

Table 1

Comparison of wTF2.0 versus wTF1.0

DNA binding domain	Description	wTF2.0			wTF1.0			
		WPI40 22,420	Family members in humans	Ortholog pairs	Clarke 1998 WPI4 14,655 [16]	Ruvkun 1998 WPI5 15,558 [15]	Rubin 2000 WPI8 18,576	Reichman 2000 WPI20 19,101 [18]
AP-2	Activator protein-2	4	5	0	-	-	-	4
ARID/BRIGHT	AT-rich interaction domain	4	9	2	-	-	-	4
AT HOOK		31	28	5	-	-	-	-
BHLH	basic region helix loop helix	42	103	22	-	24	-	25
BZIP	basic region leucine zipper	32	57	11	-	18	18	25
CBF	CCAAT-binding factor	9	12	7	-	-	-	-
COLD BOX		5	11	2	-	-	-	-
CP2		1	6	1	-	-	-	-
HD	Homeodomain	99	167	36	-	83	88	84
HMG	High mobility group	16	59	12	-	-	-	15
HTH	Helix turn helix	2	12	2	-	-	-	-
IPT/TIG	Ig-like, plexins, TFs	3	8	2	-	-	-	-
MADF	Mothers against Dpp factor	9	0	0	-	-	-	-
MADS box	MCM1/AG/DEF/SRF	2	5	2	-	-	-	2
MHI	MAD homology I	7	12	1	-	-	-	-
MYB		19	21	8	-	-	16	3
p53		3	3	1	-	-	-	0
PD-FULL	Paired domain	5	9	1*	-	5	-	-
PD-NPAX	Paired domain	4	0	0	-	-	-	-
PD-CPAX	Paired domain	1	0	0	-	-	-	-
PD-UNDEFINED	Paired domain	-	-	-	-	-	11†	10†
RPEL		1	3	1	-	-	-	-
RUNT		1	6	1	-	-	-	1
SAND	Sp100, AIRE-1, NucP41/75, DEAF-1	4	8	1*	-	-	-	-
STAT	Signal transducers and activators of transcription	2	7	0	-	-	-	1
T-BOX		21	17	2	-	17	-	21
TEA/ATTS	Transcriptional enhancer activator	1	4	1	-	-	-	-
TSC-22/DIP/BUN		3	4	0	-	-	-	1
WH-DAC	Dachshund	1	2	1	-	-	-	-
WH-ETS	Erythroblast transformation specific	10	15	5	-	10	-	10
WH-FH	Fork head	18	41	4	-	15	19	15
WH-HSF	Heat shock factor	2	8	1	-	-	-	1
WH-RFX	X-box binding regulatory factor	1	3	0	-	-	-	1
WH-TDP	TF E2F dimerisation partner	4	11	2	-	-	-	4
WH-UNDEFINED	Winged helix	4	0	0	-	-	-	-
WT1	Wilms tumor1	1	17	0	-	-	-	-
YLI		1	1	1	-	-	-	-
ZF-A20	Zinc finger, A20-type	2	6	2	-	-	-	-
ZF-BED	BEAF/DREF-like ZF	6	4	1	-	-	-	-

Table 1 (Continued)

Comparison of wTF2.0 versus wTF1.0								
ZF-C2H2		211	391	35	117	-	138	139
ZF-C2HC		1	6	1	-	-	-	-
ZF-CCCH		32	50	8	20	-	-	15
ZF-DHHC		15	21	7	-	-	13	-
ZF-DM	Dsx and Mab-3-like ZF	11	7	0	8	-	-	9
ZF-FLYWCH		4	1	0	-	-	-	-
ZF-GATA		14	7	3	9	-	-	9
ZF-MIZ	Msx interacting ZF	2	6	1	-	-	-	-
ZF-NF-X1	Nuclear factor	2	3	2	-	-	-	-
ZF-NHR/C4	Nuclear hormone receptor	274	43	6	233	235	224	252
ZF-THAP		5	12	2	-	-	-	-
UNKNOWN		5	0	2	-	-	-	-
TOTAL		957 [‡]	1,231	203	387	407	527	652

This table shows the number of genes encoding each type of domain. Genes encoding multiple domains of the same type are counted only once. Dashes indicate the domain was not investigated. *These genes encode two distinct domains: PD and HD; SAND and AT hook. †Without access to the complete Rubin and Reichmann lists, we are unable to classify their PD family members. ‡Twenty-three genes in wTF2.0 encode two different types of domain.

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16. Clarke ND, Berg JM: **Zinc fingers in *Caenorhabditis elegans* : finding families and probing pathways.** *Science* 1998, **282**:2018-2022.
17. Rubin GM, Yandeu MD, Wortman JR, Gabor Miklas GL, Nelson CR, Hariharan IK, Fortini ME, Li PW, Apweiler R, Fleischmann W, et al.: **Comparative genomics of the eukaryotes.** *Science* 2000, **287**:2204-2215.
18. Riechmann JL, Heard J, Martin G, Reuber L, Jiang C, Keddie J, Adam L, Pineda O, Ratcliffe OJ, Samaha RR, et al.: ***Arabidopsis* transcription factors: genome-wide comparative analysis among eukaryotes.** *Science* 2000, **290**:2105-2110.