

TABLE 1. Overview of chromatin components analyzed in this study.

Mapping method	Cell line	Data source (reference)	Other	Histone modifying enzyme	Chromatin remodeling	Cofactor	HMG protein	Histone modification	Histone	Nuclear Envelope	Polycomb Group	Classical heterochromatin	DBF	FlyBase protein accession	Mapped chromatin component
DamID	Kc167	(Moorman et al. 2006)											x	FBpp0081165	BCD
DamID	Kc167	this study	x										x	FBpp0086572	BEAF-32
DamID	Kc167	(de Wit et al. 2008)			x									FBpp0075279	BRM
DamID	Kc167	(Bianchi-Frias et al. 2004)				x								not specified	CTBP
DamID	Kc167	(de Wit et al. 2008)					x							FBpp0081468	D1
DamID	Kc167	(Orian et al. 2003)											x	FBpp0070501	MYC
DamID	Kc167	this study	x											FBpp0110211	DNMT2
DamID	Kc167	(de Wit et al. 2008) *					x				x			FBpp0088319	DSP1
DamID	Kc167	(Tolhuis et al. 2006)									x			FBpp0079907	ESC
ChIP	Kc167	(de Wit et al. 2008)											x	FBpp0089419	GAF (Trl)
DamID	Kc167	(de Wit et al. 2008)				x								FBpp0084337	GRO
DamID	Kc167	(Bianchi-Frias et al. 2004)											x	FBpp0076296	H
ChIP	Kc167	(Schübeler et al. 2004)						x						-	H3ac
ChIP	Kc167	(Schübeler et al. 2004)						x						-	H3K4me2
ChIP	Kc167	(Tolhuis et al. 2006)						x						-	H3K4me3
ChIP	Kc167	(Tolhuis et al. 2006)						x			x			-	H3K27me3
ChIP	Kc167	(Schübeler et al. 2004)						x						-	H3K79me2
ChIP	Kc167	(Schübeler et al. 2004)						x						-	H4ac
DamID	Kc167	(de Wit et al. 2008)							x					FBpp0085248	H1
ChIP	S2	(Mito et al. 2005)			x				x					FBpp0078649	H3.3
DamID	Kc167	(Greil et al. 2007)										x		FBpp0079251	HP1
DamID	Kc167	(Greil et al. 2003)	x											FBpp0083702	HP1c
DamID	Kc167	(Greil et al. 2007)										x		FBpp0086073	HP3 (Lhr)
DamID	Kc167	(Greil et al. 2007)										x		FBpp0076480	HP4
DamID	Kc167	(Greil et al. 2007)										x		FBpp0073349	HP5
DamID	Kc167	(Greil et al. 2007)										x		FBpp0077134	HP6
DamID	Kc167	(Moorman et al. 2006)											x	FBpp0087499	JRA
DamID	Kc167	(Pickersgill et al. 2006)								x				FBpp0078733	LAM
BrdU	Kc167	(Schübeler et al. 2002)	x											-	LateRep
DamID	Kc167	(Moorman et al. 2006)											x	FBpp0074785	MAX
DamID	Kc167	(de Wit et al. 2008)			x									FBpp0081547	MBD-like
DamID	Kc167	(Orian et al. 2003)											x	FBpp0070554	MNT
DamID	Kc167	this study	x											FBpp0112608	PARP
DamID	Kc167	(Tolhuis et al. 2006)									x			FBpp0078059	PC
DamID	Kc167	this study						x						FBpp0073173	RPD3
DamID	Kc167	(Tolhuis et al. 2006)									x			FBpp0084614	SCE
DamID	Kc167	(de Wit et al. 2008)				x								FBpp0087003	SIN3A
DamID	Kc167	(Bianchi-Frias et al. 2004)		x		x								FBpp0080015	SIR2
DamID	Kc167	this study	x										x	FBpp0082404	SU(HW)
DamID	Kc167	(Pindyurin et al. 2007)										x		FBpp0075933	SU(UR)
DamID	Kc167	(de Wit et al. 2008)										x	x	FBpp0082204	SU(VAR)3-7
DamID	Kc167	(Greil et al. 2007)		x								x		FBpp0082583	SU(VAR)3-9
DamID	Kc167	this study	x											FB0073822	TOP1

* additional replicates done in this study