

Supplemental Fig. S1. Specificity of anti-H1 antiserum analized by competition assay: Purified H1 (200ng and 100ng) was resolved in SDS-PAGE and transferd onto nitrocellulose prior to being immunorevealed with antisera to Physarum H1. The sera was either pre-incubated with 0.1mM of H1 75-89 peptide or not.

HayesThiriet_Supp data

Supplemental Fig. S2: Linker histone alignment. Top sequence corresponds to Physarum H1. Shown in red is the globular domain with the three helixes. The bottom panel depicts the alignment of globular domain of linker histones from various species.

ng/µMP	0	10	20	40	80
Mitosis	0.95	0.98	1	0.99	1.07
2h of S- phase	0.85	0.90	1	0.37	0.17

Table S1: Dose response to H1 siRNA. Macroplasmodia (MPI) were treated with various amount of H1 siRNA and amount of H1 was determined by Western blotting from nuclei prepared at mitosis or 2h after mitosis relative to our internal controls X and Y. Note that all our experiments of effects of H1 were carried out with 80 of H1 siRNA/ macroplasmodium

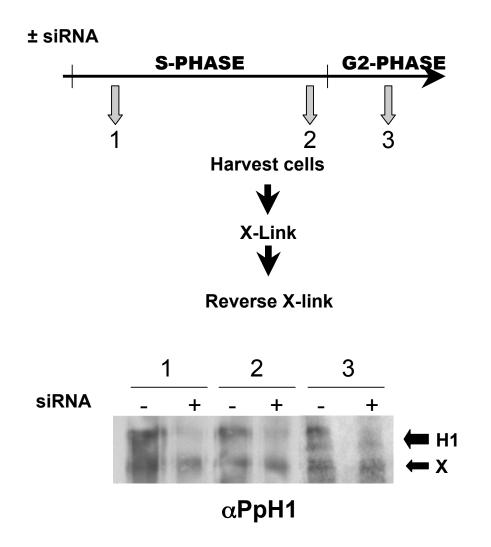


Fig. S3. Western blot showing PpH1 from cells treated or untreated with H1 siRNA harvested at the three different time points indicated