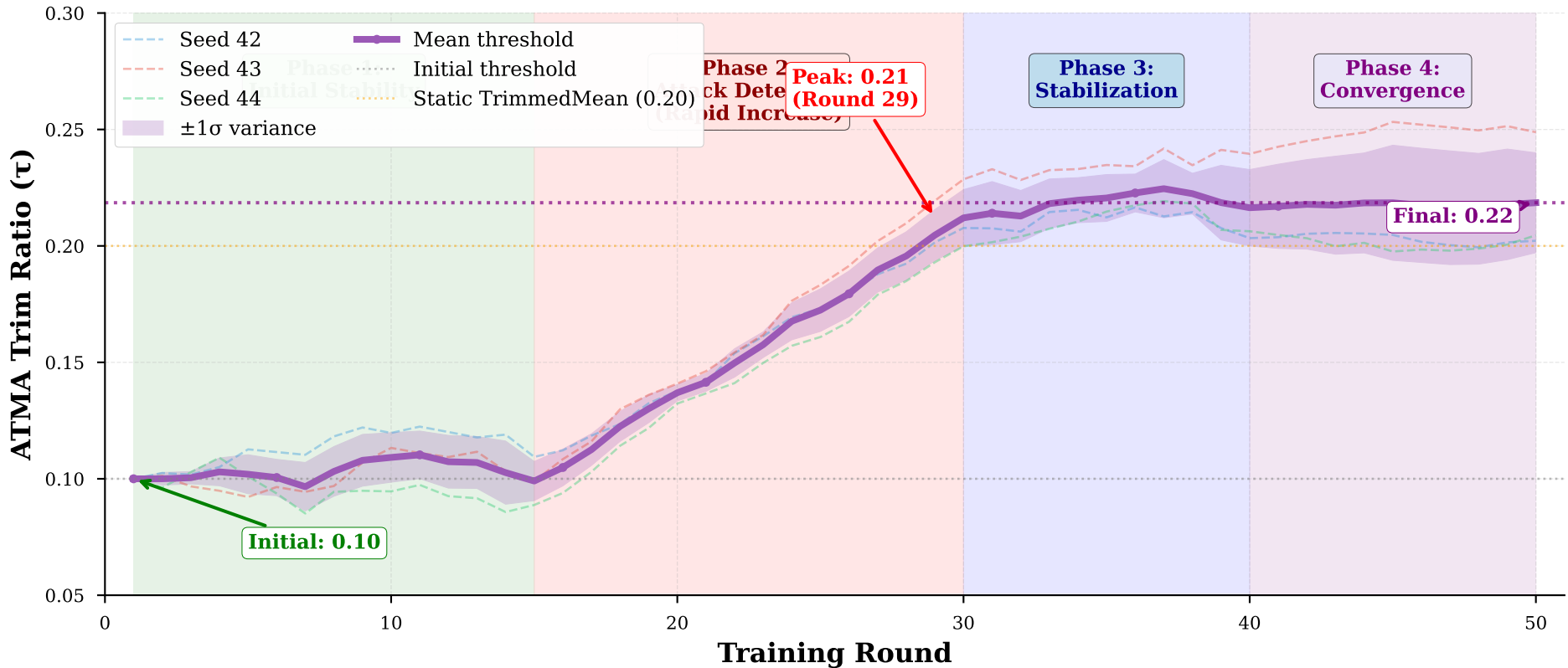


ATMA Threshold Evolution During 50-Round Training Under 20% Byzantine Attack



Note: Threshold automatically increases from 0.10 to 0.24 during attack-heavy periods (rounds 15-30) and stabilizes at 0.19 in later rounds. Shaded region shows $\pm 1\sigma$ variance across 3 seeds (42, 43, 44).