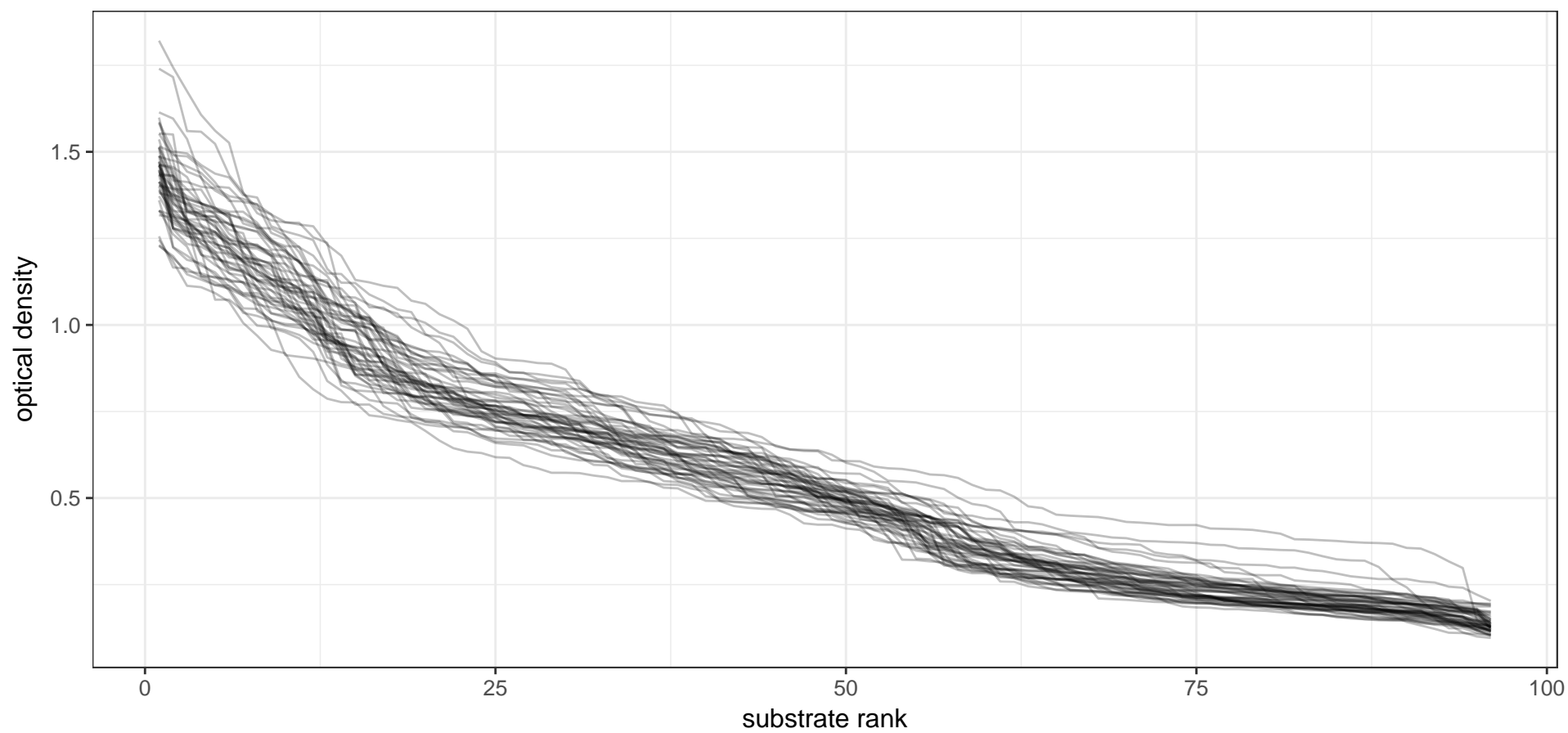Substrate rank across populations

Performance across substrates