[**FOR XIXI: Shall I include other analysis for selecting the model?**]
We also ran additional simulations to determine the optimal hyper paramter settings nad interation count. These simulations were conducted in a similar fashion. These preliminary experiments revealed that, a delete-rate of [**0.14**], an insert rate of [**0.21**] and a change rate of [**0.23**] are most beneficial. Also, we should run the evoltuionary algorithm around [**35**] iterations long. Otherwise the algorithm tends to get stuck in a local optimum.