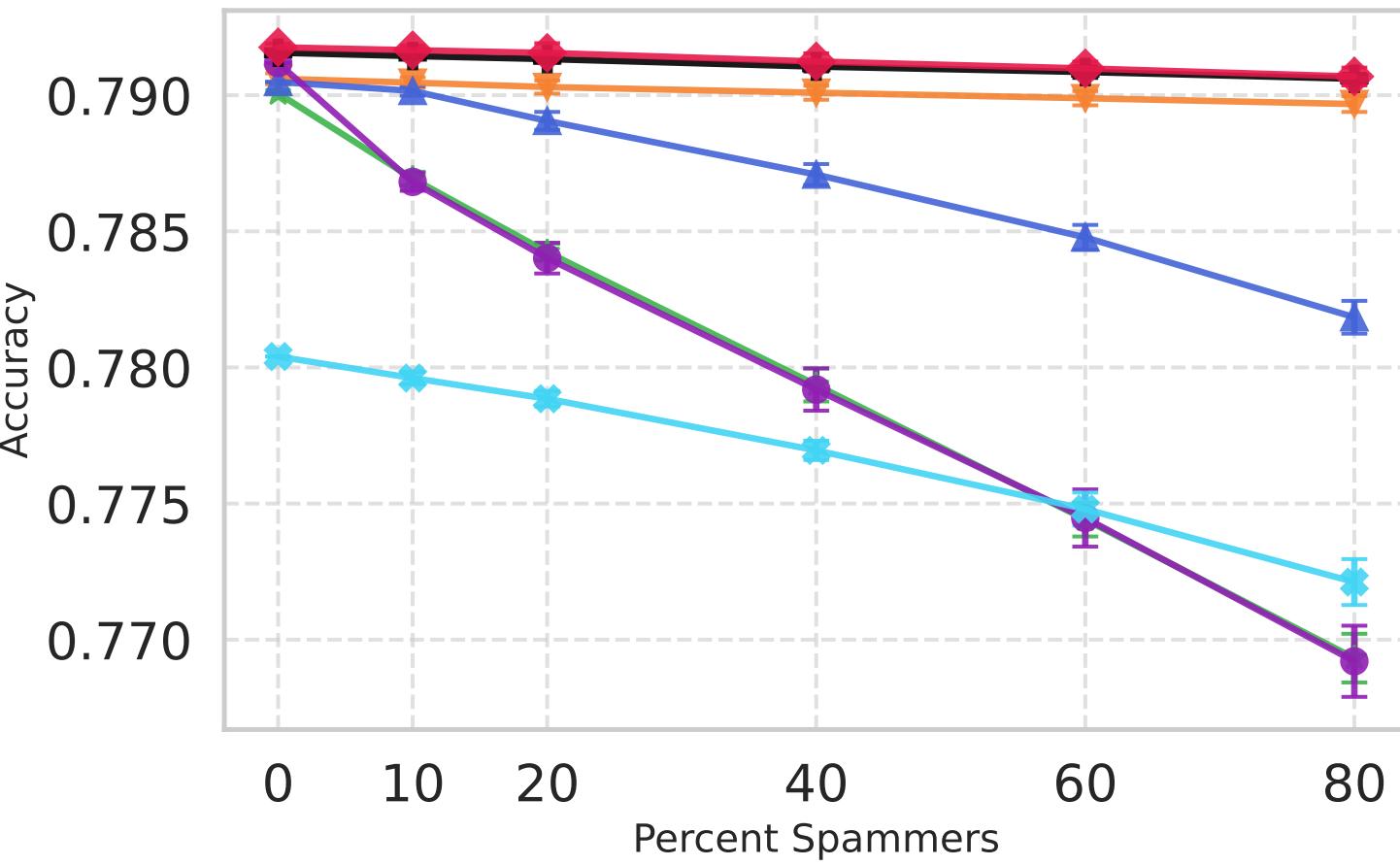


Adding anti-persons**Adding left-position biased spammers****Adding spammers answering randomly****Adding right-position biased spammers****Adding all four types of spammers uniformly**

Method

- CrowdBT
- BT
- FactorBT
- BARP
- RC
- GradEM (ours)
- PGEM (ours)