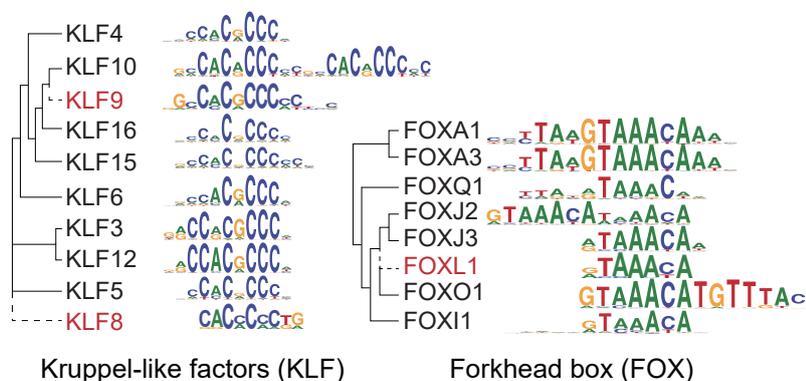
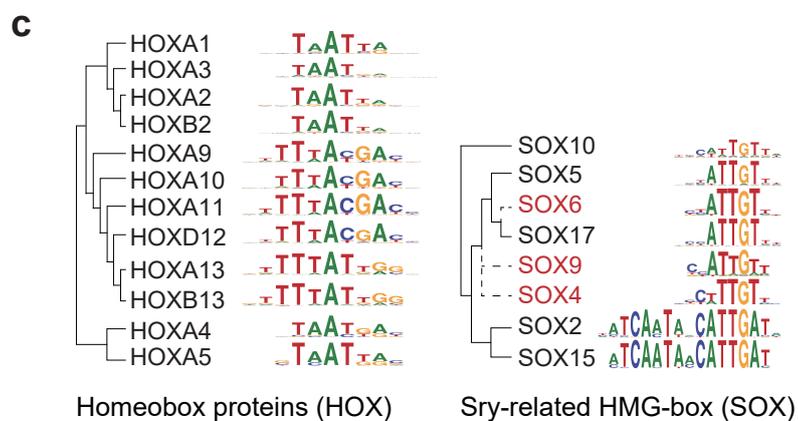
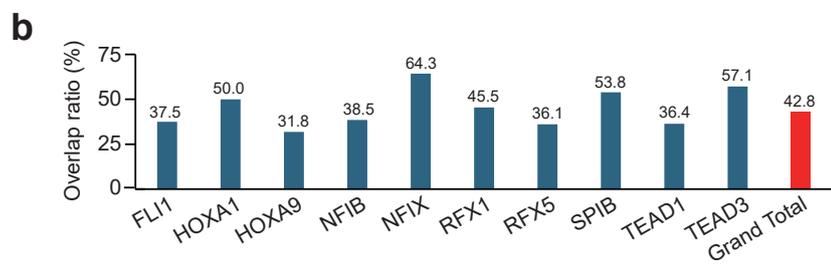
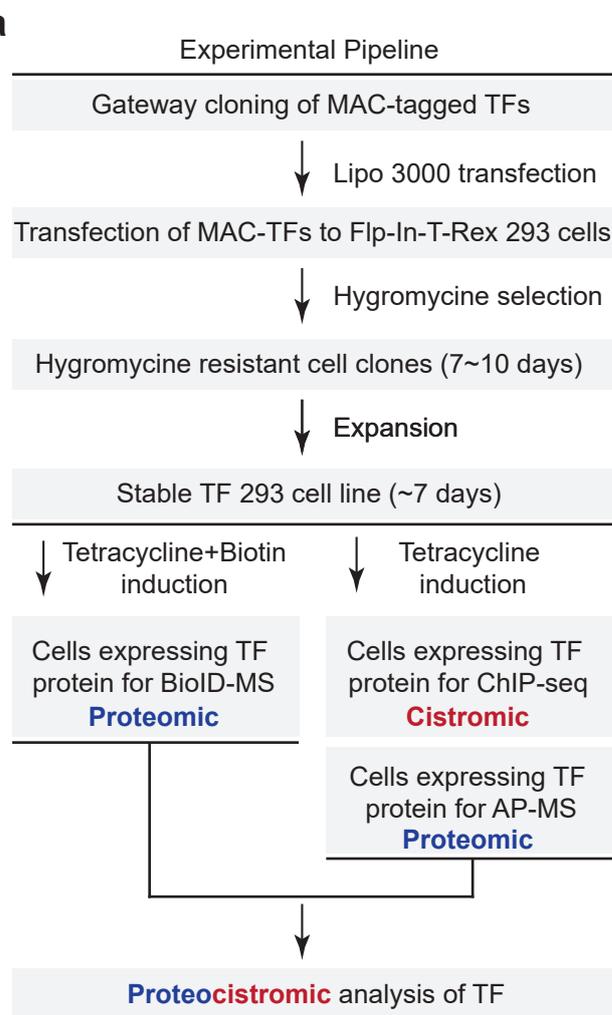


Figure S1

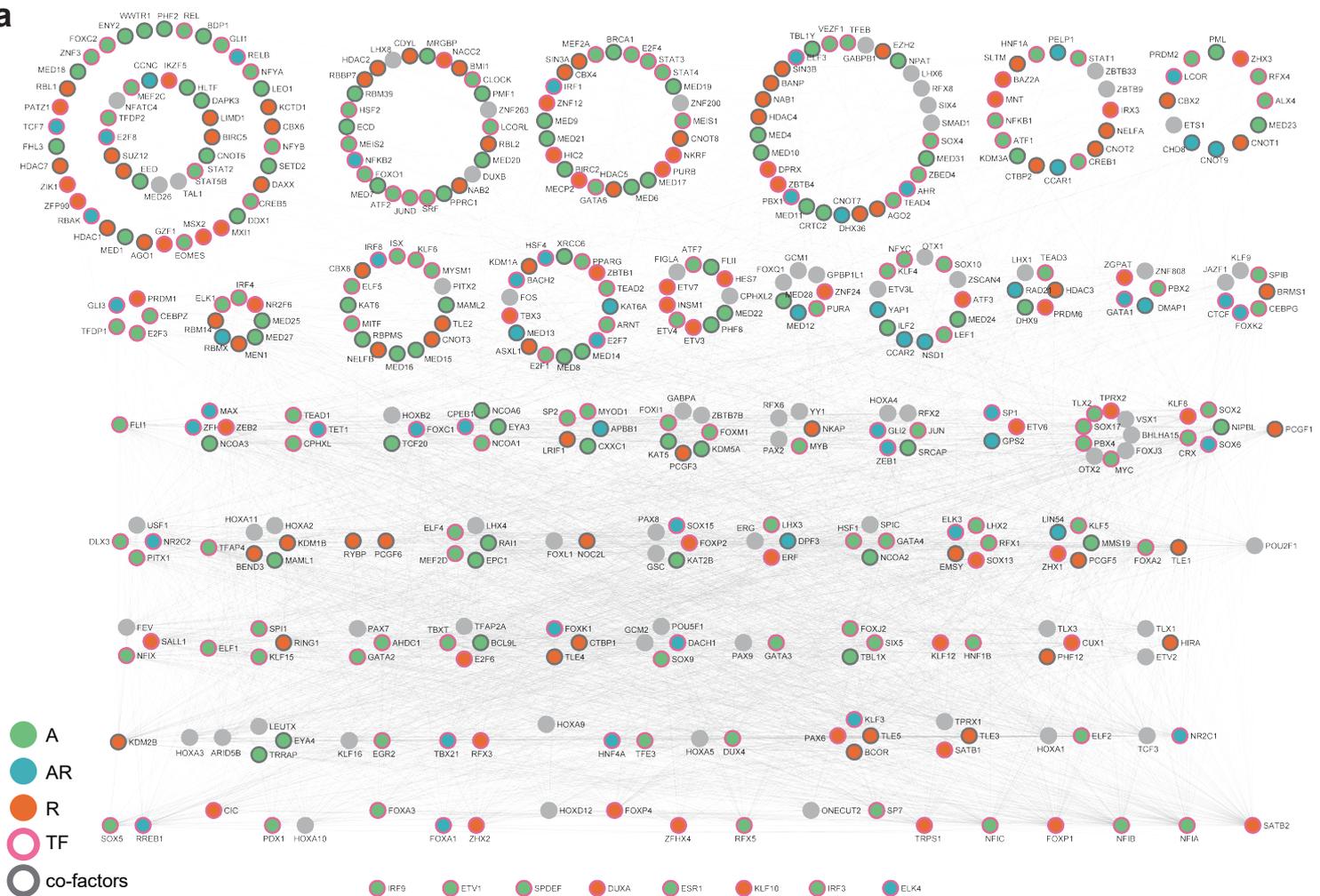


— Per Nader et al.'s clustering - - - Clustering inferred from motifs

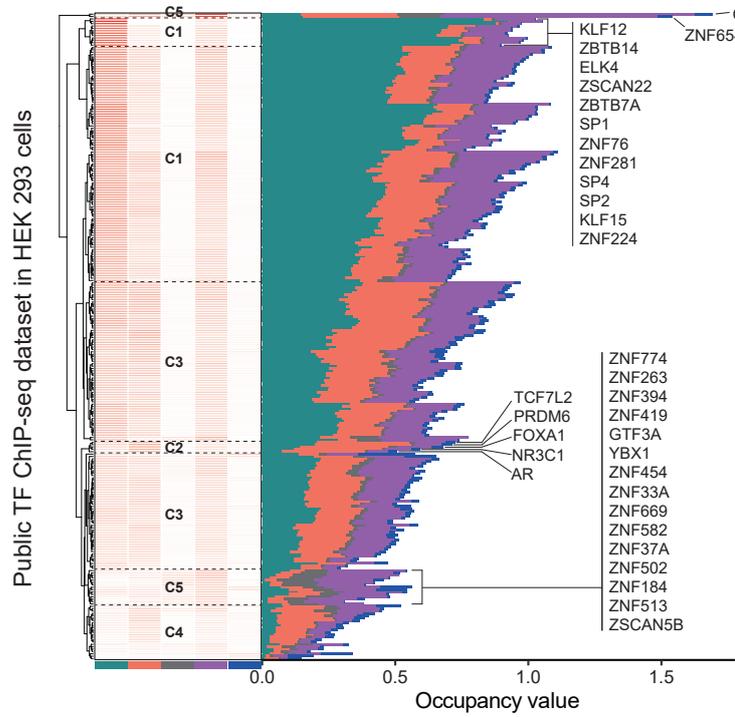
Red TFs used for clustering inference

Figure S2

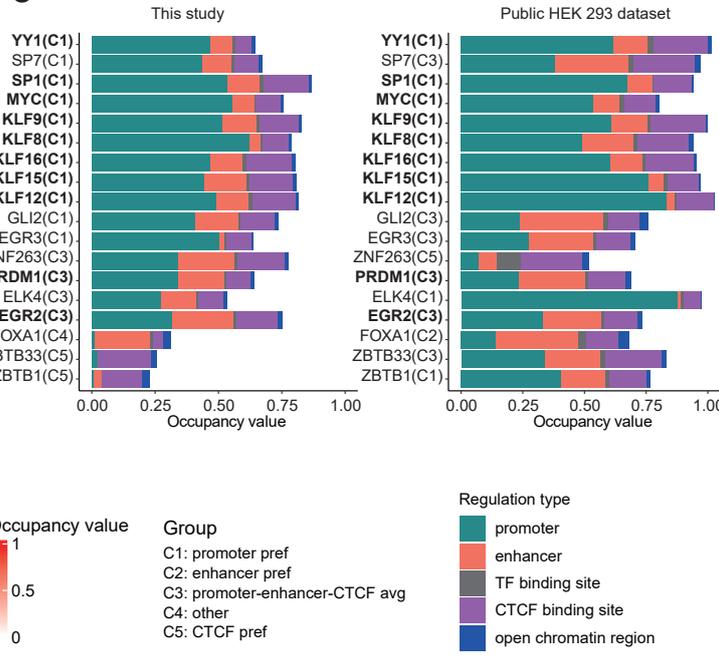
a



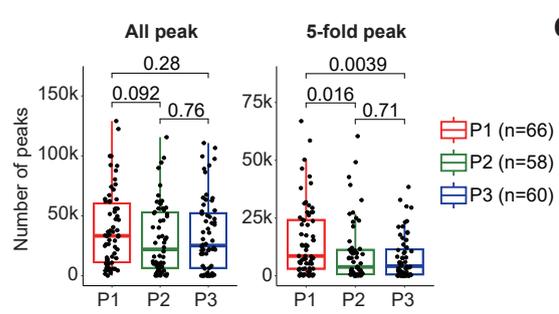
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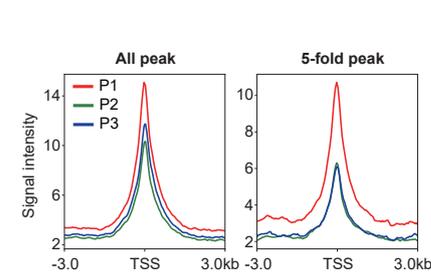
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d



e



f

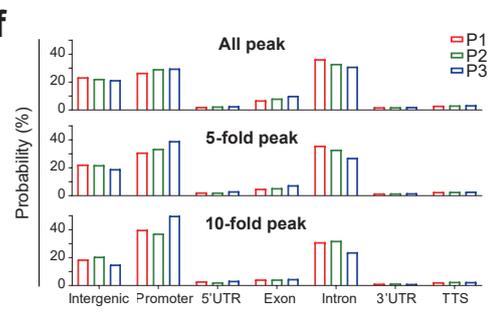


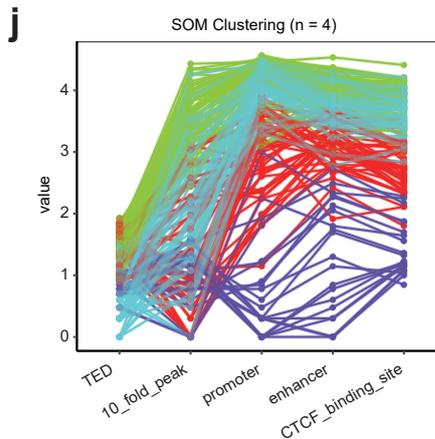
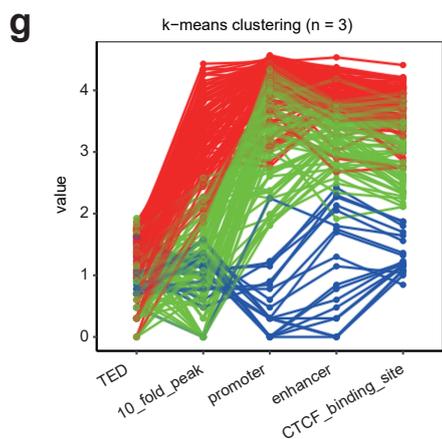
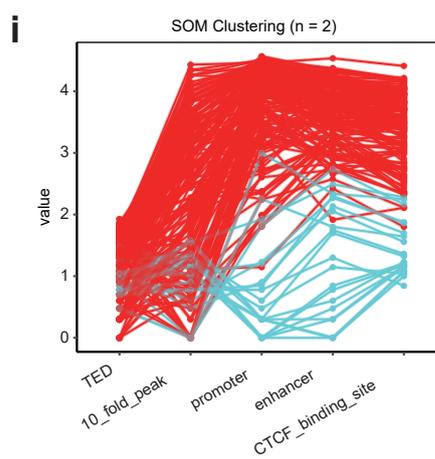
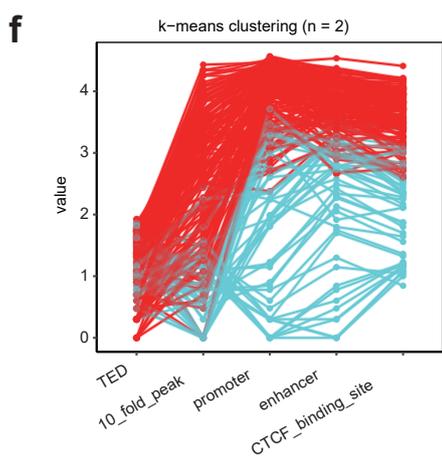
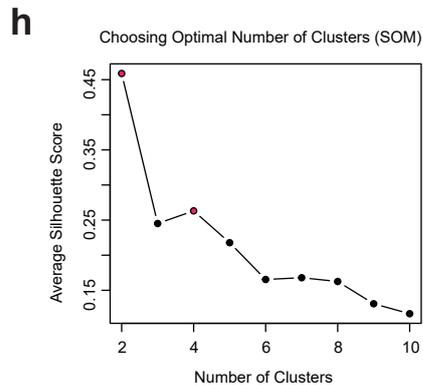
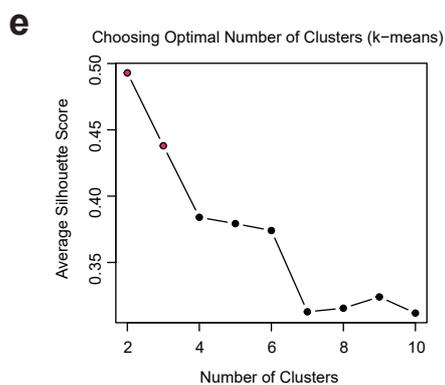
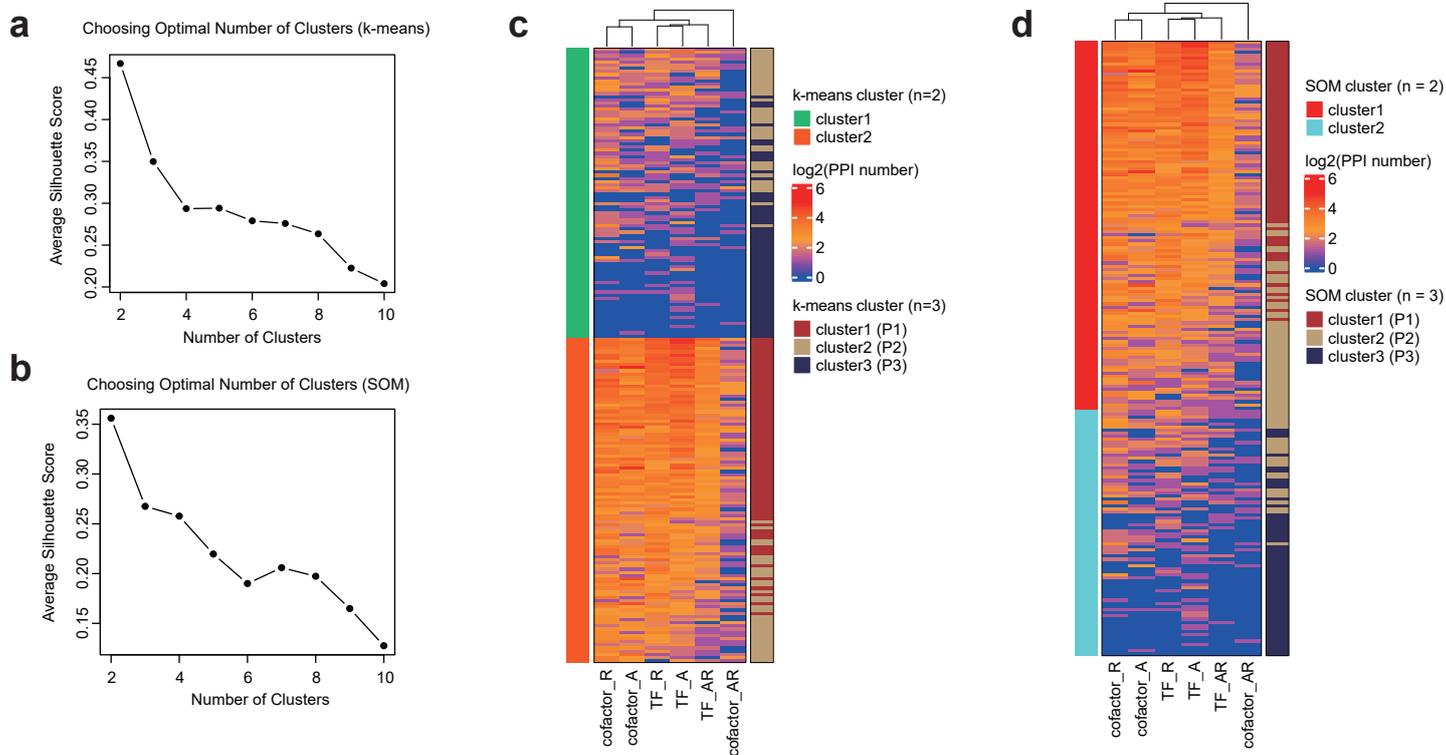
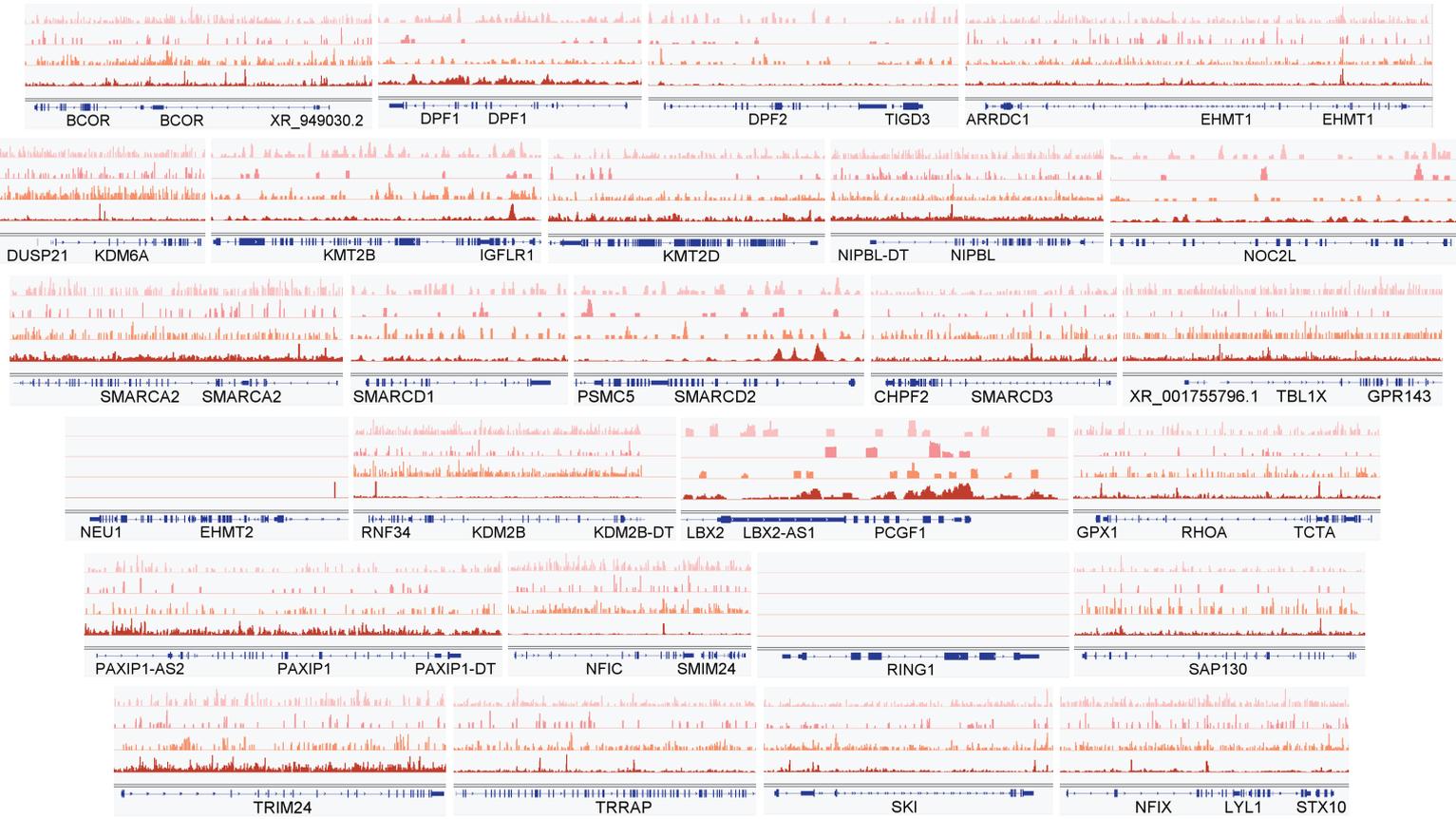
Figure S3

Figure S4

a



b

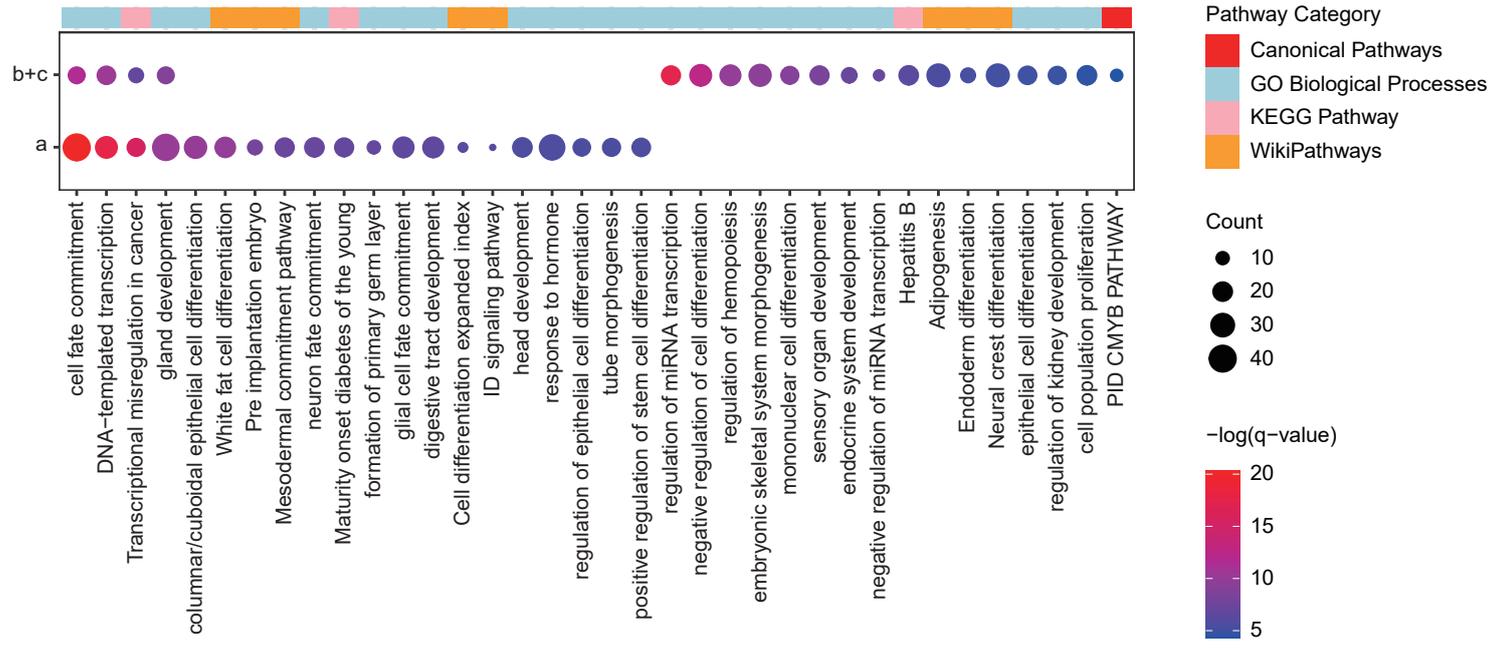
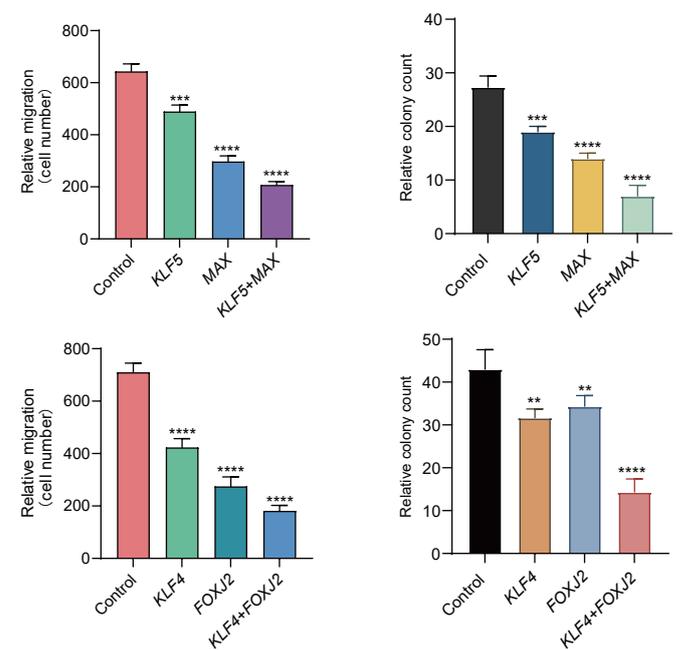
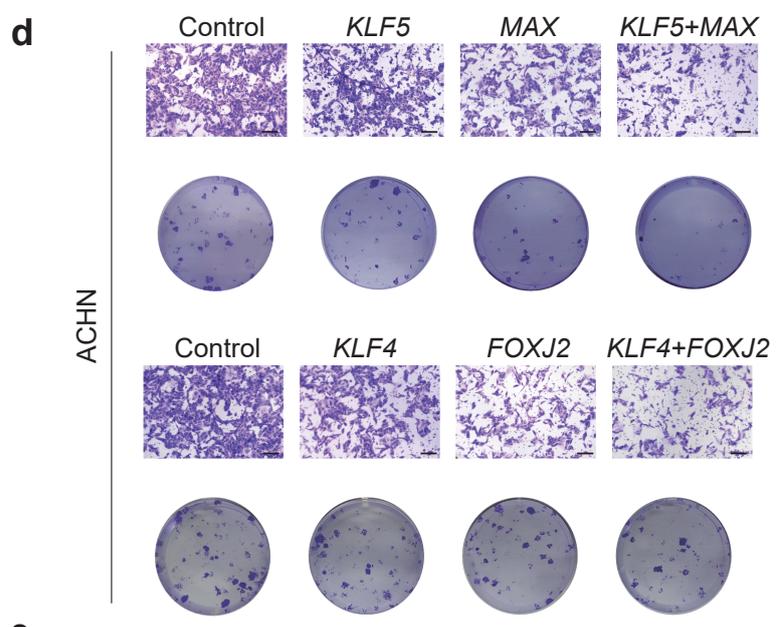
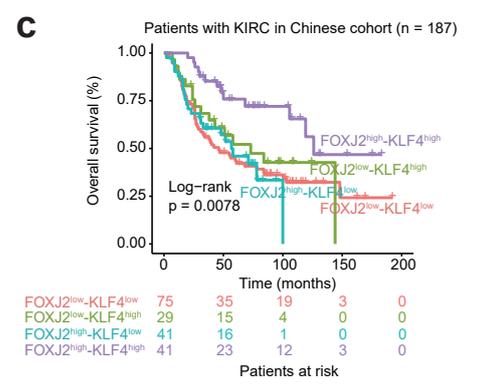
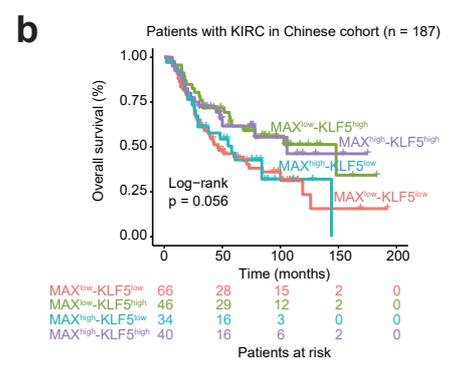
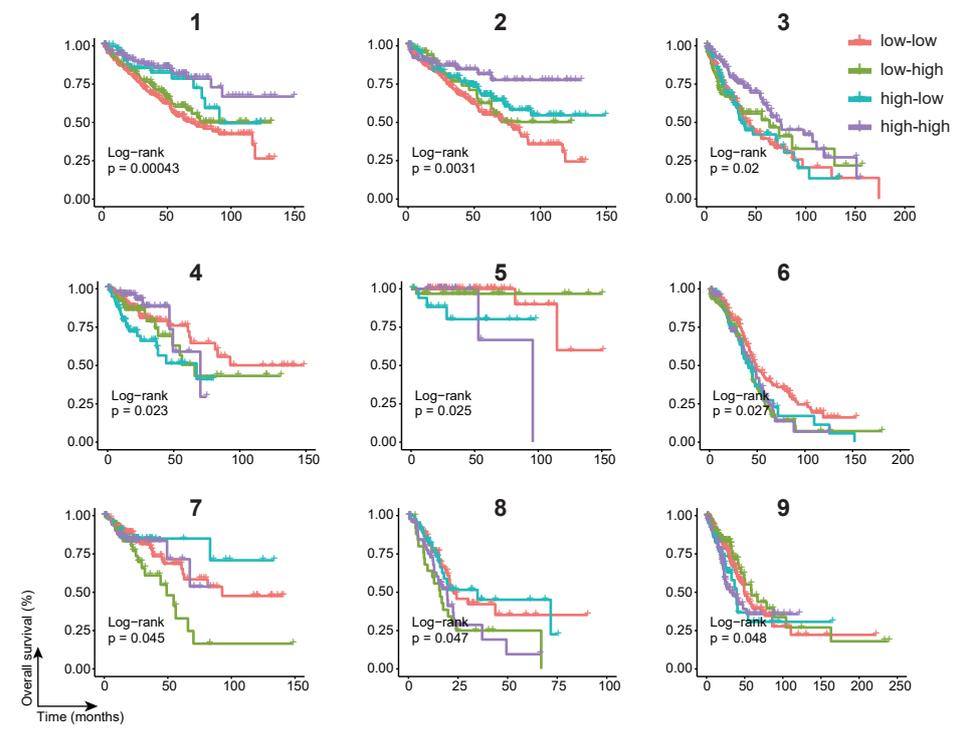
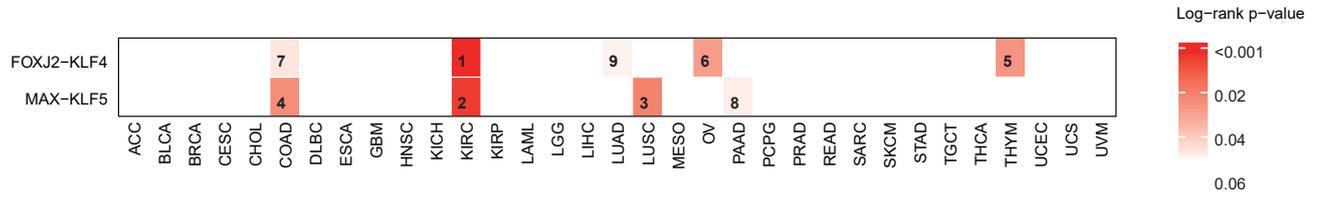


Figure S5

a



e

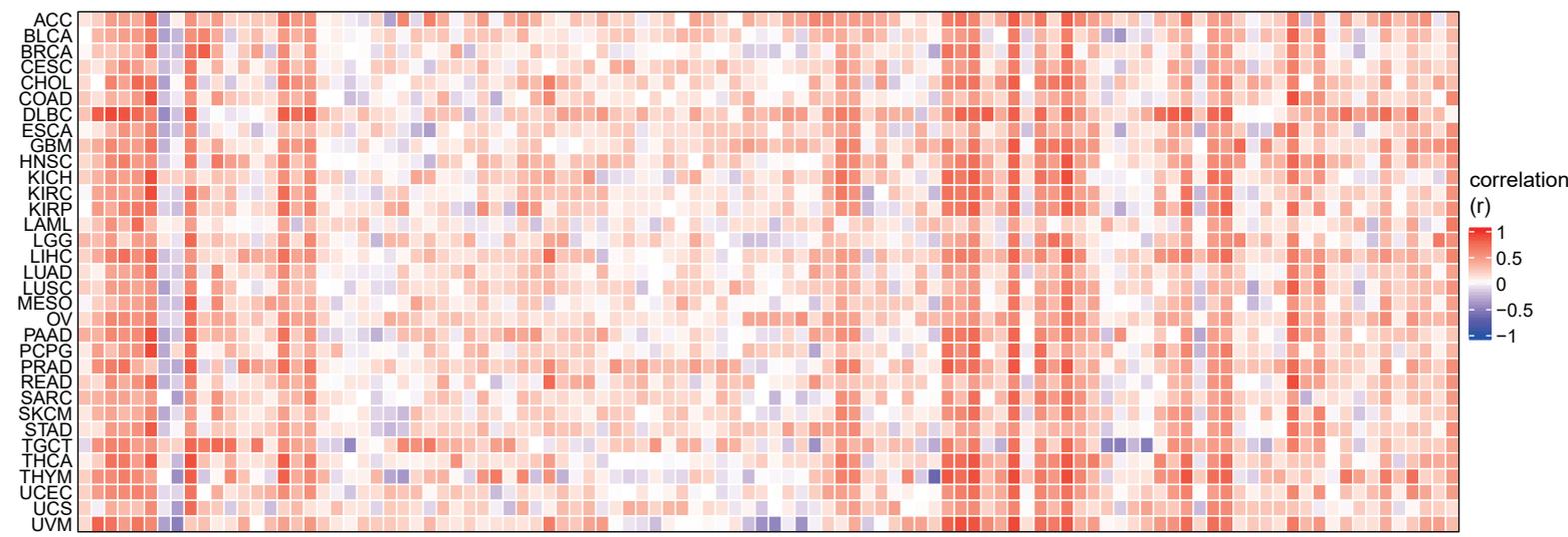
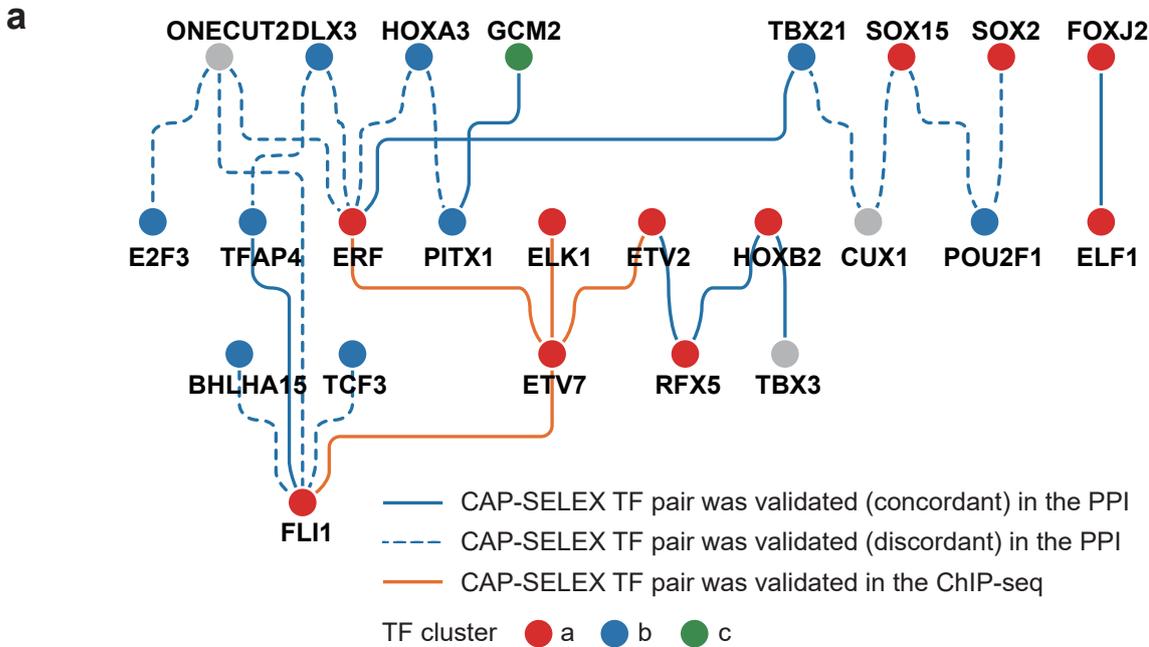


Figure S6



b

Top500 peaks	Source	ID	Consensus	E-value	Region Width	Region Matches
ELK1	JASPAR core motif	ELK1	ACCGGAAGTR	2.20E-23	129	386
	JASPAR core motif	FLI1	ACCGGAARTR	1.80E-20	127	388
	JASPAR core motif	ERF	ACCGGAAGTR	1.7E-19	125	370
	JASPAR core motif	ETV7	DGSCGGAAGTR	4.20E-17	122	400
	JASPAR core motif	ETV2	AACCGGAAATR	2.90E-16	122	305
	CAP SELEX TF pair	ELK1_ETV7	AVSCGGACGGATDTCCGGBT	1.10E-01	153	53
	CAP SELEX TF pair	ETV2_ETV7	NVMGGACGGAYDTCCCKBN	3.10E-01	107	28
	CAP SELEX TF pair	FLI1_ETV7	NSMGGAMGGATDTCCGSN	3.2	153	51
	CAP SELEX TF pair	ERF_ETV7	VSMGGAMGGATDTCCCKBN	6.1	107	28
ERF	JASPAR core motif	ETV7	DGSCGGAAGTR	3.30E-24	102	374
	JASPAR core motif	ERF	ACCGGAAGTR	5.00E-23	97	308
	JASPAR core motif	FLI1	ACCGGAARTR	2.90E-22	101	314
	JASPAR core motif	ELK1	ACCGGAAGTR	2.40E-21	81	236
	JASPAR core motif	ETV2	AACCGGAAATR	8.20E-19	102	268
	CAP SELEX TF pair	ETV2_ETV7	NVMGGACGGAYDTCCCKBN	1.40E-03	37	20
	CAP SELEX TF pair	FLI1_ETV7	NSMGGAMGGATDTCCGSN	1.90E-02	55	32
	CAP SELEX TF pair	ELK1_ETV7	AVSCGGACGGATDTCCGGBT	3.80E-02	85	40
	CAP SELEX TF pair	ERF_ETV7	VSMGGAMGGATDTCCCKBN	1.1	39	18
ETV2	JASPAR core motif	FLI1	ACCGGAARTR	1.40E-35	105	404
	JASPAR core motif	ELK1	ACCGGAAGTR	2.60E-33	81	319
	JASPAR core motif	ERF	ACCGGAAGTR	1.90E-28	113	402
	JASPAR core motif	ETV7	DGSCGGAAGTR	1.70E-26	112	410
	JASPAR core motif	ETV2	AACCGGAAATR	2.50E-26	106	365
	CAP SELEX TF pair	ERF_ETV7	VSMGGAMGGATDTCCCKBN	8.70E-02	87	31
	CAP SELEX TF pair	ELK1_ETV7	AVSCGGACGGATDTCCGGBT	1.00E-01	79	34
	CAP SELEX TF pair	FLI1_ETV7	NSMGGAMGGATDTCCGSN	3.10E-01	87	39
	CAP SELEX TF pair	ETV2_ETV7	NVMGGACGGAYDTCCCKBN	4.60E-01	95	26
ETV7	JASPAR core motif	ELK1	ACCGGAAGTR	2.40E-48	55	235
	JASPAR core motif	FLI1	ACCGGAARTR	2.40E-47	55	263
	JASPAR core motif	ERF	ACCGGAAGTR	5.00E-44	57	260
	JASPAR core motif	ETV7	DGSCGGAAGTR	1.00E-43	58	303
	JASPAR core motif	ETV2	AACCGGAAATR	7.40E-32	56	199
	CAP SELEX TF pair	ELK1_ETV7	AVSCGGACGGATDTCCGGBT	2.70E-03	63	31
	CAP SELEX TF pair	FLI1_ETV7	NSMGGAMGGATDTCCGSN	1.50E-02	63	33
	CAP SELEX TF pair	ERF_ETV7	VSMGGAMGGATDTCCCKBN	1.00E-01	85	28
	CAP SELEX TF pair	ETV2_ETV7	NVMGGACGGAYDTCCCKBN	1.20E-01	85	26
FLI1	JASPAR core motif	FLI1	ACCGGAARTR	3.70E-89	87	431
	JASPAR core motif	ELK1	ACCGGAAGTR	6.80E-81	85	404
	JASPAR core motif	ERF	ACCGGAAGTR	8.40E-78	85	407
	JASPAR core motif	ETV2	AACCGGAAATR	5.10E-75	88	387
	JASPAR core motif	ETV7	DGSCGGAAGTR	2.00E-72	76	399
	CAP SELEX TF pair	ELK1_ETV7	AVSCGGACGGATDTCCGGBT	3.70E-08	71	51
	CAP SELEX TF pair	FLI1_ETV7	NSMGGAMGGATDTCCGSN	4.40E-08	73	47
	CAP SELEX TF pair	ETV2_ETV7	NVMGGACGGAYDTCCCKBN	2.20E-05	67	29
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Figure S8

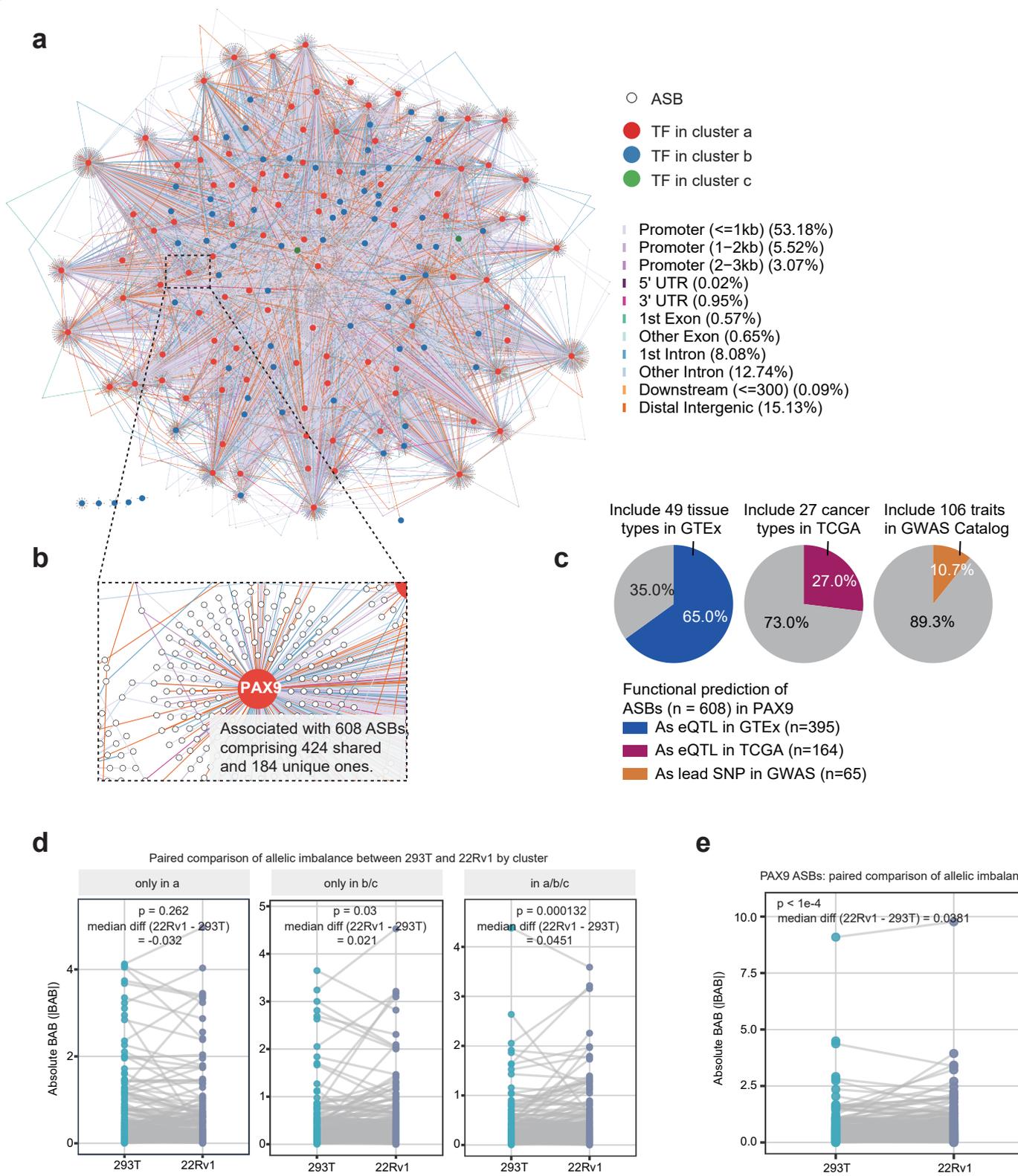


Figure S9

