**Pax2a+ Cells in Wild-type, *hans6*, and *hs:hand2* Intermediate Mesoderm**

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| Date/embryo | Genotype | Pax2a+ |
| 12/13/15 |  | **Per 250um** |
| 1 | Wild-type | 72 |
| 3 | *hans6* | 132 |
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| 1/3-4/16 |  | **Per 250um** |
| 1 | Wild-type | 82 |
| 2 | *hans6* | 154 |
| 5 | Wild-type | 83 |
| 7 | Wild-type | 84 |
| 8 | *hans6* | 123 |
| 9 | Wild-type | 103 |
| 10 | *hans6* | 163 |
| 11 | *hans6* | 158 |
| 12 | Wild-type | 99 |
| 13 | Wild-type | 90 |
| 15 | *hans6* | 152 |
| 16 | Wild-type | 119 |
| 17 | Wild-type | 97 |
| 18 | Wild-type | 78 |
|  |  |  |
| 1/10/16 |  | **Per 250um** |
| 1 | *hans6* | 118 |
| 2 | *hans6* | 154 |
| 3 | Wild-type | 74 |
| 4 | Wild-type | 87 |
| 5 | Wild-type | 76 |
| 6 | *hans6* | 98 |
| 8 | *hans6* | 105 |
|  |  |  |
| 9/13/16 |  | **Per 500um** |
| 1 (side1) | *hs:hand2* | 34 |
| 1 (side2) | *hs:hand2* | 7 |
| 2 (side1) | *hs:hand2* | 39 |
| 2 (side2) | *hs:hand2* | 26 |
| 3 (side1) | *hs:hand2* | 28 |
| 3 (side2) | *hs:hand2* | 35 |
| 4 (side1) | *hs:hand2* | 53 |
| 4 (side2) | *hs:hand2* | 28 |
| 5 (side1) | *hs:hand2* | 13 |
| 5 (side2) | *hs:hand2* | 106 |
| 6 (side1) | *hs:hand2* | 109 |
| 7 (side 1) | *hs:hand2* | 53 |
| 7 (side 2) | *hs:hand2* | 80 |
| 8 (side 1) | *hs:hand2* | 0 |
| 8 (side 2) | *hs:hand2* | 0 |
| 9 (side 1) | *hs:hand2* | 0 |
| 9 (side 2) | *hs:hand2* | 0 |
| 9 (side 1) | *hs:hand2* | 0 |
| 9 (side 2) | *hs:hand2* | 0 |

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| Genotype (n) | Pax2a+ per 250um |
| Wild-type (n=13) | 88 + 13.4 |
| *hans6* (n=10) | 135.7 + 22.4 |

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| Genotype (n) | Pax2a+ per 500um |
| *hs:hand2* (n=19) | 32 + 34.9 |

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| Genotype (n) | Pax2a+ per 100um | p-value (compared to wild-type) |
| Wild-type (n=13) | 35.2 + 5.4 |  |
| *hans6* (n=10) | 54.3 + 9.0 | p < 0.0001 |
| *hs:hand2* (n=19) | 6.4 + 7.0 | p < 0.0001 |