**Supplementary File 4 (Table 4)** Biophysical parameters of DMD, and female iPSC-CMs vs Control 1.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Activation** | |  | | |  | |
|  | **V50** | | ***k*** | | **Vrev** | **Peak current density** | | ***n*** |
| **Na+ currents** | mV | | mV | | mV | pA/pF | |  |
| Control 1  Male 1  Male 2  Female | -29 ± 1  -31 ± 1  -28 ± 1  -27 ± 1 | | 3 ± 1  4 ± 1  3 ± 1  4 ± 1 | | 17 ± 1  16 ± 1  17 ± 2  14 ± 1 | -27 ± 3  -14 ± 1\*\*\*\*  -15 ± 1\*\*\*\*  -11 ± 1\*\*\*\* | | 14  11  9  22 |
| **Ca2+ currents** |  | | | | | | | |
| Control 1  Male 1  Male 2  Female | - 8 ± 1  -16 ± 1  -14 ± 1  -12 ± 1 | | 8 ± 1  8 ± 1  9 ± 1  7 ± 1 | | 54 ± 3  54 ± 2  57 ± 1  54 ± 2 | -10 ± 1  - 9 ± 1  - 9 ± 1  -10 ± 1 | | 9  14  10  13 |

Activation parameters were calculated by data fitting to Boltzmann functions. V50 is the voltage for half‑maximal activation, *k* is the slope factor and *n* the number of cells. One-way ANOVA followed by Dunnett’s multiple comparisons test. Values are expressed as mean ± s.e.m. \*\*\*\**P* < 0.0001.