RUVseq Data: GSVA analysis on cell lines gene expression (RNAseq)

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Contents

Background

- The input for this set GSVA analysis is the RUVseq normalized counts from RNASeq data. A total of nine databases are used for the following GSVA analysis.
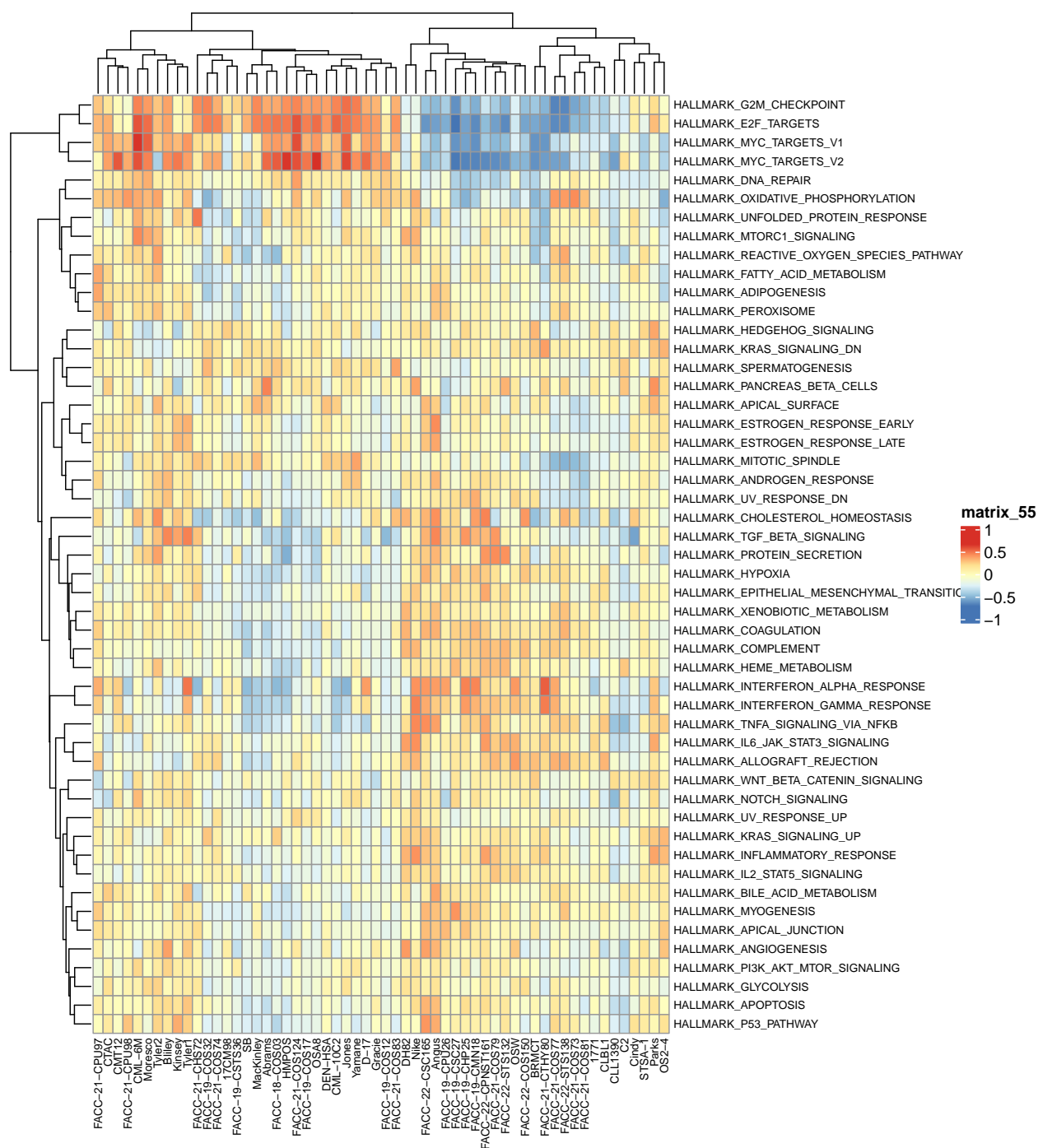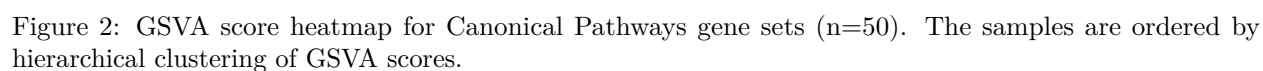
Input: RUVseq normalized counts

Hallmark gene sets

Figure 1: GSVA score heatmap for Hallmark gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts

Canonical Pathways

Figure 2: GSVA score heatmap for Canonical Pathways gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts

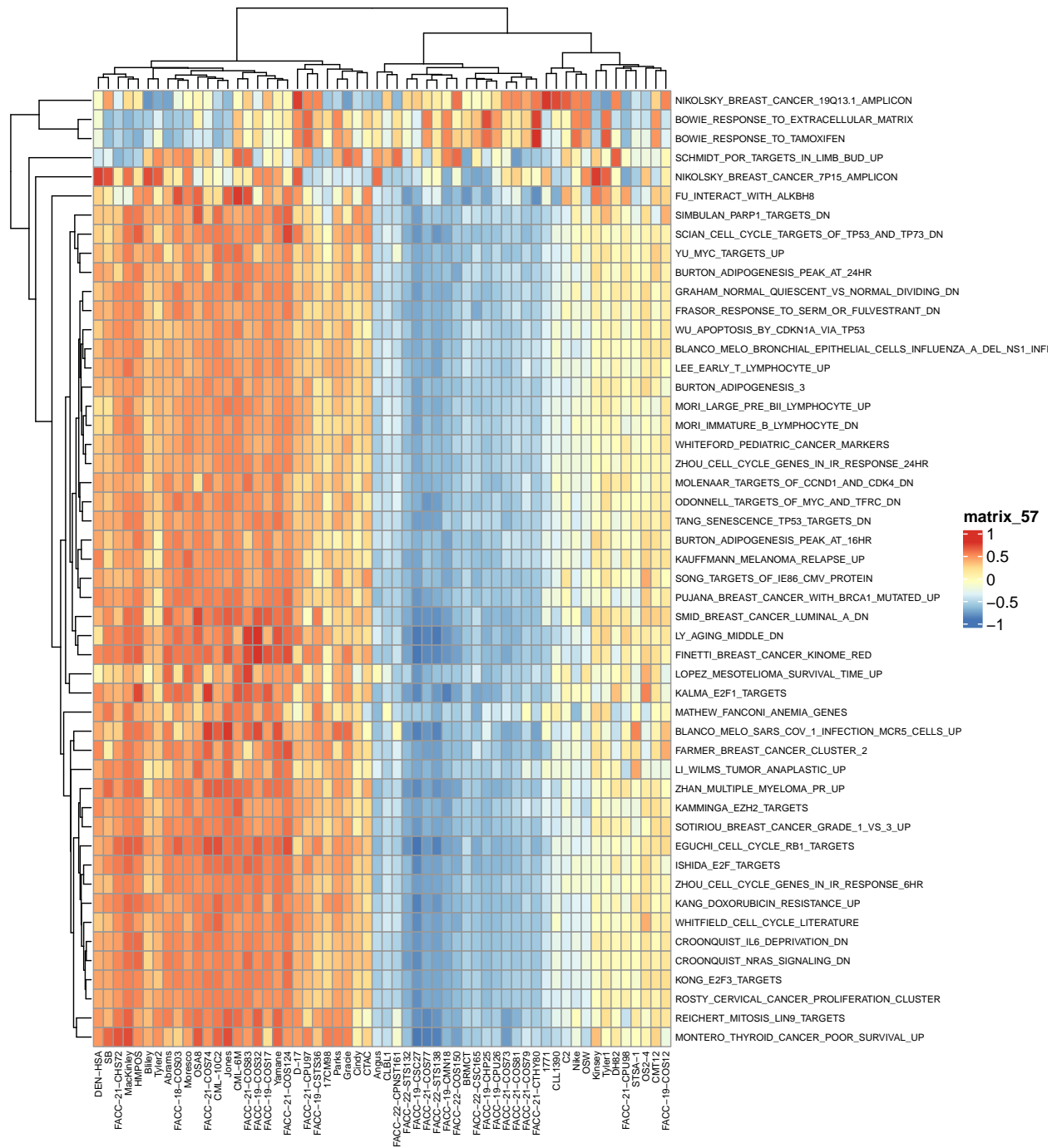## Chemical and Genetic Perturbations

Figure 3: GSVA score heatmap for Chemical and Genetic Perturbations gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts
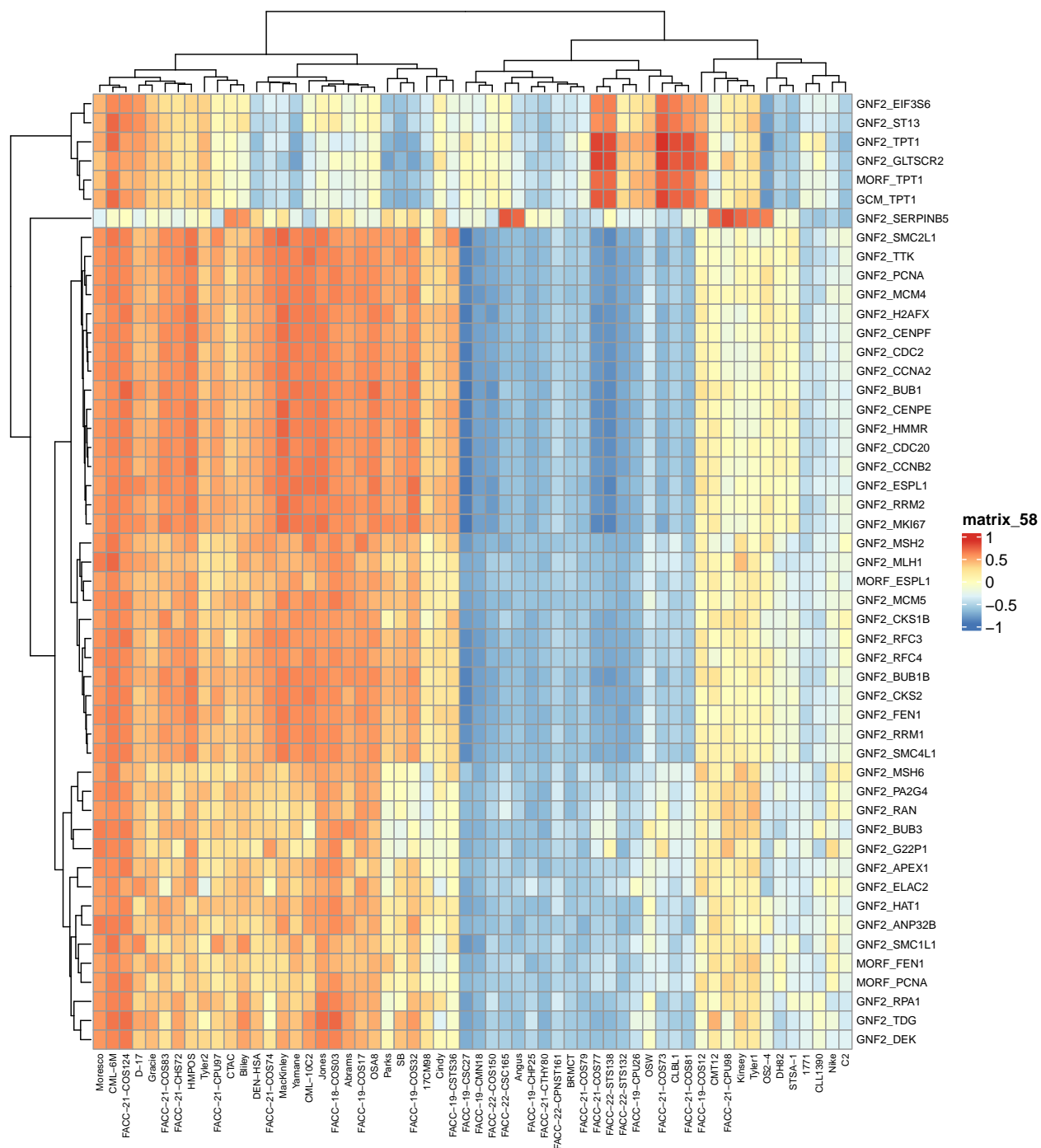
Cancer Gene Neighborhood gene sets

Figure 4: GSVA score heatmap for Cancer Gene Neighborhoods gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts
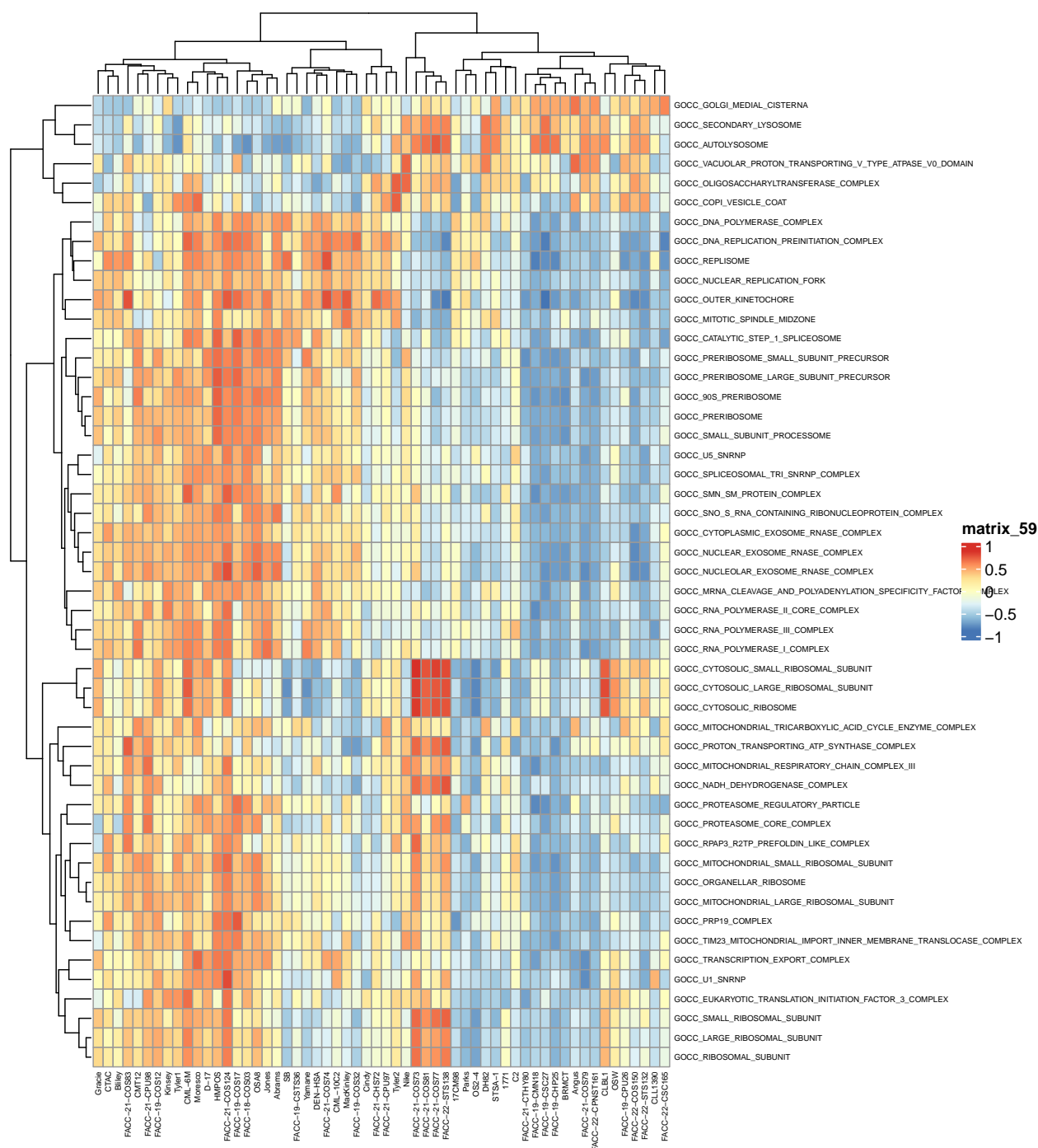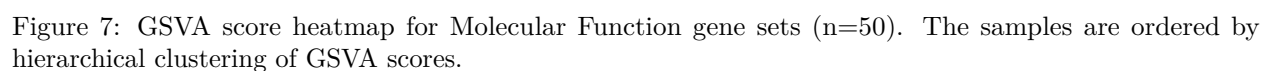
Biological Processes gene sets

Figure 5: GSVA score heatmap for Biological Processes gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts

Component Ontology gene sets

Figure 6: GSVA score heatmap for Component Ontology gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts

Molecular Function gene sets

Figure 7: GSVA score heatmap for Molecular Function gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts

Oncogenic Signature gene sets

Figure 8: GSVA score heatmap for Oncogenic Signature gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.

Input: RUVseq normalized counts
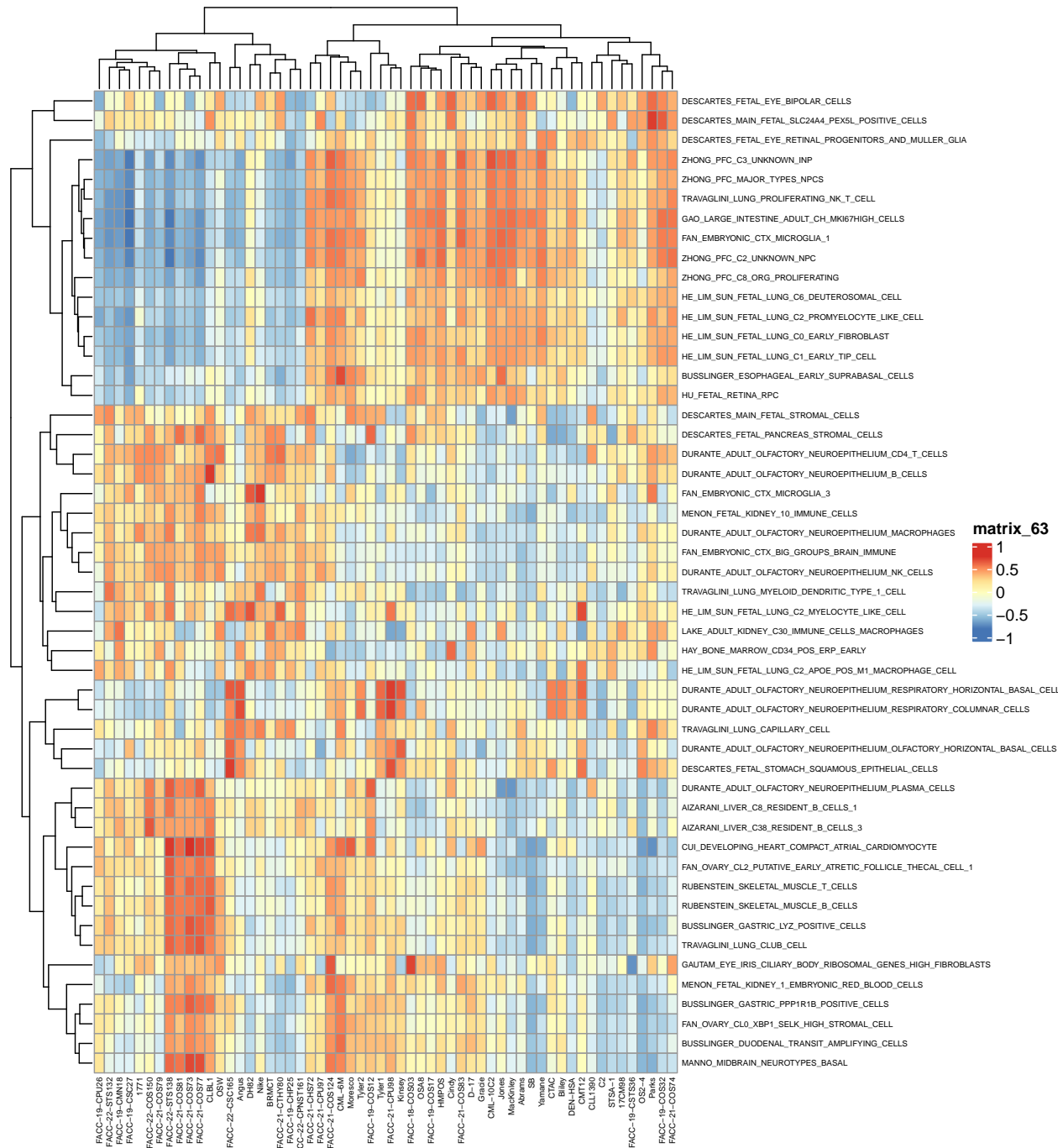
Cell Type Signature gene sets

Figure 9: GSVA score heatmap for Cell Type Signature gene sets (n=50). The samples are ordered by hierarchical clustering of GSVA scores.