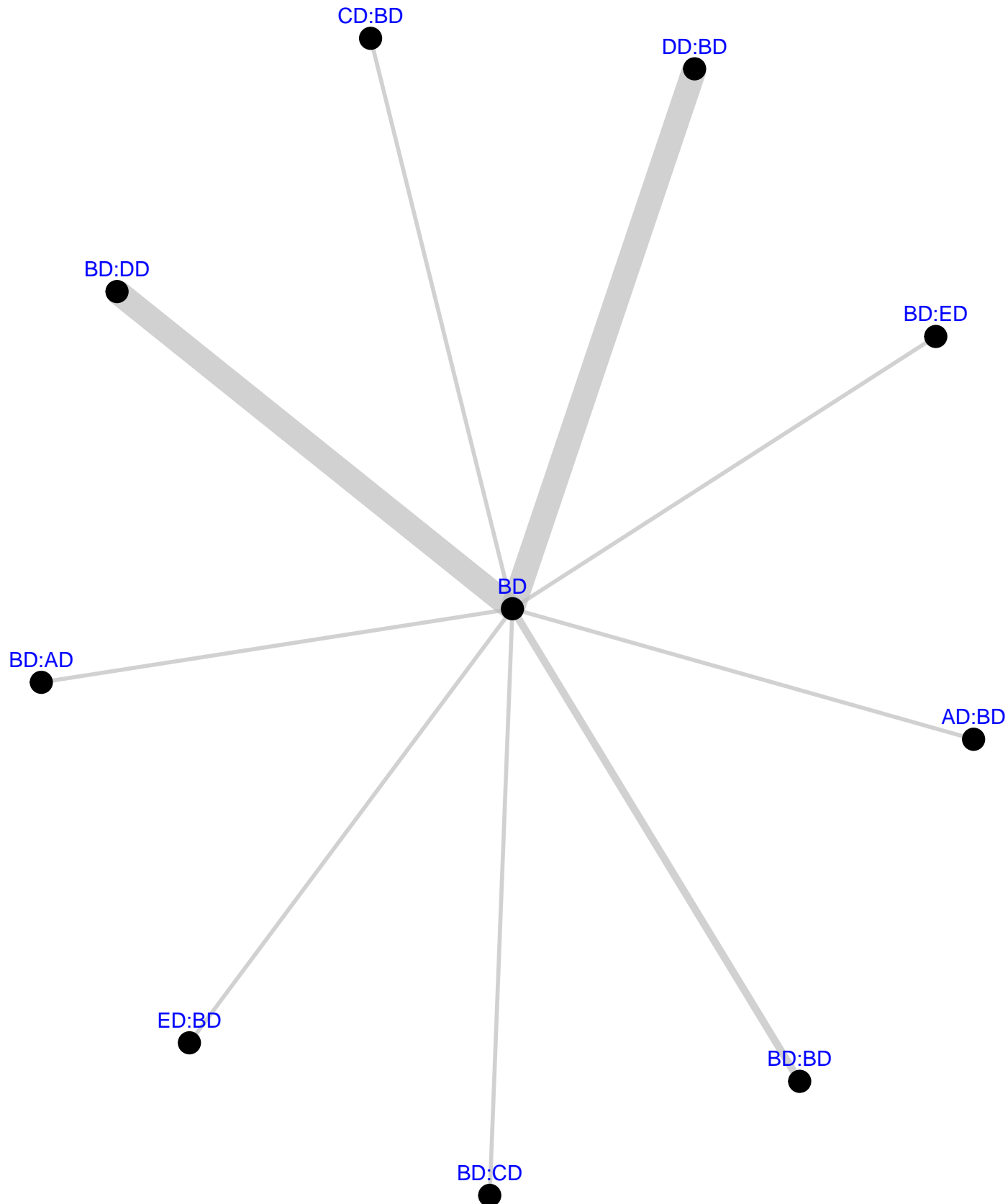Posterior mean rate of branching event with parent state BD

Posterior mean count of branching event with parent state BD