Table S4B-GenomicFeaturesFuncCat-RA

Correlation of TF classes and families with a variety of genomic datasets

		Avg. Expr. in 34 Tissues	max SCC of binding with expression	Tissue Spec.	PPI degree (Ideker)	PPI degree (BioGRID)	N kinase interact.	N miRNA interact.	N targets in reg. net.	N target TFs in reg. net.
Average Value	TFSS	6,326	0.6099	0.91989223	16.5750	31.116279	12.905660	18.595238	257.29213	20.651685
	General factors	1,595	0.5434	0.23792600	34.2727	62.571428	13	7.6363636	182.33333	13.133333
	Chromatin factors	2,732	0.5422	0.19529750	16.0000	44.466666	12.727272	8.4	173	24.8
t-test p-value	TFSS	7.97E-02	3.20E-02	1.34E-08	1.28E-01	3.81E-02	4.93E-01	1.10E-04	2.66E-02	4.03E-01
	General factors	6.42E-02	1.42E-01	1.55E-06	1.16E-01	6.21E-02	4.85E-01	1.90E-03	1.28E-01	5.61E-02
	Chromatin factors	1.50E-01	1.21E-01	5.62E-09	3.30E-01	2.80E-01	4.80E-01	4.25E-03	9.25E-02	3.39E-01
Wilcoxon p-value	TFSS	3.50E-01	1.71E-01	2.97E-05	1.40E-01	5.12E-02	4.76E-01	5.81E-04	2.39E-03	5.82E-03
	General factors	1.90E-01	4.24E-01	2.91E-03	1.23E-01	4.68E-02	3.61E-01	3.17E-02	4.71E-02	1.99E-02
	Chromatin factors	2.67E-01	1.47E-01	4.21E-03	4.23E-01	3.18E-01	3.98E-01	8.32E-03	2.20E-02	1.07E-01
Average Value	bZIP	30,414	0.6023	0.98087250	20.6667	35.666666	15.25	9.7	226.08333	15.833333
	ZNF-C2H2	2,247	0.5665	0.71330877	11.5833	13.2	7.875	24.333333	330	35.1875
	Homeodomain	1,097	0.5054	0.38864625	4.7143	15.5	14.333333	17.375	144.625	13.625
	HLH	3,512	0.6257	0.54822364	12.6364	37	12.625	18.333333	295.66666	26.083333
	Unknown family	2,927	0.6349	1.08832267	11.4444	16.947368	13.25	11.882352	259.73684	17.947368
	IPT/TIG	974	0.6487	NA	NA	14	NA	43	319	20
	Nuclear Receptor (NR)	1,579	0.6121	1.27369000	34.7143	76	12.666666	28	240.57142	15.285714
	ZNF-GATA	1,996	0.4673	2.53946667	13.0000	15	6	15	215.66666	16
	MADs-box	1,876	0.6688	0.63271000	20.0000	33.666666	14.666666	31.666666	135.66666	11
	p53	NA	0.6359	0.16751000	53.0000	126	37	11	165	22
	POU	324	0.5612	0.76786500	7.0000	15	4	15	82.5	6
	STAT	5,992	0.6143	0.21211333	23.6667	69.666666	12.333333	9	200.66666	17.333333
	AP2	NA	0.6626	2.50660000	7.0000	14	2	16.5	177.5	12
t-test p-value	bZIP	1.12E-01	4.44E-01	3.72E-01	1.94E-01	2.71E-01	6.16E-02	1.12E-03	3.13E-01	1.02E-01
	ZNF-C2H2	9.81E-02	1.99E-01	2.56E-01	2.23E-01	1.23E-02	4.55E-02	1.77E-01	1.13E-01	6.75E-02
	Homeodomain	4.80E-02	1.23E-01	6.50E-05	2.60E-05	2.01E-02	3.98E-01	4.57E-01	4.20E-02	1.07E-01
	HLH	2.01E-01	2.17E-01	4.20E-02	1.86E-01	3.44E-01	4.51E-01	4.72E-01	1.93E-01	2.43E-01
	Unknown family	1.40E-01	2.24E-02	2.14E-01	4.21E-02	7.17E-03	3.58E-01	4.64E-02	3.52E-01	2.10E-01
	IPT/TIG	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nuclear Receptor (NR)	6.64E-02	3.38E-01	2.28E-01	8.29E-02	5.93E-02	4.59E-01	8.51E-02	4.55E-01	6.48E-02
	ZNF-GATA	8.77E-02	NA	5.50E-02	2.76E-01	1.15E-02	6.34E-06	NA	3.99E-01	3.27E-01
	MADs-box	7.45E-02	5.41E-06	1.75E-01	3.03E-01	3.69E-01	2.49E-01	5.18E-02	1.27E-01	1.30E-01
	p53	NA	NA	NA	NA	NA	NA	NA	NA	NA
	POU	NA	NA	NA	NA	NA	NA	NA	NA	NA
	STAT	4.60E-01	3.99E-01	2.08E-06	2.30E-01	1.41E-01	4.99E-01	8.26E-02	2.53E-01	2.47E-01
	AP2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Wilcoxon p-value	bZIP	4.44E-02	2.72E-01	5.07E-02	8.83E-02	3.85E-02	1.11E-01	1.52E-01	4.21E-01	3.22E-01
	ZNF-C2H2	2.32E-01	2.55E-01	3.71E-02	1.45E-02	6.89E-05	5.27E-02	2.87E-01	1.07E-01	2.11E-02
	Homeodomain	4.08E-02	8.22E-02	1.19E-01	3.54E-03	2.77E-01	4.31E-01	4.23E-01	3.65E-02	8.97E-02
	HLH	2.02E-01	8.42E-02	1.20E-01	3.78E-01	4.45E-01	4.31E-01	4.18E-01	1.70E-01	3.20E-01
	Unknown family	4.01E-01	1.56E-01	2.35E-01	4.12E-01	2.65E-01	3.41E-01	1.88E-02	2.13E-01	4.52E-01
	IPT/TIG	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nuclear Receptor (NR)	1.77E-01	3.27E-01	2.75E-01	1.52E-01	2.93E-03	4.00E-01	2.18E-02	4.73E-01	4.33E-01
	ZNF-GATA	3.47E-01	NA	8.69E-03	2.66E-01	4.06E-01	1.08E-01	NA	4.32E-01	3.79E-01
	MADs-box	2.58E-01	1.15E-01	4.47E-01	8.62E-02	7.81E-02	2.50E-01	3.09E-02	1.16E-01	1.53E-01
	p53	NA	NA	NA	NA	NA	NA	NA	NA	NA
	POU	NA	NA	NA	NA	NA	NA	NA	NA	NA
	STAT	3.35E-02	5.00E-01	3.85E-02	1.08E-01	6.82E-02	4.62E-01	2.07E-01	3.84E-01	4.50E-01
	AP2	NA	NA	NA	NA	NA	NA	NA	NA	NA