



Effect sizes of the 16 TFs by our method (OLS), lasso and ridge regression

Regulator	OLS	Lasso		Ridge	
	Effect size	Effect size	Rank	Effect size	Rank
GATA6	0.14	0.07	7	0.07	6
NFIL3	-0.12	-0.10	1	-0.08	2
SREBF2	0.12	0.08	6	0.07	5
SREBF1	-0.08	-0.04	30	-0.04	35
TBP	0.05	0.04	23	0.04	31
HLF	0.11	0.06	8	0.05	12
TCF12	0.10	0.08	3	0.07	3
GATA1	-0.07	-0.06	11	-0.04	24
FOSB	0.10	0.08	4	0.07	8
RARA/RARB/RARG/RXRB	0.21	0.019	59	0.03	51
REST	0.14	0.09	2	0.09	1
FOXF2	-0.05	-0.04	25	-0.03	39
FOXC1	0.09	0.06	10	0.06	11
HMG1	0.09	0.06	9	0.06	10
E2F7	0.12	0.08	5	0.07	4
NKX2-1	0.06	0.04	24	0.04	19