

Table S1. Listing of all clones tested on PBMs in this study.

Systematic name	Standard name	Pfam DNA binding domain (known or candidate)	Clone type
YAL021C	CCR4	(none)	DBD only
YAL051W	OAF1	Zn2/Cys6	DBD only
YBL005W	PDR3	Zn2/Cys6	Full length and DBD
YBL008W	HIR1	(none)	Full length only
YBL021C	HAP3	CBFD_NFYB_HMF	Full length only
YBL054W	YBL054W	Myb_DNA-binding	Full length and DBD
YBL093C	ROX3	(none)	Full length and DBD
YBL103C	RTG3	HLH	Full length and DBD
YBR010W	HHT1	(none)	Full length only
YBR033W	EDS1	Zn2/Cys6	DBD only
YBR049C	REB1	Myb_DNA-binding	DBD only
YBR066C	NRG2	Zf_C2H2	Full length and DBD
YBR083W	TEC1	TEA / ATTS	DBD only
YBR089C-A	NHP6B	HMG_box	Full length only
YBR098W	MMS4	(none)	Full length only
YBR112C	CYC8	(none)	Full length only
YBR150C	TBS1	Zn2/Cys6	DBD only
YBR154C	RPB5	(none)	Full length only
YBR182C	SMP1	MADS	Full length and DBD
YBR193C	MED8	(none)	Full length only
YBR239C	YBR239C	Zn2/Cys6	Full length and DBD
YBR240C	THI2	Zn2/Cys6	DBD only
YBR267W	REI1	Zf_C2H2	DBD only
YBR289W	SNF5	(none)	DBD only
YBR297W	MAL33	Zn2/Cys6	DBD only
YCL055W	KAR4	(none)	Full length only
YCR018C	SRD1	Zf_GATA	DBD only
YCR028C-A	RIM1	(none)	Full length only
YCR039C	MATALPHA2	Homeobox	Full length and DBD
YCR066W	RAD18	PHD	DBD only
YCR106W	RDS1	Zn2/Cys6	DBD only
YDL020C	RPN4	Zf_C2H2	Full length and DBD
YDL042C	SIR2	SIR2	DBD only
YDL048C	STP4	Zf_C2H2	Full length and DBD
YDL056W	MBP1	APSES DNA binding	Full length only
YDL106C	PHO2	Homeobox	DBD only
YDL166C	FAP7	(none)	Full length only
YDL170W	UGA3	Zn2/Cys6	DBD only
YDR009W	GAL3	(none)	Full length only
YDR034C	LYS14	Zn2/Cys6	DBD only
YDR043C	NRG1	Zf_C2H2	Full length and DBD
YDR049W	YDR049W	Zf_C2H2	Full length and DBD

YDR073W	SNF11	(none)	Full length only
YDR081C	PDC2	CenpB-DNA-bind	DBD only
YDR096W	GIS1	Zf_C2H2	Full length and DBD
YDR123C	INO2	HLH	Full length and DBD
YDR146C	SWI5	Zf_C2H2	Full length only
YDR151C	CTH1	Zf_CCCH	Full length and DBD
YDR167W	TAF10	(none)	Full length and DBD
YDR169C	STB3	(none)	Full length and DBD
YDR207C	UME6	Zn2/Cys6	DBD only
YDR213W	UPC2	Zn2/Cys6	DBD only
YDR216W	ADR1	Zf_C2H2	Full length and DBD
YDR253C	MET32	Zf_C2H2	Full length and DBD
YDR259C	YAP6	bZIP	Full length and DBD
YDR266C	YDR266C	Zf_C2H2	DBD only
YDR277C	MTH1	(none)	Full length only
YDR296W	MHR1	(none)	Full length only
YDR303C	RSC3	Zn2/Cys6	DBD only
YDR310C	SUM1	AT_hook	DBD only
YDR392W	SPT3	(none)	Full length only
YDR397C	NCB2	CBFD_NFYB_HMF	Full length only
YDR421W	ARO80	Zn2/Cys6	DBD only
YDR423C	CAD1	bZIP	DBD only
YDR448W	ADA2	Myb_DNA-binding	Full length and DBD
YDR451C	YHP1	Homeobox	Full length and DBD
YDR463W	STP1	Zf_C2H2	DBD only
YDR520C	YDR520C	Zn2/Cys6	DBD only
YEL009C	GCN4	bZIP	Full length and DBD
YER028C	MIG3	Zf_C2H2	DBD only
YER040W	GLN3	Zf_GATA	Full length and DBD
YER045C	ACA1	bZIP	DBD only
YER051W	JHD1	PHD	Full length and DBD
YER064C	YER064C	(none)	Full length only
YER068W	MOT2	PHD	Full length only
YER088C	DOT6	Myb_DNA-binding	DBD only
YER109C	FLO8	(none)	DBD only
YER130C	YER130C	Zf_C2H2	Full length and DBD
YER148W	SPT15	TBF	Full length only
YER159C	BUR6	CBFD_NFYB_HMF	Full length and DBD
YER161C	SPT2	(none)	DBD only
YER169W	RPH1	Zf_C2H2	Full length and DBD
YER184C	YER184C	Zn2/Cys6	DBD only
YFL021W	GAT1	Zf_GATA	Full length and DBD
YFL052W	YFL052W	Zn2/Cys6	Full length and DBD
YFR034C	PHO4	HLH	Full length only
YGL013C	PDR1	Zn2/Cys6	DBD only
YGL025C	PGD1	(none)	Full length only
YGL035C	MIG1	Zf_C2H2	Full length only

YGL043W	DST1	(none)	Full length only
YGL071W	AFT1	(none)	Full length only
YGL096W	TOS8	Homeobox	Full length and DBD
YGL127C	SOH1	(none)	Full length only
YGL131C	SNT2	Myb_DNA-binding, PHD	DBD only
YGL162W	SUT1	Zn2/Cys6	DBD only
YGL166W	CUP2	Copper-fist	DBD only
YGL181W	GTS1	(none)	DBD only
YGL192W	IME4	(none)	DBD only
YGL209W	MIG2	Zf_C2H2	DBD only
YGL237C	HAP2	CBF	Full length only
YGL254W	FZF1	Zf_C2H2	Full length only
YGR040W	KSS1	(none)	Full length only
YGR044C	RME1	Zf_C2H2	DBD only
YGR067C	YGR067C	Zf_C2H2	DBD only
YGR097W	ASK10	(none)	Full length and DBD
YGR161C	RTS3	(none)	Full length only
YGR249W	MGA1	HSF_DNA-bind	DBD only
YGR252W	GCN5	Bromodomain	Full length only
YGR288W	MAL13	Zn2/Cys6	Full length and DBD
YHL009C	YAP3	bZIP	Full length and DBD
YHL020C	OPI1	(none)	DBD only
YHR006W	STP2	Zf_C2H2	Full length and DBD
YHR041C	SRB2	(none)	Full length and DBD
YHR056C	RSC30	Zn2/Cys6	DBD only
YHR090C	YNG2	PHD	Full length and DBD
YHR124W	NDT80	NDT80_PhoG	Full length and DBD
YHR206W	SKN7	HSF_DNA-bind	Full length and DBD
YIL036W	CST6	bZIP	DBD only
YIL038C	NOT3	(none)	Full length only
YIL084C	SDS3	(none)	Full length only
YIL101C	XBP1	APSES DNA binding	Full length only
YIL119C	RPI1	(none)	Full length and DBD
YIL122W	POG1	(none)	Full length only
YIL130W	ASG1	Zn2/Cys6	DBD only
YIL131C	FKH1	Fork_head	Full length and DBD
YIR013C	GAT4	Zf_GATA	Full length only
YIR017C	MET28	bZIP	Full length and DBD
YIR018W	YAP5	bZIP	Full length only
YIR023W	DAL81	Zn2/Cys6	DBD only
YJL056C	ZAP1	Zf_C2H2	Full length only
YJL089W	SIP4	Zn2/Cys6	DBD only
YJL103C	GSM1	Zn2/Cys6	Full length only
YJL110C	GZF3	Zf_GATA	Full length and DBD
YJL168C	SET2	(none)	DBD only
YJL206C	YJL206C	Zn2/Cys6	DBD only
YJR060W	CBF1	HLH	Full length and DBD

YJR119C	JHD2	PHD	DBD only
YJR122W	CAF17	(none)	Full length only
YJR127C	RSF2	Zf_C2H2	DBD only
YJR147W	HMS2	HSF_DNA-bind	DBD only
YKL005C	BYE1	PHD	DBD only
YKL015W	PUT3	Zn2/Cys6	DBD only
YKL020C	SPT23	(none)	DBD only
YKL038W	RGT1	Zn2/Cys6	DBD only
YKL043W	PHD1	APSES DNA binding	Full length and DBD
YKL185W	ASH1	Zf_GATA	DBD only
YKL222C	YKL222C	Zn2/Cys6	DBD only
YKR034W	DAL80	Zf_GATA	DBD only
YKR099W	BAS1	Myb_DNA-binding	Full length and DBD
YKR101W	SIR1	(none)	Full length only
YLL054C	YLL054C	Zn2/Cys6	DBD only
YLR013W	GAT3	Zf_GATA	Full length and DBD
YLR014C	PPR1	Zn2/Cys6	DBD only
YLR098C	CHA4	Zn2/Cys6	DBD only
YLR113W	HOG1	(none)	Full length only
YLR136C	TIS11	Zf_CCCH	Full length and DBD
YLR228C	ECM22	Zn2/Cys6	DBD only
YLR256W	HAP1	Zn2/Cys6	DBD only
YLR278C	YLR278C	Zn2/Cys6	DBD only
YLR375W	STP3	Zf_C2H2	Full length and DBD
YLR399C	BDF1	Bromodomain	Full length only
YLR403W	SFP1	Zf_C2H2	DBD only
YLR442C	SIR3	(none)	Full length and DBD
YLR451W	LEU3	Zn2/Cys6	Full length and DBD
YLR453C	RIF2	(none)	Full length only
YML007W	YAP1	bZIP	Full length and DBD
YML027W	YOX1	Homeobox	DBD only
YML051W	GAL80	(none)	Full length only
YML081W	YML081W	Zf_C2H2	DBD only
YML099C	ARG81	Zn2/Cys6	DBD only
YML113W	DAT1	(none)	DBD only
YMR021C	MAC1	Copper-fist	Full length and DBD
YMR033W	ARP9	(none)	Full length only
YMR037C	MSN2	Zf_C2H2	DBD only
YMR039C	SUB1	(none)	DBD only
YMR042W	ARG80	MADS	Full length and DBD
YMR043W	MCM1	MADS	Full length and DBD
YMR053C	STB2	(none)	DBD only
YMR070W	MOT3	Zf_C2H2	Full length and DBD
YMR075W	RCO1	PHD	DBD only
YMR168C	CEP3	Zn2/Cys6	DBD only
YMR179W	SPT21	(none)	Full length only
YMR182C	RGM1	Zf_C2H2	DBD only

YMR213W	CEF1	Myb_DNA-binding	Full length and DBD
YMR228W	MTF1	(none)	Full length only
YMR273C	ZDS1	(none)	DBD only
YNL031C	HHT2	(none)	Full length only
YNL068C	FKH2	Fork_head	DBD only
YNL132W	KRE33	(none)	DBD only
YNL199C	GCR2	(none)	Full length and DBD
YNL204C	SPS18	(none)	DBD only
YNL216W	RAP1	Myb_DNA-binding	Full length and DBD
YNL314W	DAL82	(none)	Full length only
YNR063W	YNR063W	Zn2/Cys6	DBD only
YOL028C	YAP7	bZIP	Full length only
YOL067C	RTG1	HLH	Full length and DBD
YOL068C	HST1	SIR2	Full length and DBD
YOL089C	HAL9	Zn2/Cys6	DBD only
YOL108C	INO4	bHLH	Full length only
YOL116W	MSN1	(none)	DBD only
YOR028C	CIN5	bZIP	Full length and DBD
YOR032C	HMS1	HLH	DBD only
YOR064C	YNG1	PHD	Full length and DBD
YOR077W	RTS2	Zf_C2H2	DBD only
YOR113W	AZF1	Zf_C2H2	Full length and DBD
YOR140W	SFL1	HSF_DNA-bind	DBD only
YOR162C	YRR1	Zn2/Cys6	Full length and DBD
YOR172W	YRM1	Zn2/Cys6	DBD only
YOR210W	RPB10	Homeodomain-related	Full length only
YOR229W	WTM2	(none)	Full length only
YOR230W	WTM1	(none)	Full length and DBD
YOR290C	SNF2	SNF2_N, Bromodomain	DBD only
YOR298C-A	MBF1	Helix-turn-helix type 3	Full length and DBD
YOR304W	ISW2	SNF2_N	DBD only
YOR337W	TEA1	Zn2/Cys6	DBD only
YOR344C	TYE7	HLH	Full length and DBD
YOR358W	HAP5	CBFD_NFYB_HMF	Full length and DBD
YOR372C	NDD1	(none)	Full length only
YOR380W	RDR1	Zn2/Cys6	DBD only
YPL016W	SWI1	ARID	DBD only
YPL049C	DIG1	(none)	DBD only
YPL075W	GCR1	(none)	Full length only
YPL082C	MOT1	SNF2_N	DBD only
YPL089C	RLM1	MADS	Full length and DBD
YPL128C	TBF1	Myb_DNA-binding	DBD only
YPL129W	TAF14	(none)	Full length and DBD
YPL133C	RDS2	Zn2/Cys6	Full length and DBD
YPL138C	SPP1	PHD	Full length and DBD
YPL139C	UME1	(none)	Full length only
YPL177C	CUP9	Homeobox	Full length only

YPL181W	CTI6	PHD	DBD only
YPL202C	AFT2	(none)	Full length and DBD
YPL230W	USV1	Zf_C2H2	DBD only
YPL248C	GAL4	Zn2/Cys6	Full length and DBD
YPL254W	HFI1	(none)	DBD only
YPR008W	HAA1	Copper-fist	DBD only
YPR009W	SUT2	Zn2/Cys6	DBD only
YPR013C	YPR013C	Zf_C2H2	Full length and DBD
YPR015C	YPR015C	Zf_C2H2	Full length and DBD
YPR022C	YPR022C	Zf_C2H2	DBD only
YPR031W	NTO1	PHD	DBD only
YPR052C	NHP6A	HMG_box	Full length and DBD
YPR065W	ROX1	HMG_box	DBD only
YPR104C	FHL1	Fork_head	DBD only
YPR196W	YPR196W	Zn2/Cys6	Full length and DBD
YPR199C	ARR1	(none)	Full length only