

Table S2. Kolmogorov–Smirnov test was applied to the PBM intensities of probes.

	ChIP+ MRE+	ChIP+ MRE-	ChIP- MRE+	ChIP- MRE-	PBM+ ChIP+ MRE+	PBM+ ChIP+ MRE-	PBM+ ChIP+ MRE+	PBM+ ChIP+ MRE-
ChIP+ MRE+								
ChIP+ MRE-	< 2.2e-16							
ChIP- MRE+	2.51e-13	< 2.2e-16						
ChIP- MRE-	< 2.2e-16	< 2.2e-16	< 2.2e-16					
PBM+ ChIP+ MRE+	< 2.2e-16	< 2.2e-16	< 2.2e-16	< 2.2e-16				
PBM+ ChIP+ MRE-	1.29e-06	< 2.2e-16	8.31e-10	< 2.2e-16	1.92e-13			
PBM- ChIP- MRE+	< 2.2e-16	2.87e-12	1.73e-10	< 2.2e-16	< 2.2e-16	< 2.2e-16		
PBM- ChIP- MRE-	< 2.2e-16	< 2.2e-16	< 2.2e-16	1	< 2.2e-16	< 2.2e-16	< 2.2e-16	

Categories tested include ‘ChIP+MRE+’, ‘ChIP+MRE-’, ‘ChIP-MRE+’, ‘ChIP-MRE-’, ‘PBM+ChIP+MRE+’, ‘PBM+ChIP+MRE-’, ‘PBM-ChIP-MRE+’, and ‘PBM-ChIP-MRE-’, where ‘ChIP+’ indicates CLAMP binding *in vivo*, ‘MRE+’ indicates the sequence is with MSL recognition element and ‘PBM+’ indicates CLAMP binding *in vitro*. Values show the p-values.