

TABLE S1**Summary of ChIP analyses for reporter transgenes inserted at 87C1**

OBTether	<i>rp49</i> (negative control)			<i>cdc2</i> (positive control)			<i>hsp26-tag</i>			<i>hsp70-white</i>		
	1B87C1	4BGFP	5BHP1	H3K9me	6BGFP	7BHP1	mK9H3	8BGFP	9BHP1	mK9H3	10BGFP	11BHP1
none	0.08U±U0.05	0.03U±U0.02 (0.48)	0.06U±U0.04 (0.73)	0.14U±U0.06	1.03U±U0.33 (0.10)	2.00U±U0.91 (0.18)	0.09U±U0.06	0.18U±U0.05 (0.29)	0.17U±U0.07 (0.41)	0.08U±U0.06	0.12U±U0.05 (0.06)	0.16U±U0.07 (0.43)
HP1	0.07U±U0.02	0.09U±U0.04 (0.59)	0.06U±U0.02 (0.91)	0.14U±U0.08	1.28U±U0.39 (0.10)	3.44U±U1.16 (0.10)	0.22U±U0.04	2.08U±U0.91 (0.18)	3.37U±U0.04 (0.09)	0.34U±U0.19	2.18U±U0.79 (0.15)	1.74U±U0.06 (0.02)
I191E	0.08U±U0.02	0.02U±U0.01 (0.86)	0.13U±U0.12 (0.46)	0.15U±U0.06	1.20U±U0.12 (0.01)	2.16U±U0.18 (0.01)	0.27U±U0.21	2.69U±U1.00 (0.26)	5.70U±U3.17 (0.32)	0.05U±U0.01	0.13U±U0.07 (0.39)	0.16U±U0.13 (0.50)
W200A	0.19U±U0.01	0.04U±U0.02 (0.21)	0.01U±U0.01 (0.59)	0.30U±U0.16	1.17U±U0.08 (0.01)	1.36U±U0.19 (0.01)	0.19U±U0.09	3.38U±U1.14 (0.10)	4.00U±U1.5 (0.10)	0.03U±U0.01	0.07U±U0.04 (0.53)	0.13U±U0.01 (0.24)

Antibodies to GFP, HP1 and di-methylH3K9 (H3K9me) were used for ChIP.

p values are listed in parentheses below the relative percent enrichment.