PDF Output of CLIC (clustering by inferred co-expression)

Dataset:
  Num of genes in input gene set: 41
  Total number of genes: 16978

CLIC PDF output has three sections:

1) Overview of Co-Expression Modules (CEMs)

- Heatmap shows pairwise correlations between all genes in the input query gene set.

- Red lines shows the partition of input genes into CEMs, ordered by CEM strength.

- Each row shows one gene, and the brightness of squares indicates its correlations with other genes.

- Gene symbols are shown at left side and on the top of the heatmap.

2) Details of each CEM and its expansion CEM+

- Top panel shows the posterior selection probability (dataset weights) for top GEO series datasets.

- Bottom panel shows the CEM genes (blue rows) as well as expanded CEM+ genes (green rows).

- Each column is one GEO series dataset, sorted by their posterior probability of being selected.

- The brightness of squares indicates the gene's correlations with CEM genes in the corresponding dataset.

- CEM+ includes genes that co-express with CEM genes in high-weight datasets, measured by LLR score.

3) Details of each GEO series dataset and its expression profile:

- Top panel shows the detailed information (e.g. title, summary) for the GEO series dataset.

- Bottom panel shows the background distribution and the expression profile for CEM genes in this dataset.
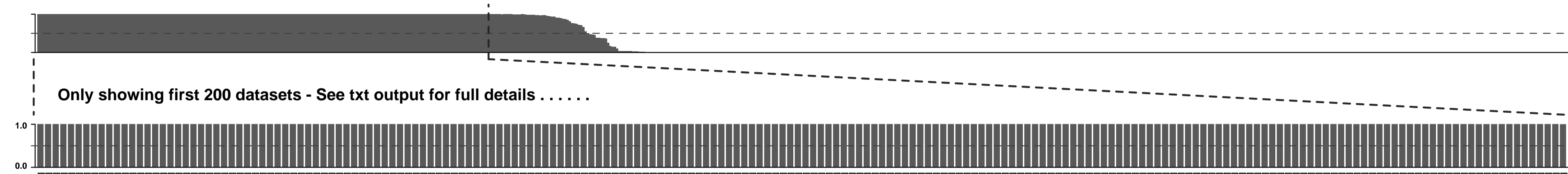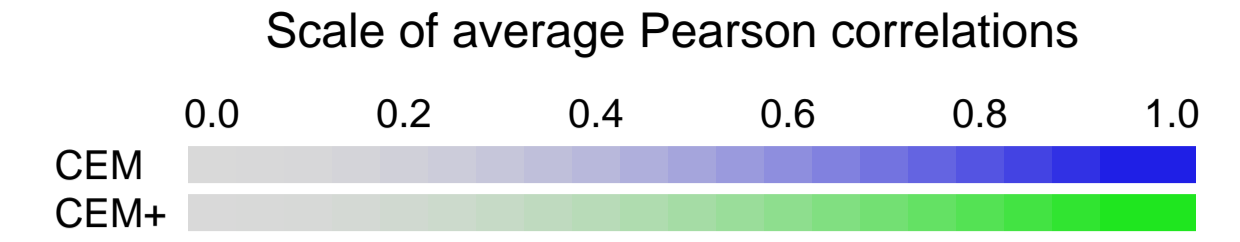
Overview of Co-Expression Modules (CEMs) with Dataset Weighting

Num of Genes in Query Geneset: 41.   Num of CEMs: 1.

Scale of average Pearson correlations

0.0   0.2   0.4   0.6   0.8   1.0

CEM 1 (245 datasets)

Singletons
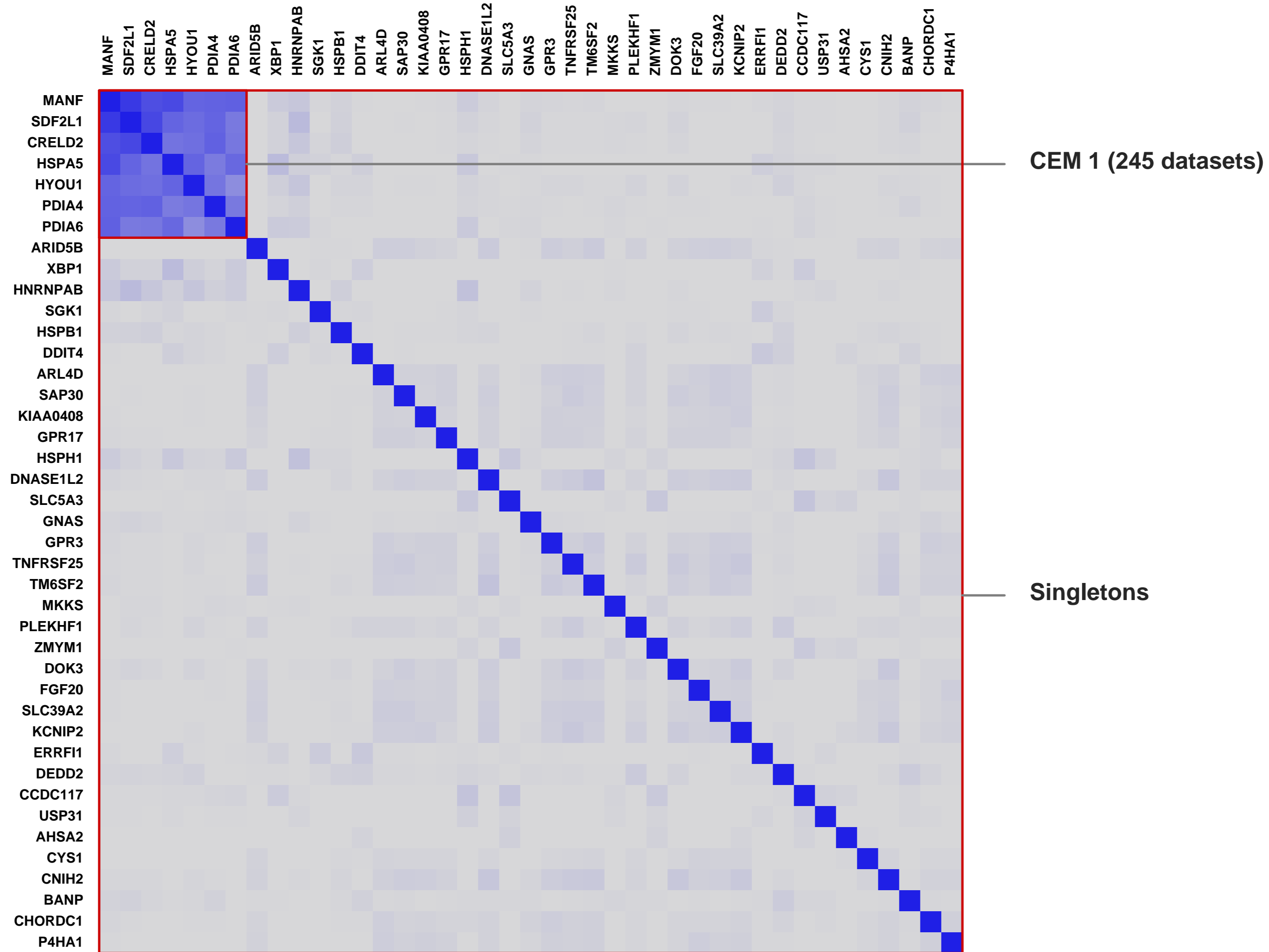
CEM 1, Gene set "", Page 1

Num of CEM Genes: 7.   Num of Predicted Genes: 32.   Num of Selected Datasets: 245.   CEM Strength: 14.7

Scale of average Pearson correlations

CEM		
CEM+		

Only showing first 200 datasets - See txt output for full details . . . . . .

Symbol	Score	Notes
MANF		
SDF2L1		
CRELD2		
HSPA5		
HYOU1		
PDIA4		
PDIA6		
DNAJB11	83.73	
HSP90B1	70.04	
PDIA3	62.45	
PPIB	55.98	
C19orf10	51.96	
SLC35B1	46.03	
SEC61A1	36.05	
RPN1	34.53	
DNAJC3	33.69	
CDK2AP2	30.70	
CALR	27.14	
VIMP	24.52	
DERL2	23.96	
ATP2A2	20.65	
SEC11C	20.53	
P4HB	18.17	
SELK	13.11	
OSTC	13.08	
TMED9	11.93	
SRPRB	11.67	
SPCS3	11.57	
FKBP2	11.39	
RPN2	8.51	
NANS	7.86	
STT3A	7.76	
GMPPA	6.27	
SLC33A1	5.78	
SURF4	5.55	
SEC61B	2.37	
PREB	0.68	
TMED10	0.41	
SEC61G	0.01	