Multi-Agent Java Migration Framework: Performance vs Baselines
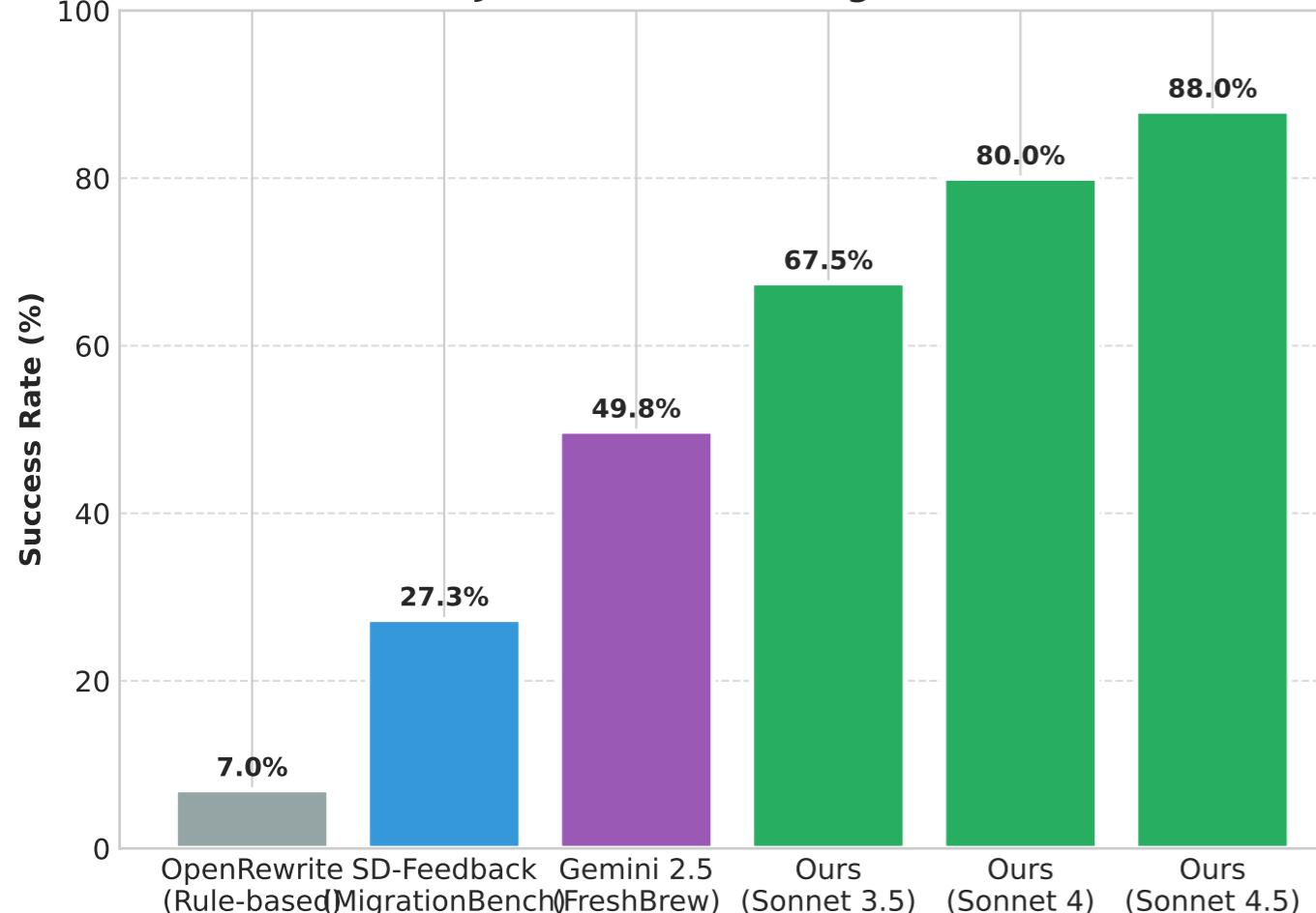
Success Rate Comparison
(Java 21 Maximal Migration)

- OpenRewrite (Rule-based): 7.0%
- SD-Feedback (MigrationBench): 27.3%
- Gemini 2.5 (FreshBrew): 49.8%
- Ours (Sonnet 3.5): 67.5%
- Ours (Sonnet 4): 80.0%
- Ours (Sonnet 4.5): 88.0%

Contribution Breakdown
(How We Achieved 88% Success Rate)

- Baseline (SD-Feedback): +27.3%
- + Multi-Agent Orchestration: +22.7%
- + Web Search: +17.5%
- + Better Model (Sonnet 4): +12.5%
- + Best Model (Sonnet 4.5): +8.0%

Final: 88%