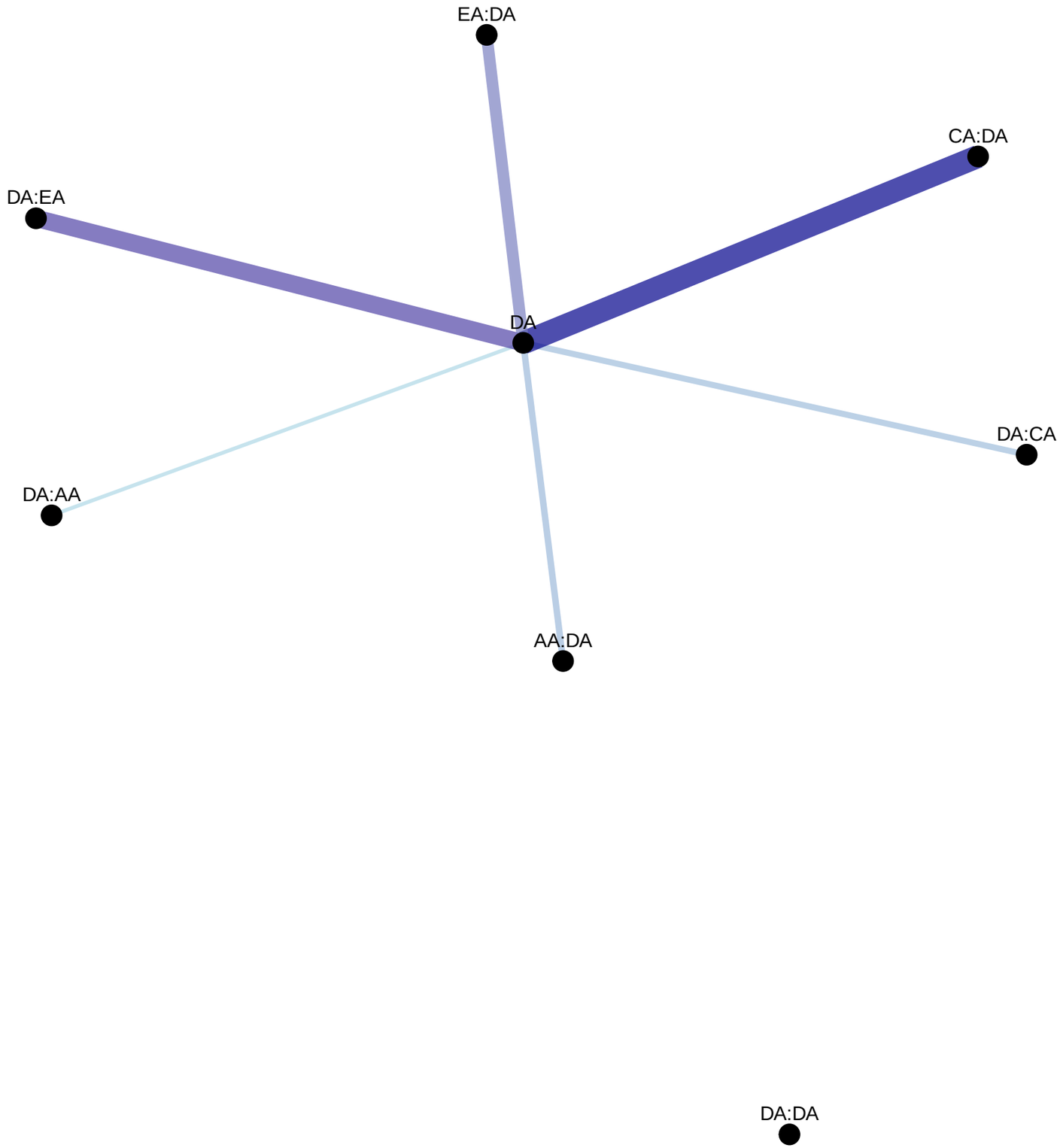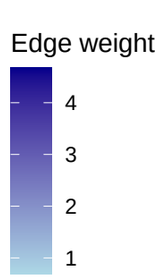Weight ratio of branching event
with parent state DA