**Figure 4 – Source Data 1.** Quantification of MEFs

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| **A. Completion of cytokinesis** | ***Pafah1b1+/+***  (N=4)  85.4 ± 6.1% | ***Pafah1b1hc/ko***  (N=6)  18.7 ± 8.0% | **Student’s *t*-test**  ***p*-value** (**\*\*\****p*=0.0004) |
| **B. Binucleation** | ***Pafah1b1+/+***  (N=4)  5.1 ± 3.1% | ***Pafah1b1hc/ko***  (N=6)  40.1 ± 1.2% | (**\*\*\****p*<0.00001) |
| **D. Completion of cytokinesis** | ***CAGG-CreERT2; Pafah1b1+/+***  (N=3)  69.4± 4.3% | ***CAGG-CreERT2; Pafah1b1hc/hc***  (N=4)  36.6± 5.3% | (**\*\****p*=0.0061) |
| **E. Binucleation** | ***CAGG-CreERT2; Pafah1b1+/+***  (N=3)  15.7± 6.1% | ***CAGG-CreERT2; Pafah1b1hc/hc***  (N=3)  25.8± 6.4% | (ns, *p*=0.2940) |

N: total number of independent experimental sets performed for the time lapse live-cell imaging experiments of MEFs, total mitotic events/cell numbers were monitored;

*Pafah1b1+/+* (n=96), *Pafah1b1hc/ko* (n=36), *CAGG-CreERT2; Pafah1b1+/+* (n=20), *CAGG-CreERT2; Pafah1b1hc/hc* (n=27)