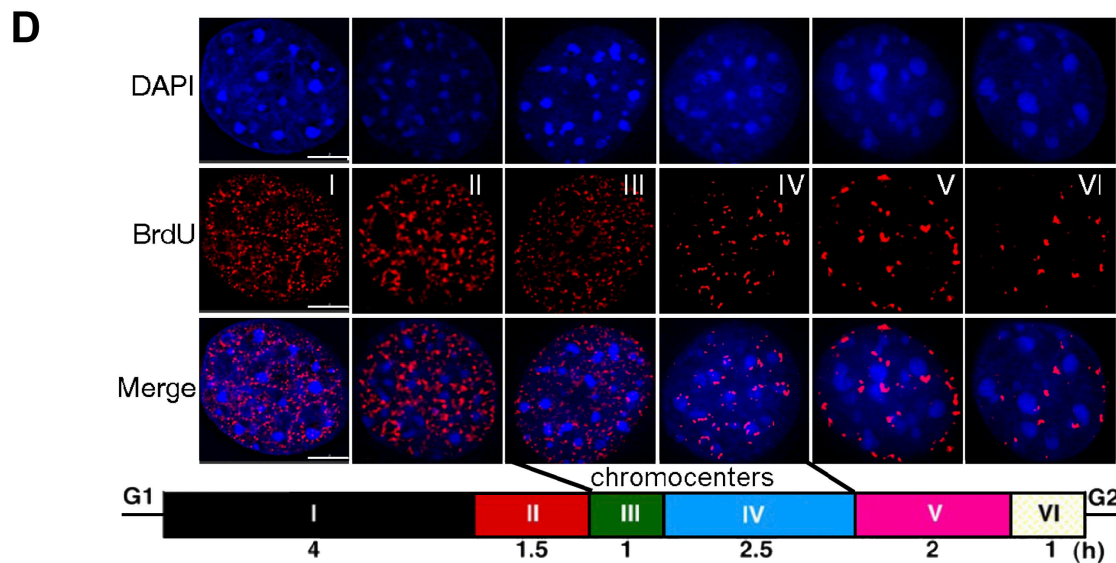


Proliferation-dependent and cell cycle-regulated transcription of mouse pericentric heterochromatin

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Vol. 179 No. 3, November 5, 2007. Pages 411–421.

After publication of this manuscript, an error was found in Fig 2 D. The DAPI photos for patterns III and IV are switched in the published version. A corrected Fig. 2 D is provided here. The authors thank J. Huberman for notifying us of this error. We apologize for this oversight.



(D) Six spatial patterns of DNA synthesis can be distinguished in mouse fibroblasts representing different stages of S phase, as previously described in detail (Wu et al., 2005). DNA is stained with DAPI, and sites of DNA synthesis are visualized by indirect immunofluorescence with an antibody specific to BrdU-substituted DNA. Images have been deconvolved and a merge of the BrdU and DAPI staining patterns is shown to illustrate the two stages during which cells are engaged in the replication of chromocenters, used to score γ satellite replication in C and Fig. 3. A schematic of the length of time that C127 cells spend in each stage of S phase is given at the bottom (adapted from Wu et al., 2006a). Experiments were repeated for three independent synchronizations. At least 150 cells were counted for each time point. Bars, 5 μ m.