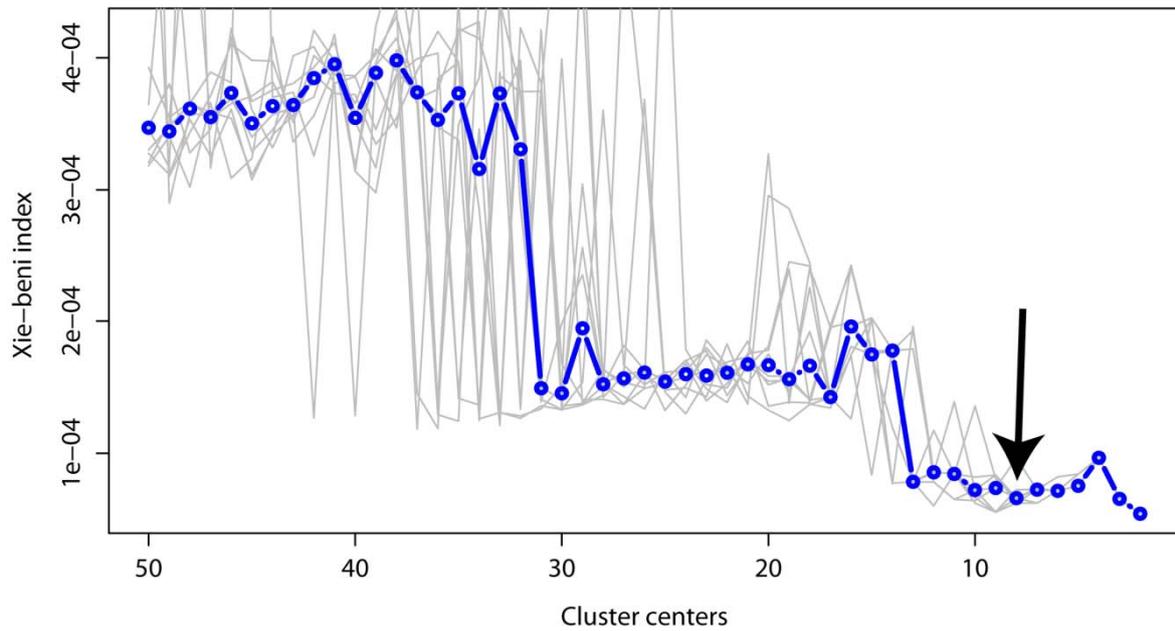**Supporting Figure S1.** Samples for the smoothing approach. Each plot shows the original expression profile (black) and the corresponding significance smoothed profile (red), where each non-significant expression change has been removed (p-value ≤ 0.001). For example, sample 4 showing a completely non-significant expression pattern (no differential expression) is removed from the datasets for further analyses.

Supporting Figure S2. Computed Xie-Beni indices for several cluster results. Each gray graph represents one "cluster-run" with the Xie-Beni indices (y-axis) for clusters with 50 to 2 initial centers (x-axis). The blue graph represents the median graph of the 10 "cluster-runs". The less the index, the best is the partitioning. Cluster sizes of 3 or 2 seem to result in lower indices, but led to an insufficient discrimination of the expression profiles. Therefore, a cluster size of eight has been chosen as best.