**Supplemental Table S5:** Compilation of diploid nuclei percentages of mononucleated (Mono) and binucleated (Bi) cardiomyocytes in this study.

|  |  |  |
| --- | --- | --- |
|  | Mouse Tnni3k genotype and CM type | H glaberCM type |
| Animal number | +/- | K489R/- | -/- | -/-, mCAT+ |
| Mono | Bi | Mono | Bi | Mono | Bi | Mono | Bi | Mono | Bi |
| 1 | 72.7% | 96.8% | 79.2% | 92.3% | 61.9% | 88.1% | 69.2% | 87.1% | 21.4% | 75.2% |
| 2 | 77.8% | 83.9% | 57.1% | 90.1% | 66.7% | 84.9% | 84.2% | 87.7% | 28.6% | 63.4% |
| 3 | 65.2% | 84.9% | 59.3% | 88.7% | 76.2% | 74.1% | 62.5% | 81.5% | 32.1% | 78.9% |
| 4 | 52.4% | 78.2% | 72.0% | 89.7% | 53.6% | 81.4% |  |  |  8.8% | 67.6% |
| 5 | 60.9% | 85.4% | 66.7% | 82.8% | 70.0% | 78.6% |  |  |  |  |
| Average | 65.8% | 85.8% | 66.8% | 88.7% | 65.7% | 81.4% | 72.0% | 85.4% | 22.7% | 71.3% |
| Std Dev | 9.9% |  6.8% |  9.1% |  3.6% |  8.5% |  5.4% | 11.1% |  3.4% | 10.3% |  7.0% |