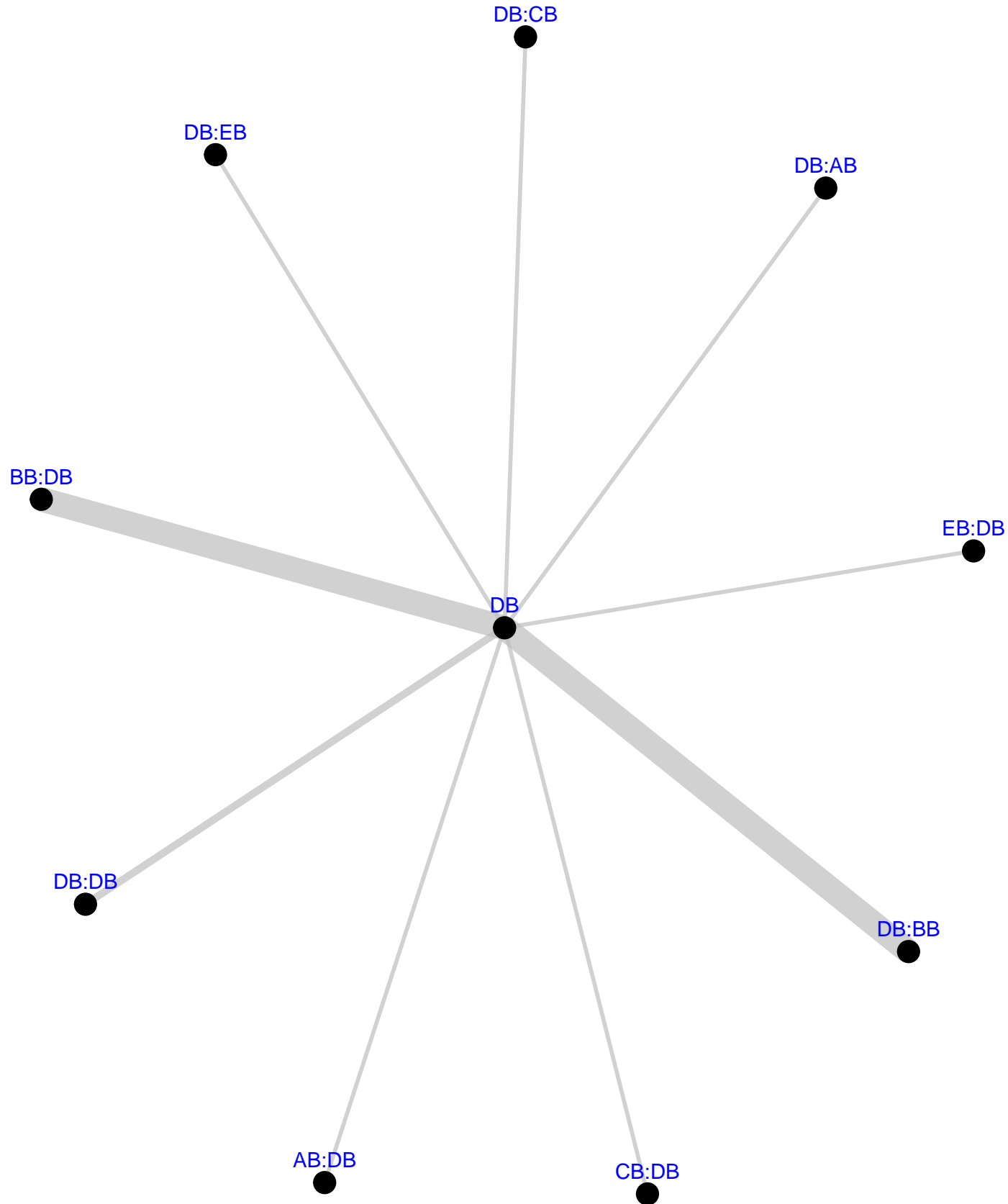Posterior mean rate of branching event with parent state DB

Posterior mean count of branching event with parent state DB