**Table S1: Comparison of cardiomyocytes resting sarcomere length in 0.5Hz paced cells in WT and 1αOH-/-.**

|  |  |  |
| --- | --- | --- |
| Resting Sarcomere length (lm) | | |
|  |  |  |
| WT |  | 1αOH-/- |
| 1.7 |  | 2.25 |
| 1.67 |  | 2.27 |
| 1.47 |  | 2.21 |
| 1.57 |  | 2.3 |
| 1.81 |  | 2.33 |
| 1.59 |  | 2.24 |
| 1.73 |  | 2.31 |
| 1.75 |  | 2.26 |
| 1.68 |  | 2.24 |
| 1.58 |  | 2.32 |
| 1.68 |  | 2.41 |
| 1.78 |  | 2.3 |
| 1.8 |  | 2.31 |
| 1.71 |  | 2.27 |
| 1.72 |  | 2.25 |
| 1.66 |  | 2.29 |
| 1.64 |  | 2.28 |
| 1.57 |  | 2.25 |