**S1 Table. Fraction of NEUROG3 over Pdx1tTA/+;tetO-H2B-GFP cells from immunostaining images after time-lapse imaging.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | TL1 | TL2 | TL3 | TL4 | Mean | SD | Control\* | E14.5 WT\*\* |
| Ngn3 # | 228 | 333 | 298 | 243 |  |  | 154 |  |
| H2B-GFP # | 7069 | 7090 | 5608 | 6644 |  |  | 6145 |  |
| Ngn3/GFP | 0.032 | 0.047 | 0.053 | 0.037 | 0.042 | 0.0095 | 0.025 | 0.089±0.009 |

\*Explant control without imaging.

\*\*Ngn3/PDX1 measurements (Mean ± standard deviation) from E14.5 pancreata (n=4).