**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)