Supplementary Figure 1: The results of TPDS on 4 data-sets when SOM was used with hexagonal geometry. (a) Parkinson's data-set (b) protein expression data-set (c) SCADI data (d) single-cell expression.

Supplementary Table-1 : Parameters and time taken by TPDS for optimal solution for different data-sets

| Data-sets | SOM grid size | Lambda | SVD decomposition | Time taken |
|-----------|---------------|--------|-------------------|------------|
| Parkinson's | 2 X 2 | 1 | True | 5.6 second |
| Protein expression | 5 X 5 | 1 | True | 2.86 minutes |
| SCADI | 7 X 71 | 1 | FALSE | 1.26 second |
| Single-cell expression | 3 X 3 | 1 | True | 14 minutes |