**Supplementary File 1 (Table 1)** Action potential parameters of iPSC-CMs vs Control 1, all paced at 1 or 2 Hz.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **dV/dtmax** | **Overshoot** | **Amplitude** | **MDP** | **APD90** | ***n*** |
| **1 Hz** |  |  |  |  |  |  |
| Control 1 | 32 ± 5 | 31 ± 2 | 101 ± 3 | -70 ± 2 | 171 ± 17 | 13 |
| Male 2 | 8 ± 1\* | 23 ± 2\* |  85 ± 2\* | -64 ± 2 | 171 ± 19 | 12 |
| Male 1 | 11 ± 1\* | 31 ± 1 | 103 ± 2 | -70 ± 2 | 218 ± 21 | 15 |
| Female | 12 ± 2 | 28 ± 3 |  92 ± 4 | -63 ± 2\* | 169 ± 22 |  9 |
| **2 Hz** |  |  |  |  |  |  |
| Control 1 | 39 ± 9 | 32 ± 2 | 102 ± 3 | -70 ± 1 | 162 ± 12 | 15 |
| Male 2 | 11 ± 2\*\*\*\* | 27 ± 2 | 92 ± 3\* | -65 ± 1\* | 171 ± 14 | 16 |
| Male 1 | 11 ± 1\*\*\*\* | 29 ± 1 | 99 ± 3 | -70 ± 2 | 186 ± 16 | 17 |
| Female |  9 ± 1\*\*\* | 28 ± 4 | 91 ± 5 | -63 ± 2\*\* | 149 ± 16 |  7 |

One-way ANOVA followed by Dunnett’s multiple comparisons test. Values are expressed as mean ± SEM. \*\*\*\**P* < 0.0001, \*\*\**P* = 0.0002, \*\**P* = 0.0081, and \**P* < 0.05