Partitioned_MSA:
returns MSA for all

Calls on ro
  file from c
weight for
 connnecti
(Value for
    mat

Computed using So Cost fu

returns MSA for all
specific paths

oadnetwork
enet to get
each node
on (edge).
adjacency
trix)

Adjacency matrix:
converts network file
to node by node
matrix.

Layer Two

List created for all
nodes in network.
(Allows for easy
access)

Converted a csr sparse
matrix for computational
efficiency

Spectral Clustering

If('no clustering'): k=1

nction

If ('Spectral
Clustering'):

Partition Fucntion

Intertia: returns
weighting

Elbow Method:
returns number of
clusters

Spectral clusters
input based on
amount of k