

Gender-specific characteristics of hypertrophic response in cardiomyocytes derived from human embryonic stem cells

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Supplementary file 1

Table S1. List of primary and secondary antibodies used in the study

Antibody	Cat.number	Company
NANOG antibody	AF2729	R&D systems
Anti-goat antibody	A-11055	Invitrogen
OCT4 antibody	sc-5279	Santa Cruz biotechnology
Anti-mouse antibody	A-11020	Invitrogen
Anti-Cardiac Troponin T antibody	ab64623	Abcam
Anti-goat antibody	A21223	Invitrogen

Table S2. List of primers used in the study

Gene	Forward sequence(F) Reverse sequence(R)
<i>GAPDH</i>	F: CTCATTTCTGGTATGACAACGA R: CTCCT CTT GTG CTC TTG CT
<i>NANOG</i>	F: AAAGAATCTTCACCTATGCC R: GAAGGAAGAGGAGAGACAGT
<i>NKX2.5</i>	F: CCCACGCCCTTCTCAGTCAA R: GTAGGCCTCTGGCTTGAAGG
<i>GATA4</i>	F: CCT GTC ATC TCA CTA CGG R: GCT GTT CCA AGA GTC CTG
<i>TBX5</i>	F: CGATCACAGATACAAATTCGC R: CAGGTGGTTGTTGGTGAGC
<i>ISL1</i>	F: TACAAAGTTACCAGCCACC R: GGAAGTTGAGAGGACATTGA

<i>SERCA2a</i>	F: CATCAAGCACACTGATCCCGT
	R: CCACTCCCATAGCTTTCCCAG
<i>CACNA1C</i>	F: AATCGCCTATGGACTCCTCTT
	R: GCGCCTTCACATCAAATCCG
<i>RYR2</i>	F: GGCAGCCCAAGGGTATCTC
	R: ACACAGCGCCACCTTCATAAT
<i>MYH6</i>	F: ATTGCTGAAACCGAGAATGG
	R: CGCTCCTTGAGGTTGAAAAG
<i>MYH7</i>	F: GGCAAGACAGTGACCGTGAAG
	R: CGTAGCGATCCTTGAGGTTGTA
<i>TNNT2</i>	F: ATGATGCATTTTGGGGGTTA
	R: CAGCACCTT CCTCCTCTCAG
<i>ATP2A2</i>	F: TCACCTGTGAGAATTGACTGG
	R: AGAAAGAGTGTGCAGCGGAT
<i>NPPA</i>	F: CGAGGAAGTCACCATCAAACCAC
	R: TAGGGACAGACTGCAAGAGG
<i>NPPB</i>	F: TCCTGCTCTTCTTGCATCTGGCTT
	R: AAATGGTTGCGCTGCTCCTGTAAC
<i>KDM5D</i>	F: TGCATAAGAAAGTCACATGC
	R: TGGTTGTCTTAGTGCAGG
<i>KDM5C</i>	F: AGGAAGAGCTGGAGGAGGAGACTGG
	R: CGGTTCCAAGCCATTCTGGTTCT
<i>TBL1Y</i>	F: CTGATGGCTCTGTGTGTGTTT
	R: TATTTGGAGCTGATAGAATTGTGTTT
<i>TBL1X</i>	F: GCCGCCATTCGCCACCGA
	R: CTCCGAACCTCCCTCCAGCCG
<i>UTY</i>	F: AGTAGACCAAACCAAGGCCA
	R: GGAGTCTGACTTCTTTTGCCA
<i>UTX</i>	F: GAGGTTGAAGTGACCTAATTGACA
	R: CCTCTTTGGGTTTCGTGAGAT
<i>HSFY</i>	F: TTCATGGGATGAGAATGGAAC
	R: GAAAGGTGGCTAGAAAGGCAG
<i>HSFX</i>	F: AACGGCGTCAATGCACTTTCA
	R: TGTCCTCCTCCTGATGTCTTGGTGC
<i>RPS4Y</i>	F: AGGAAGATACTGTGGGAGTG
	R: GTATCGTTCACCTTGATGAC
<i>RPS4X</i>	F: GGTCTCTTTTCTTGCCTAACGCA
	R: CACTCTCTCAACTTGTGGGGACCG
<i>USP9Y</i>	F: GACCCTTGTGTATCAGCAGCATTTC
	R: GCTGCCAGTAATGACTAAGTCCA
<i>USP9X</i>	F: CCCAGTGCAAAGCAATGAAACG
	R: TGCTCTTCCATTTCTATCTGCTGC

Supplementary movie 1. Spontaneous beating colonies of cardiomyocytes