



## Index of Online Supplemental Material for J. Cell Biol. 10.1083/jcb.200510087 Liu et al.

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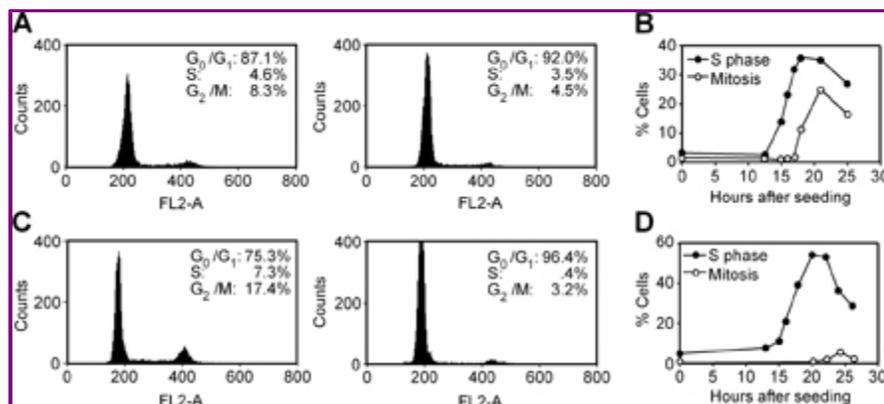
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Figure S1. **Synchronization and proliferation profiles of NRK-52E and MCF-10A cells.** (A) Flow cytometry graphs of confluent NRK-52E cells in normal media (left) and after 24 h in starvation media (right). (B) Graph of percentage of cells in S phase and mitosis after seeding of synchronized cells at  $2 \times 10^4$  cells/cm<sup>2</sup>. (C) Flow cytometry graphs of confluent MCF-10A cells in normal media (left) and after 24 h in starvation media (right). (D) Graph of percentage of MCF-10A cells in S phase and mitosis after seeding of synchronized cells at  $2 \times 10^4$  cells/cm<sup>2</sup>. Graphs are of one representative experiment of at least 100 cells counted for each time interval.

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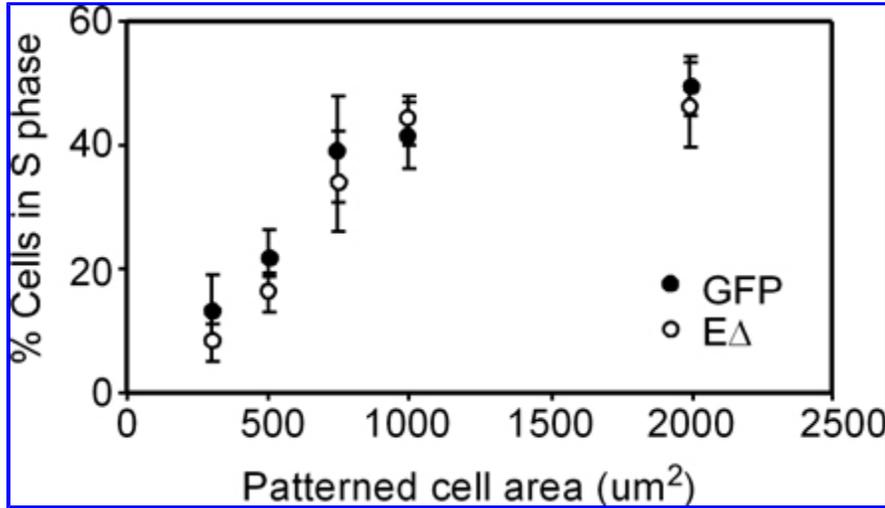
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Figure S2. **E-cadherin is not required for the inhibition of proliferation by cell spreading in single, patterned cells.** Graph of percentage of NRK-52E cells entering S phase after seeding of synchronized cells, which were treated with either Ad-GFP or Ad-EΔ, onto different sized microwells. Error bars indicate the SEM of at least three experiments.

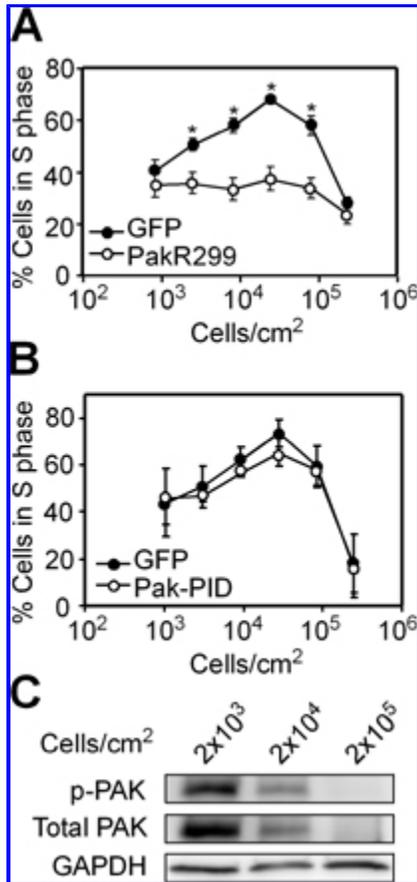
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**Figure S3. The Rac1 effector Pak is not involved in cell-cell contact mediated proliferation.** Graph of percentage of synchronized MCF-10A cells infected with Ad-PakR299 (A) or Ad-Pak-PID (B), compared with Ad-GFP control entering S phase seeded at different densities. (C) Western blot of phosphorylated and total Pak levels (65 kD) and GAPDH (38 kD) of synchronized MCF10A cells seeded at the indicated densities. Error bars indicate the SEM of at least three experiments in A, and a range of two independent experiments in B. \*,  $P < 0.05$ , between Ad-GFP-treated cells and Ad-PakR299-treated cells in the same seeding condition.  $P$  was calculated by  $t$ -test.

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