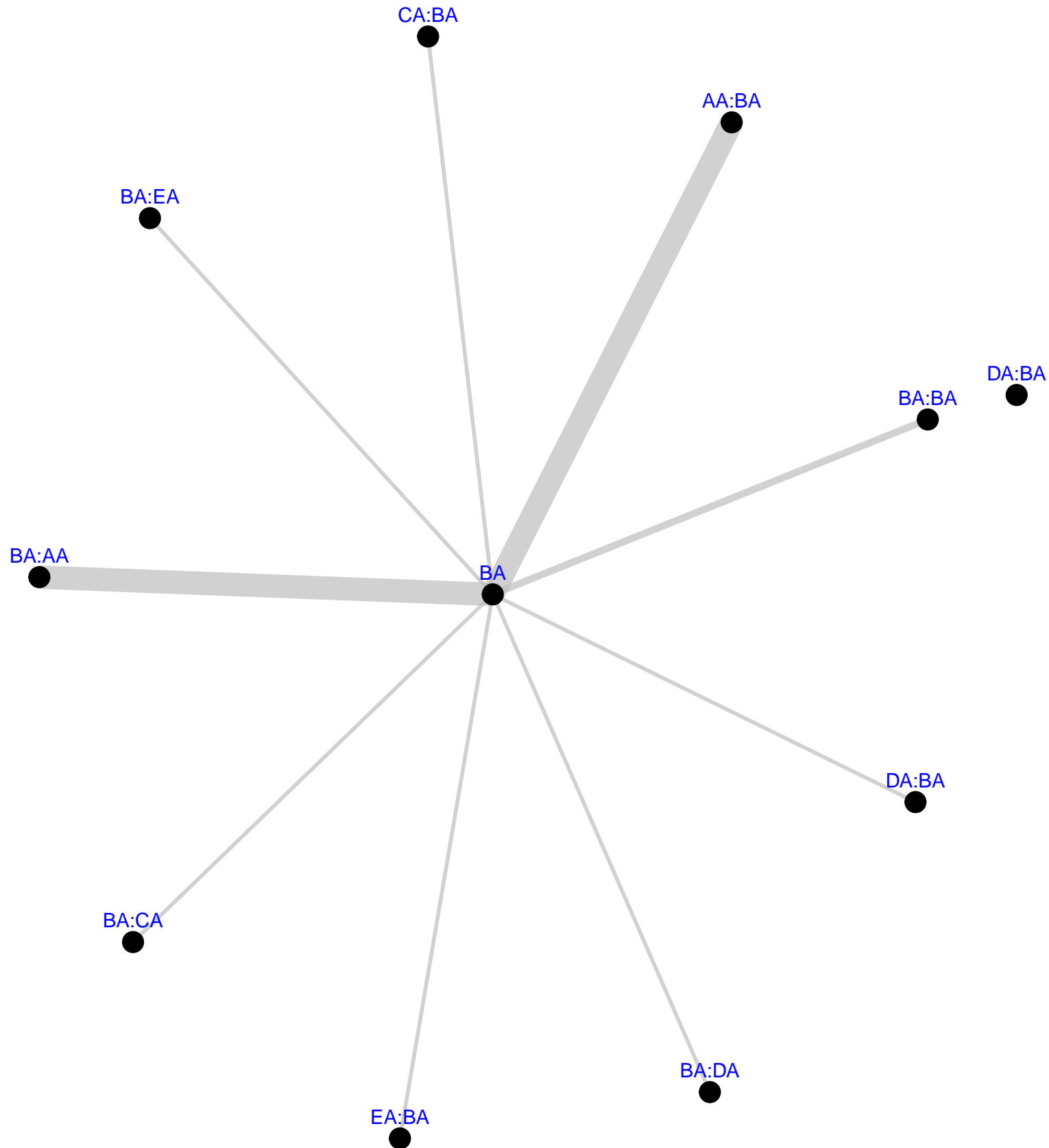Posterior mean rate of branching event with parent state BA

Posterior mean count of branching event with parent state BA