**Table S3**. Comparison between measuring cytoplasmic acidity in aging every 10 hours (Figure 1*C,D,F,* Figure 1-Figure supplement 1) or every hour (Figure 1*E*, Figure1-Figure supplement 2).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Datasettime resolution | Average lifespan at 20 h(divisions) | Average lifespan at 30 h(divisions) | Numberof cells | Frequencyof imaging | Duration of the experiment |
| Low | 16SD: 3.08 | 20SD: 4.89 | 80 | Every 10 h | 80 h |
| High | 13SD: 2.93 | 17SD: 4.75 | 50 | Every 1 h | 50 h |