

Supplementary Table 1 Zinc finger domains used to generate ZFP-TF libraries.

Zinc finger domain	Source	Target site(s)	Zinc finger domain	Source	Target site(s)
CSNR1 ^a	Human	GAC	VSNV ^a	Human	AAT
DSAR2 ^a	Human	GTC	VSSR ^a	Human	GTW
DSCR ^a	Human	GCC	VSTR ^a	Human	GCW
HSNK ^a	Human	GAC	WSNR ^a	Human	GGT
HSSR ^a	Human	GTT	QNTQ ^b	Drosophila	ATA
ISNR ^a	Human	GAW	VDYK ^c	Drosophila	TAT
KSNR ^a	Human	GAG	DGAR ^d	Phage display	GTC
QAGR ^a	Human	GGA	DGHR ^d	Phage display	GGC
QFNR ^a	Human	GAG	DGNR ^d	Phage display	GAC
QGNR ^a	Human	GAA	DGNV ^e	Phage display	AAC
QSHR5 ^a	Human	GGA	DRDR ^d	Phage display	GCC
QSHT ^a	Human	HGA	DSAR ^f	Phage display	GTC
QSHV ^a	Human	MGA	DSHR ^f	Phage display	GGC
QSNi ^a	Human	MAA	DSKR ^f	Phage display	GGT
QSNK ^a	Human	GAA	DSNR ^g	Phage display	GAC
QSNR1 ^a	Human	GAA	DSSR ^d	Phage display	GCC
QSNV2 ^a	Human	MAA	MHHE ^h	Phage display	TGT
QSSR1 ^a	Human	GYA	QASA ^h	Phage display	ATA
QSTR ^a	Human	GYA	QGDR ^d	Phage display	GCA
QTHQ ^a	Human	HGA	QGTR ^h	Phage display	ACA
QTHR1 ^a	Human	RGA	QSDR ⁱ	Phage display	GCT
RDER1 ^a	Human	GCG	RDNQ ^j	Phage display	AAG
RDHR1 ^a	Human	GGG	RDTN ^e	Phage display	AAG
RDHT ^a	Human	NGG	SADR ^d	Phage display	AGA
RDKR ^a	Human	GGG	TDKR ^d	Phage display	GGG
RSHR ^a	Human	GGG	TGNR ^d	Phage display	GAT
RSNR ^a	Human	GAG	TIDR ^e	Phage display	ACT
SSNR ^a	Human	GAG			

W: A or T; M: A or C; H: A, C or T; R: A or G; Y: C or T; N: A, C, G or T

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