

**Supplemental Table S3.** ENCODE data files used in the study. All files are available through [encodeproject.org](http://encodeproject.org).

Cell line	ChIP-seq target	DCC accession	Laboratory
HCT116	CEBPB	ENCFF000OYS	Richard Myers, HAIB
HCT116	CEBPB	ENCFF000OYU	Richard Myers, HAIB
MCF7	CEBPB	ENCFF000QLL	Richard Myers, HAIB
MCF7	CEBPB	ENCFF000QLO	Richard Myers, HAIB
HCT116	JUND	ENCFF000PAH	Richard Myers, HAIB
HCT116	JUND	ENCFF000PAI	Richard Myers, HAIB
MCF7	JUND	ENCFF000QOB	Richard Myers, HAIB
MCF7	JUND	ENCFF000QOD	Richard Myers, HAIB
HCT116	MAX	ENCFF000PAP	Richard Myers, HAIB
HCT116	MAX	ENCFF000PAQ	Richard Myers, HAIB
MCF7	MAX	ENCFF000QON	Richard Myers, HAIB
MCF7	MAX	ENCFF000QOS	Richard Myers, HAIB
HCT116	SIN3A	ENCFF000PCD	Richard Myers, HAIB
HCT116	SIN3A	ENCFF000PCE	Richard Myers, HAIB
MCF7	SIN3A	ENCFF175HFF	Michael Snyder, Stanford
MCF7	SIN3A	ENCFF733YZZ	Michael Snyder, Stanford
HCT116	TEAD4	ENCFF000PDC	Richard Myers, HAIB
HCT116	TEAD4	ENCFF000QSB	Richard Myers, HAIB
MCF7	TEAD4	ENCFF000PDE	Richard Myers, HAIB
MCF7	TEAD4	ENCFF000QSI	Richard Myers, HAIB
HCT116	SRF	ENCFF000OZI	Richard Myers, HAIB
HCT116	SRF	ENCFF000PCV	Richard Myers, HAIB
MCF7	SRF	ENCFF000QRE	Richard Myers, HAIB
MCF7	SRF	ENCFF000QRH	Richard Myers, HAIB
HCT116	EGR1	ENCFF000OZI	Richard Myers, HAIB
HCT116	EGR1	ENCFF000OZL	Richard Myers, HAIB
MCF7	EGR1	ENCFF000QMC	Richard Myers, HAIB
MCF7	EGR1	ENCFF000QMF	Richard Myers, HAIB
HCT116	ELF1	ENCFF000OZS	Richard Myers, HAIB
HCT116	ELF1	ENCFF000OZU	Richard Myers, HAIB
MCF7	ELF1	ENCFF000QMJ	Richard Myers, HAIB
MCF7	ELF1	ENCFF000QMK	Richard Myers, HAIB
HCT116	H3K4me3	ENCFF001FIS	John Stamatoyannopoulos, UW
HCT116	H3K4me3	ENCFF001FIZ	John Stamatoyannopoulos, UW
MCF7	H3K4me3	ENCFF001FYK	John Stamatoyannopoulos, UW
MCF7	H3K4me3	ENCFF001FYE	John Stamatoyannopoulos, UW
HCT116	H3K36me3	ENCFF002AAO	Peggy Farnham, USC
HCT116	H3K36me3	ENCFF002AAN	Peggy Farnham, USC
MCF7	H3K36me3	ENCFF000VGE	Peggy Farnham, USC
MCF7	H3K36me3	ENCFF000VGG	Peggy Farnham, USC
HCT116	DNaseI-seq	ENCFF001DCL	John Stamatoyannopoulos, UW
HCT116	DNaseI-seq	ENCFF001DCK	John Stamatoyannopoulos, UW
MCF7	DNaseI-seq	ENCFF001DYT	John Stamatoyannopoulos, UW
MCF7	DNaseI-seq	ENCFF001DZK	John Stamatoyannopoulos, UW