The Data Description

lungcancerdata.name*.txt* is obtained at http://www.broadinstitute.org/  
cgi-bin/cancer/publications/view/87 ( Monti et al. in [37]). *AD.txt, SQ.txt, COID.txt* and *NL.txt* are the child data of lungcancerdata.name*.txt.*

The file lungcancerdata.name*.txt* is the data of lung cancer with 197 samples and 1000 genes.

The file *AD.txt* is the data of AD class with 139 samples and 1000 genes.

The file *SQ.txt* is the data of SQ class with 21 samples and 1000 genes.

The file *COID.txt* is the data of COID class with 20 samples and 1000 genes.

The file *NL.txt* is the data of NL class with 17 samples and 1000 genes.

The file *ADsimilarity.csv* is the measure matrix of AD class.

The file *SQsimilarity.csv* is the measure matrix of SQ class.

The file *COIDsimilarity.csv* is the measure matrix of COID class.

The file *NLsimilarity.csv* is the measure matrix of NL class.

The file new*y1.csv* is the the first new lable.

The file new*y2.csv* is the the second new lable.

The file new*y3.csv* is the the third new lable.

The file new*y4.csv* is the the forth new lable.

The file *lungcancerdata4x.csv* is the expanded data set with 197 samples and 4000 genes.

The file groupindex.csv is the position of groups which each gene belongs to.