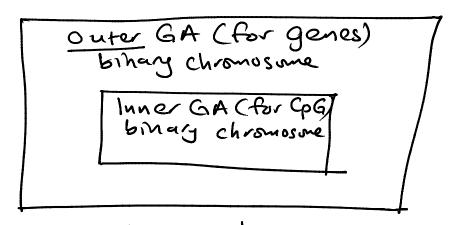
Q6 DNA methylation.

Step 0 Design of algorithm

"nested GA"



Step 1 Design of chromosome outer GA

Genes 1 0 1 0 0 --- 1 m= No.

Sp6/201011 1100---

associated CpG's with sub-chromosome

1: Gene active 2 outer GA Ø: Gene in-active S

1: CpG active 7 Inner GA Ø: CpG in-active

Step 2 Fitness function outer fitness & outer takes from inner GA Athess Inner NN to Predict output

1 data set malignant/
benign

Apply Cross validation LOO (Leave-one-out)

NOTE: should be explained (LOO)

NOTE 2: should show dataset
applied on subset chromogone
and subset Lataset

Step3 Design j Crossover Normal bit string crossover

Step 4: Mutation Normal Flip-bit mutation

Step 5 Replacement

Use ElHist strategy

NOTE should be explained.