

**Fig. S7.** Abnormal patterns represent the start of mid S-phase replication before early replication is completed. (A) Schematic describing how changes in replication patterns were assessed. Replication sites were EdU-labeled at time zero, then cells were fixed and labeled with anti-PCNA at 0, 2, 4, or 8 hours. Percentages of cells expressing the wild-type TICRR (B) or TICRR-8A (C) transgenes that had the early EdU pattern at time zero and the indicated PCNA patterns at times 0, 2, 4, or 8 hours (bars represent means of pattern percentages for two independent experiments in which at least 100 EdU-positive cells were scored).