Mutation ratios over all generations Intertwine two 0.40 Add vertex Delete vertex 0.35 Invert path vertices Insert inside vertex 0.30 Delete inside vertex Mutation ratio 0.25 Replace inside vertex Donate between routes 0.20 Trim one terminal cb Grow one terminal cb 0.15 0.10 0.05 0 10 20 30 40 50 60 70 80 Generations