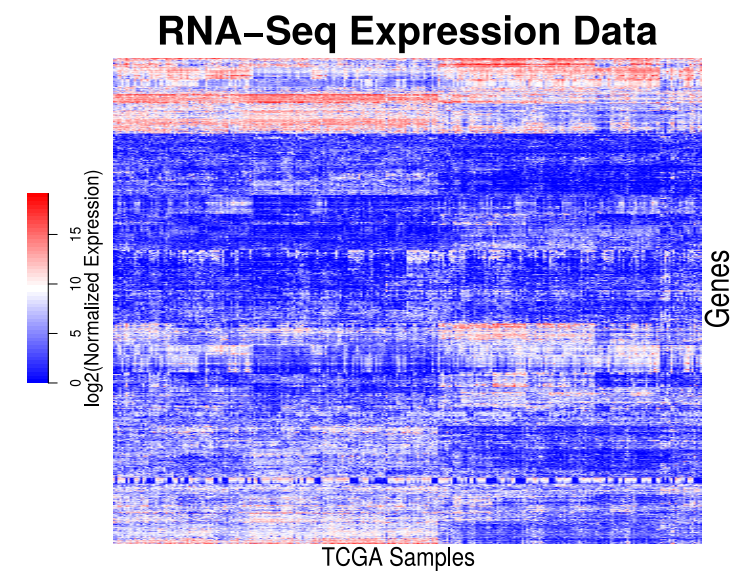
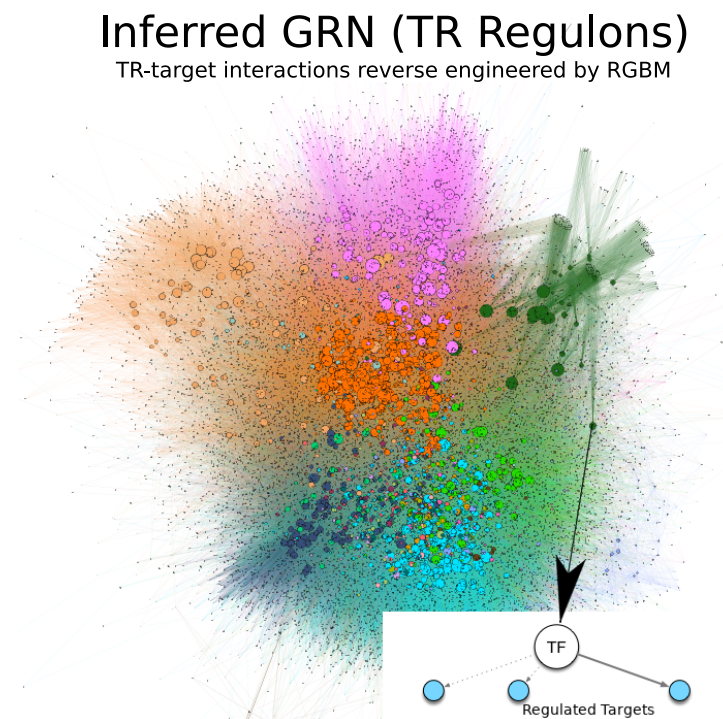


A



B



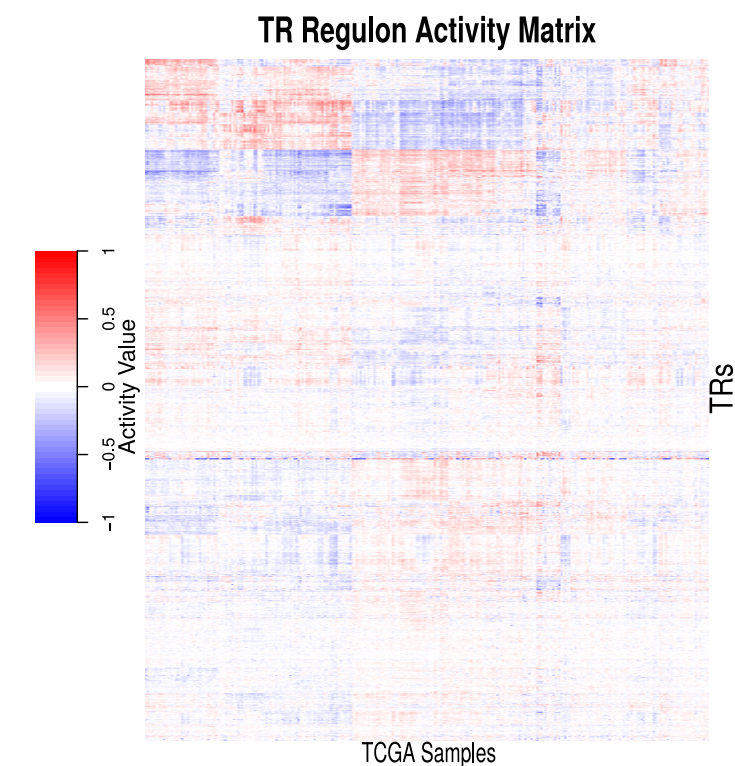
C

GRN	Target1	Target2	Target3	Target4	Target5
TR1	0.5	1	0.5	0	0	
TR2	0	0	0	0	0.1	
TR3	0	0	0.4	1	0	
TR4	0	0	0	0	0	
.						
Correlation Matrix	Target1	Target2	Target3	Target4	Target5
TR1	-0.8	0.5	0.04	0.7	-0.4	
TR2	-0.1	0.2	0.2	-0.7	1	
TR3	0.95	0.94	0.4	-0.1	-0.5	
TR4	0.01	0.1	0.5	0.5	0.4	
.						

Regulons: TR1 Target1, Target2, Target3
TR2 Target5
TR3 Target3, Target4
TR4 None

Red: Positive
Green: Negative

D



E

TR Regulon	Gene ranks	NES	pval	padj
CD4		2.98	1.2e-06	2.3e-05
SPHK1		2.06	1.2e-06	2.3e-05
FGFR1		1.73	1.2e-06	2.3e-05
ZEB2		2.42	1.2e-06	2.3e-05
CAVIN1		2.27	1.2e-06	2.3e-05
PRRX1		2.52	1.2e-06	2.3e-05
IL1RAP		1.78	1.2e-06	2.3e-05
DDR2		2.51	1.2e-06	2.3e-05
ICAM1		2.16	1.2e-06	2.3e-05
TGFB3		2.40	1.2e-06	2.3e-05
MEF2C		2.03	1.2e-06	2.3e-05
ITGB2		3.13	1.2e-06	2.3e-05
ZEB1		1.84	1.2e-06	2.3e-05
FBN1		2.72	1.2e-06	2.3e-05
BNC2		2.53	1.2e-06	2.3e-05
GLI4		-2.14	3.1e-06	3.9e-05
HOXB5		-2.12	3.1e-06	3.9e-05
POU3F1		-2.11	3.1e-06	3.9e-05
NPAS2		-2.07	3.1e-06	3.9e-05
HSF4		-2.04	3.0e-06	3.9e-05
L3MBTL1		-2.31	3.0e-06	3.9e-05
CHP2		-2.50	3.0e-06	3.9e-05
ZNF44		-2.10	3.0e-06	3.9e-05
PRKN		-2.04	2.9e-06	3.9e-05
GATA2		-2.06	2.9e-06	3.9e-05
ZNF682		-2.15	2.8e-06	3.8e-05
ZNF704		-2.10	2.8e-06	3.8e-05
MAPK10		-2.10	2.8e-06	3.8e-05
TLE6		-2.09	2.6e-06	3.7e-05
ERBB4		-2.11	2.5e-06	3.5e-05

0 5000 10000 15000 20000

F

