Performance of ten indexes against dist0 perturbation Adjusted rand index Pearson correlation coefficient Precision of cluster 1 1.00 0.75 0.50 0.25 0.00 Precision of cluster 2 Precision of cluster 3 Precision of cluster 4 1.00 0.75 Index Adjusted rand index 0.50 Pearson correlation coefficient 0.25 Precision of cluster 1 Precision of cluster 2 Precision of cluster 3 Recall of cluster 1 Recall of cluster 2 Recall of cluster 3 1.00 Precision of cluster 4 Recall of cluster 1 0.75 Recall of cluster 2 0.50 Recall of cluster 3 Recall of cluster 4 0.25 0.00 1.0 1.0 0.3 3.0 10.0 0.3 3.0 10.0 Recall of cluster 4 1.00 -0.75 0.50 0.25

Beta

0.00

0.3

1.0

3.0

10.0