**Supplementary File 1. N values and details of statistical analyses performed.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Figure | Panel | n | Mean ± SD  | p | Statistical test and notes |
| 1 | G, H | 0 somites: 3 embryos(565, 474, 488 cells)4-6 somites: 6 embryos (857, 761, 825, 718, 667, 889 cells)7-9 somites: 5 embryos (1000, 1270, 1198, 1047, 1377 cells) | 36.59 ± 2.20 μm2 24.86 ± 2.82 μm216.62 ± 2.16 μm2 | 0 vs. 4-6:p = 0.00270 vs. 7-9:p = 0.00064-6 vs. 7-9:p = 0.0011 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
| 2 | B, C  | 0-2 somites: 3 embryos (205, 158, 174 cells)5 somites: 3 embryos (205, 231, 197 cells)7-9 somites: 3 embryos (192, 164, 166 cells) | 48.25 ± 4.99 μm2 41.22 ± 2.22 μm249.42 ± 3.32 μm2 | 0-2 vs. 5:p = 0.24700-2 vs. 7-9:p = 0.97815 vs. 7-9:p = 0.0878 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
| 2 S1 | B | 0 somites: 3 embryos(393, 341, 331 cells)4-6 somites: 6 embryos (447, 595, 632, 517, 566, 484 cells)7-9 somites: 5 embryos (552, 711, 979, 799, 915 cells) | ML: 49.81 ± 2.97% AP: 50.19 ± 2.97%ML: 69.15 ± 9.18% AP: 30.85 ± 9.18%ML: 78.17 ± 8.52%AP: 21.83 ± 8.52% | 0 vs. 4-6:p = 0.00850 vs. 7-9:p = 0.00034-6 vs. 7-9:p = 0.2228 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | C | 0 somites: 3 embryos(393, 341, 331 cells)4-6 somites: 6 embryos (447, 595, 632, 517, 566, 484 cells)7-9 somites: 5 embryos (552, 711, 979, 799, 915 cells) | 1.10 ± 0.03 1.34 ± 0.15 1.49 ± 0.19  | 0 vs. 4-6:p = 0.02330 vs. 7-9:p = 0.03224-6 vs. 7-9:p = 0.4490 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
|  | E | 0 somites: 3 embryos(134, 109, 96 cells)4-6 somites: 3 embryos (132, 148, 131 cells)7-9 somites: 3 embryos(121, 107, 102 cells) | ML: 66.12 ± 10.41% AP: 33.86 ± 10.41%ML: 62.89 ± 16.14% AP: 37.10 ± 16.14%ML: 67.62 ± 15.89 %AP: 32.37 ± 15.89% | 0 vs. 4-6:p > 0.99990 vs. 7-9:p > 0.99994-6 vs. 7-9:p > 0.9999 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | F | 0 somites: 3 embryos(134, 109, 96 cells)4-6 somites: 6 embryos (132, 148, 131 cells)7-9 somites: 5 embryos (121, 107, 102 cells) | 1.24 ± 0.16 1.28 ± 0.25 1.42 ± 0.31  | 0 vs. 5:p = 0.99390 vs. 7-9:p = 0.75905 vs. 7-9:p = 0.8903 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
| 3 | B | 0-1 somite: 3 embryos6-7 somites: 4 embryos 8-9 somites: 4 embryos | 1.34 ± 0.02 1.16 ± 0.02 0.95 ± 0.07  | 0-1 vs. 6-7:p = 0.00230-1 vs. 8-9:p < 0.00016-7 vs. 8-9:p = 0.0004 | One-way ANOVA (Tukey’s multiple comparisons) |
|  |  |  |  |  |  |
|  | C | 0-1 somite: 3 embryos6-7 somites: 4 embryos 8-9 somites: 4 embryos | 32.94 ± 3.59 μm 30.84 ± 2.18 μm51.74 ± 3.21 μm | 0-1 vs. 6-7:p = 0.64380-1 vs. 8-9:p < 0.00016-7 vs. 8-9:p < 0.0001 | One-way ANOVA (Tukey’s multiple comparisons) |
|  |  |  |  |  |  |
|  | D | 0-1 somite: 3 embryos6-7 somites: 4 embryos 8-9 somites: 4 embryos | 18.38 ± 3.34 μm 18.68 ± 2.22 μm30.40 ± 1.90 μm | 0-1 vs. 6-7:p = 0.98580-1 vs. 8-9:p = 0.00056-7 vs. 8-9:p = 0.0004 | One-way ANOVA (Tukey’s multiple comparisons) |
|  |  |  |  |  |  |
|  | E | 0-1 somite: 3 embryos6-7 somites: 4 embryos 8-9 somites: 4 embryos | 1.81 ± 0.13 1.67 ± 0.25 1.71 ± 0.20  | 0-1 vs. 6-7:p = 0.67980-1 vs. 8-9:p = 0.82346-7 vs. 8-9:p = 0.9587 | One-way ANOVA (Tukey’s multiple comparisons) |
|  |  |  |  |  |  |
|  | G | 408 cells, 3 embryos (111, 169, 128 cells) | N/A | N/A | N/A |
|  |  |  |  |  |  |
|  | I | 60 cells, 3 embryos (20, 20, 20 cells) | N/A | N/A | N/A |
|  |  |  |  |  |  |
| 3 S1 | A | 0-1 somite: 3 embryos6-7 somites: 4 embryos 8-9 somites: 4 embryos | 652.5 ± 95.9 μm 494.9 ± 33.4 μm 406.5 ± 32.5 μm | 0-1 vs. 6-7:p = 0.01490-1 vs. 8-9:p = 0.00116-7 vs. 8-9:p = 0.1236 | One-way ANOVA (Tukey’s multiple comparisons) |
|  |  |  |  |  |  |
|  | B | 0-1 somite: 3 embryos6-7 somites: 4 embryos 8-9 somites: 4 embryos | 486.5 ± 71.1 μm 425.6 ± 29.1 μm 427.5 ± 7.5 μm | 0-1 vs. 6-7:p = 0.09760-1 vs. 8-9:p = 0.13206-7 vs. 8-9:p = 0.9998 | One-way ANOVA (Tukey’s multiple comparisons) |
|  |  |  |  |  |  |
| 3 S2 | B | 3 embryos (50, 50, 50 cells) | E1: 0.17 ± 1.13 E2: 0.60 ± 1.61 E3: 0.03 ± 0.99  | N/A | N/A |
|  |  |  |  |  |  |
| 4 | J | WT: 4 embryos (1415, 1367, 1186, 1240 cells) *Ift122*: 4 embryos(932, 906, 935, 757 cells) | 13.63 ± 0.82 μm221.06 ± 2.00 μm2 | p=0.0024 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | K | WT: 5208 cells, 4 embryos  *Ift122*: 3530 cells, 4 embryos | N/A (D = 0.2763) | p<0.0001 | Kolmogorov-Smirnov |
|  |  |  |  |  |  |
|  | L | WT: 4 embryos (1171, 1162, 1116, 1148 cells)*Ttc21b*: 3 embryos(580, 687, 613 cells) | 15.60 ± 0.78 μm230.05 ± 2.39 μm2 | p=0.0058 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | M | WT: 4597 cells, 4 embryos *Ttc21b*: 1880 cells, 3 embryos | N/A (D = 0.4536) | p<0.0001 | Kolmogorov-Smirnov |
|  |  |  |  |  |  |
| 4 S4 | A | WT: 4 embryos (835, 1138, 1052, 990 cells) *Ift122*: 4 embryos(715, 867, 626, 563 cells) | WT ML: 72.32 ± 2.74% WT AP: 27.68 ± 2.74%*Ift122* ML: 65.14 ± 1.89% *Ift122* AP: 34.86 ± 1.89% | WT vs. *Ift122* ML: p = 0.0020WT vs. *Ift122* AP: p = 0.0020 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | B | WT: 4 embryos (835, 1138, 1052, 990 cells) *Ift122*: 4 embryos (715, 867, 626, 563 cells) | 1.33 ± 0.03 1.22 ± 0.04 | p = 0.0058 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | C | WT: 3 embryos (146, 170, 195 cells) *Ift122*: 3 embryos (372, 599, 414 cells) | WT ML: 59.80 ± 15.49% WT AP: 40.20 ± 15.49%*Ift122* ML: 65.18 ± 11.60%*Ift122* AP: 34.82 ± 11.60% | WT vs. *Ift122* ML: p = 0.8725WT vs. *Ift122* AP: p = 0.8725 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | D | WT: 3 embryos (146, 170, 195 cells) *Ift122*: 3 embryos(372, 599, 414 cells) | 1.20 ± 0.16 1.26 ± 0.12 | p = 0.6810 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | E | WT: 4 embryos (913, 898, 870, 912 cells) *Ttc21b*: 3 embryos(415, 489, 411 cells) | WT ML: 72.36 ± 3.00% WT AP: 27.64 ± 3.00%*Ttc21b* ML: 59.99 ± 6.91% *Ttc21b* AP: 40.01 ± 6.91% | WT vs. *Ttc21b* ML: p = 0.0167WT vs. *Ttc21b* AP: p = 0.0167 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | F | WT: 4 embryos (913, 898, 870, 912 cells) *Ttc21b*: 3 embryos(415, 489, 411 cells) | 1.34 ± 0.09 1.22 ± 0.07 | p = 0.0863 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
| 4 S5 | E | WT:3 embryos*Ift122*:3 embryos | WT 0-100: 2.34 ± 0.76 % WT 100-200:3.48 ± 0.50 % WT 200-300: 4.12 ± 0.59 % WT 300-400:3.60 ± 0.72 % *Ift122* 0-100: 2.37 ± 0.83 % *Ift122* 100-200:3.67 ± 0.59 % *Ift122* 200-300: 4.05 ± 0.15 % *Ift122* 300-400:3.62 ± 0.75 % | WT vs. *Ift122*0-100:p > 0.9999100-200:p = 0.9950200-300:p > 0.9999300-400:p > 0.9999 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | F | WT:3 embryos*Ttc21b*:3 embryos | WT 0-100: 3.25 ± 0.36 % WT 100-200:4.31 ± 0.48 % WT 200-300: 4.22 ± 0.31 % WT 300-400:4.40 ± 0.38 % *Ttc21b* 0-100: 2.78 ± 0.29 % *Ttc21b* 100-200:4.52 ± 0.16 % *Ttc21b* 200-300: 4.25 ± 0.26 % *Ttc21b* 300-400:4.18 ± 0.90 % | WT vs. *Ttc21b*0-100:p = 0.6082100-200:p = 0.9633200-300:p > 0.9999300-400:p > 0.9618 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
| 4 S6 | B | WT: 3 embryos *Ttc21b*: 3 embryos | 77.00 ± 5.57 cells75.33 ± 5.13 cells | p = 0.7225 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
| 5 | C, D | WT lateral: 4 embryos (data from Figure 4K)WT midline: 3 embryos (276, 316, 285 cells)*Ift122* lateral: 4 embryos (data from Figure 4K)*Ift122* midline: 3 embryos (516, 441, 539 cells) | N/A | N/A | N/A |
|  |  |  |  |  |  |
|  | E | WT lateral: 4 embryos (data from Figure 4J)WT midline: 3 embryos (276, 316, 285 cells)*Ift122* lateral: 4 embryos (data from Figure 4J)*Ift122* midline: 3 embryos (516, 441, 539 cells)  | WT:  lateral: 13.63 ± 0.82 μm2 midline: 32.45 ± 2.18 μm2*Ift122*:  lateral: 21.06 ± 2.00 μm2 midline: 19.23 ± 2.37 μ­m2 | WT lat vs. WT mid: p = 0.0149*Ift122* lat vs. *Ift122* mid: p = 0.8383WT lat vs. *Ift122* lat: p = 0.0100WT lat vs. *Ift122* mid: p = 0.1723WT mid vs. *Ift122* lat: p = 0.0091WT mid vs. *Ift122* mid:p = 0.0090 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
|  | G | WT: 3 embryos*Ift122*: 3 embryos | N/A | N/A | N/A |
|  |  |  |  |  |  |
|  | H | WT: 3 embryos*Ttc21b*: 3 embryos | N/A | N/A | N/A |
|  |  |  |  |  |  |
|  | I | WT (lateral and midline): 3 embryos*Ift122* (lateral and midline): 3 embryos | WT:  lateral: 59.80 ± 1.90 μm midline: 26.63 ± 2.97 μm*Ift122*:  lateral: 51.13 ± 1.10 μm midline: 45.81 ± 3.96 μ­m | WT lat vs. WT mid:p = 0.0019*Ift122* lat vs. *Ift122* mid: p = 0.4142WT lat vs. *Ift122* lat: p = 0.0239WT lat vs. *Ift122* mid: p = 0.0433WT mid vs. *Ift122* lat: p = 0.0034WT mid vs. *Ift122* mid: p = 0.0111 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
| 5 S1 | B | WT: 3 embryos*Ttc21b*: 3 embryos  | WT lateral: 44.77 ± 2.66 μmWT midline: 21.40 ± 3.06 μm*Ttc21b* lateral: 48.44 ± 3.32 μm*Ttc21b* midline: 44.91 ± 6.12 μm | WT lat vs. WT mid: p = 0.0025WT lat vs *Ttc21b* lat: p = 0.6285WT lat vs. *Ttc21b* mid: p > 0.9999WT mid vs. *Ttc21b* lat: p = 0.0021WT mid vs. *Ttc21b* mid:p = 0.0352*Ttc21b* lat vs. *Ttc21b* mid: p = 0.9140 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
|  | C | WT: 3 embryos*Ttc21b*: 3 embryos | 420.0 ± 24.2 μm601.3 ± 44.1 μm | p = 0.0075 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | D | WT: 3 embryos*Ttc21b*: 3 embryos | 1.00 ± 0.04 1.16 ± 0.04  | p = 0.0076 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | E | WT: 3 embryos*Ift122*: 3 embryos | 313.3 ± 14.2 μm387.0 ± 47.9 μm | p = 0.1065 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | F | WT: 3 embryos*Ift122:* 3 embryos | 0.66 ± 0.07 0.92 ± 0.11  | p = 0. 0314 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
| 6 | B (*Ift122*) | WT: 86 cables, 3 embryos*Ift122*: 36 cables, 3 embryos | WT circular mean: 24.2°*Ift122*  circular mean: 41.5° | P < 0.05 | Watson nonparametric two-sample test for homogeneity |
|  |  |  |  |  |  |
|  | B (*Ttc21b*) | WT: 84 cables, 3 embryos*Ttc21b:* 29 cables, 3 embryos | WT circular mean: 26.4°*Ttc21b* circular mean: 44.3° | 0.05 < P < 0.10 | Watson nonparametric two-sample test for homogeneity |
|  |  |  |  |  |  |
|  | C (*Ift122)* | WT: 3 embryos*Ift122*: 3 embryos | 28.67 ± 6.11 cables12.33 ± 3.06 cables | p = 0.0266 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | C (*Ttc21b*) | WT: 3 embryos*Ttc21b*: 3 embryos | 28.0 ± 1.7 cables9.7 ± 5.0 cables | p = 0.0160 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | D (*Ift122*) | WT: 3 embryos*Ift122*: 3 embryos | 50.7 ± 9.3 cables33.3 ± 4.0 cables | p = 0.06668 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | D (*Ttc21b*) | WT: 3 embryos*Ttc21b*: 3 embryos | 43.4 ± 3.8 cables33.7 ± 4.2 cables | p = 0.0414 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | F (*Ift122*) | WT: 151 cables, 3 embryos*Ift122*: 100 cables, 3 embryos | WT circular mean: 34.7°*Ift122*  circular mean: 45.9° | P < 0.01 | Watson nonparametric two-sample test for homogeneity |
|  |  |  |  |  |  |
|  | F (*Ttc21b*) | WT: 130 cables, 3 embryos*Ttc21b:* 101 cables, 3 embryos | WT circular mean: 28.8°*Ttc21b* circular mean: 40.8° | P < 0.001 | Watson nonparametric two-sample test for homogeneity |
|  |  |  |  |  |  |
|  | G (*Ift122*) | WT: 3 embryos(50, 50, 50 cells)*Ift122*: 3 embryos(50, 50, 50 cells) | N/A | N/A | N/A |
|  |  |  |  |  |  |
|  | H (*Ttc21b*) | WT: 3 embryos(50, 50, 50 cells)*Ttc21b*: 3 embryos(50, 50, 50 cells) | N/A | N/A | N/A |
|  |  |  |  |  |  |
| 7 | B | WT: 3 embryos*Ift122*: 3 embryos | N/A | N/A | N/A |
|  |  |  |  |  |  |
|  | C | WT: 3 embryos*Ttc21b*: 3 embryos | N/A | N/A | N/A |
|  |  |  |  |  |  |
| 8 | B, C | WT: 5 embryos(1129, 1011, 1047, 1269, 1105 cells)*Gli2*: 5 embryos(1075, 967, 1067, 1017, 1097 cells) | 17.39 ± 0.78 μm216.96 ± 1.57 μm2 | p = 0.6069 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | E, F | WT: 5 embryos(233, 220, 161, 342, 310 cells)*Gli2*: 5 embryos(228, 257, 277, 171, 174 cells) | 47.66 ± 7.20 μm232.24 ± 5.98 μm2 | p = 0.0066 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | H | WT: 5 embryos*Gli2*: 5 embryos | WT lateral:59.54 ± 2.14 μmWT midline:29.90 ± 1.80 μm*Gli2* lateral:57.37 ± 5.95 μm*Gli2* midline:50.01 ± 3.04 μm | WT lat vs. WT mid: p < 0.0001WT lat vs. *Gli2* lat: p = 0.9555WT lat vs. *Gli2* mid: p = 0.0038WT mid vs. *Gli2* lat: p = 0.0009WT mid vs. *Gli2* mid: p < 0.0001*Gli2* lat vs. *Gli2* mid: p = 0.2100 | Brown-Forsythe and Welch One-way ANOVA (Dunnett’s T3 multiple comparisons)Does not assume equal SDs |
|  |  |  |  |  |  |
| 8S2 | A | WT: 5 embryos(903, 796, 823, 792, 860 cells)*Gli2*: 5 embryos(1023, 867, 831, 738, 836 cells) | WT ML: 74.76 ± 5.95% WT AP: 25.24 ± 5.95%*Gli2* ML: 71.73 ± 7.47% *Gli2* AP: 28.63 ± 7.47% | WT vs. *Gli2* ML: p = 0.6853WT vs. *Gli2* AP: p = 0.6853 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | B | WT: 5 embryos(903, 796, 823, 792, 860 cells)*Gli2*: 5 embryos(1023, 867, 831, 738, 836 cells) | 1.31 ± 0.10 1.27 ± 0.13 | p = 0.6079 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | C | WT: 5 embryos (260, 173, 88, 105, 100 cells) *Gli2*: 5 embryos(244, 325, 180, 177, 146 cells) | WT ML: 66.59 ± 12.01% WT AP: 33.41 ± 12.01%*Gli2* ML: 66.99 ± 20.28%*Gli2* AP: 33.01 ± 20.28% | WT vs. *Gli2* ML: p = 0.9991WT vs. *Gli2* AP: p = 0.9991 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | D | WT: 5 embryos (260, 173, 88, 105, 100 cells) *Gli2*: 5 embryos (244, 325, 180, 177, 146 cells) | 1.31 ± 0.20 1.38 ± 0.37 | p = 0.7324 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
| 9 | H  | control: 3 embryos(1140, 1104, 1395 cells)Wnt1-Cre2 > SmoM2:3 embryos (763, 867, 723 cells) | 15.15 ± 1.61 μm222.69 ± 2.07 μm2 | p = 0.0089 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | I  | control: 3639 cells, 3 embryosWnt1-Cre2 > SmoM2:2353 cells, 3 embryos | N/A (D = 0.3002) | p < 0.0001 | Kolmogorov-Smirnov |
|  |  |  |  |  |  |
|  | J  | control: 3 embryos(225, 183, 189 cells)Wnt1-Cre2 > SmoM2:3 embryos (188, 176, 224 cells) | 43.76 ± 4.85 μm243.56 ± 3.81 μm2 | p = 0.9556 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | K  | control: 597 cells, 3 embryosWnt1-Cre2 > SmoM2:588 cells, 3 embryos | N/A (D = 0.0320) | p = 0.9215 | Kolmogorov-Smirnov |
|  |  |  |  |  |  |
| 9 S1 | B | control: 4 embryosWnt1-Cre2 > SmoM2:4 embryos | 3.73 ± 0.38 % 3.64 ± 0.44 %  | p = 0.7798 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
| 9S2 | A | control: 3 embryos(887, 912, 1132 cells)SmoM2: 3 embryos(567, 655, 753 cells) | control ML: 69.99 ± 3.13% control AP: 30.01 ± 3.13%SmoM2ML: 69.19 ± 3.72% SmoM2AP: 30.81 ± 3.72% | control vs. SmoM2 ML: p = 0.9519control vs. SmoM2 AP:p = 0.9519 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | B | control: 3 embryos(887, 912, 1132 cells)SmoM2: 3 embryos(567, 655, 753 cells) | 1.29 ± 0.05 1.29 ± 0.60 | p = 0.9359 | Welch’s t-testDoes not assume equal SDs |
|  |  |  |  |  |  |
|  | C | control: 3 embryos (85, 143, 125 cells) SmoM2: 3 embryos(146, 78, 144 cells) | control ML: 66.77 ± 14.70% control AP: 33.23 ± 14.70%SmoM2ML: 66.01 ± 19.55%SmoM2AP: 33.99 ± 19.55% | control vs SmoM2 ML: p = 0.9983control vs SmoM2AP: p = 0.9983 | Two-way ANOVA (Sidak’s multiple comparisons) |
|  |  |  |  |  |  |
|  | D | control: 3 embryos (85, 143, 125 cells) SmoM2: 3 embryos(146, 78, 144 cells) | 1.31 ± 0.20 1.38 ± 0.37 | p = 0.7324 | Welch’s t-testDoes not assume equal SDs |