



Correction to: miR-762 modulates thyroxine-induced cardiomyocyte hypertrophy by inhibiting Beclin-1

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Published online: 14 January 2020
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Correction to: Endocrine

<https://doi.org/10.1007/s12020-019-02048-y>

The original version of this article unfortunately contained the below mistakes. This has been corrected with this erratum.

1. Table. 2 Sequences for primers

The sequences of β -MHC: Forward and Reverse, miR-762 mimic, and miR-762 inhibitor are incorrect. Below are the correct sequences.

β -MHC: Forward 5-TGCAGACATAGAGACCTACCTT C-3

Reverse 5-CAGCATGTCTAGAAGCTCAGG-3

miR-762 mimic: 5-GGGGCUGGGGCCGGGACAGAGC-3

miR-762 inhibitor: 5-GCUCUGUCCCGGCCCCAGCCCC-3

2. Figure 1

2 panels were marked as “f” in Fig. 1. The last “f” panel in the bottom should be “j”.

3. Figure 3.

The panel “I” in Fig. 3, the labels of “3” and “5” were inversed, and “WU-Beclin-1-3’UTR” should be “MU-Beclin-1-3’UTR”. Below is the correction.

Table 1 Sequences for primers

Gene	q-PCR
miR-762	Forward 5-ATATATAGGGGCTGGGGCCG-3 Reverse 5-CAGTGCGTGTCTGGAGT-3
U6	Forward 5-CTCGCTTCGGCAGCAC-3 Reverse 5-AACGCTTCACGAATTTGCGT-3
ANP	Forward 5-ACGCAGCTTGGTCACATTGC-3 Reverse 5-CCACTAGACCACTCATCTAC-3
β -MHC	Forward 5-TGCAGACATAGAGACCTACCTTC-3 Reverse 5-CAGCATGTCTAGAAGCTCAGG-3
Beclin-1	Forward 5-CGTACAGGATGGACGTGGAG-3 Reverse 5-GGCAAGACCCCACTTGAGAT-3
GAPDH	Forward 5-AGGTCGGTGTGAACGGATTG-3 Reverse 5-TGTAGACCATGTAGTTGAGGTCA-3
miR-762 mimic	5-GGGGCUGGGGCCGGGACAGAGC-3
miR-762 mimic NC	5-UCACAACCUCCUAGAAAGAGUAGA-3
miR-762 inhibitor	5-GCUCUGUCCCGGCCCCAGCCCC-3
miR-762 inhibitor NC	5-CAGUACUUUUGUGUAGUACAAA-3

Fig. 1 Intraperitoneal injection of thyroxine successfully induces cardiomyocyte hypertrophy. **a** Serum TT3 after intraperitoneal injection of normal saline or T4 solution. **b** Serum TT4 after intraperitoneal injection of normal saline and T4 solution. **c** Weight changes from week 9 to week 16. **d** Heart beats per minute. **e** Heart perfusion after draining of blood. **f** Heart weight after draining of blood. **g** Vernier caliper measures the longest vertical diameter of the heart. **h** Vernier caliper measures the widest transverse diameter of the heart. **i** The ratio of heart weight to body weight. **j** The ratio of heart weight to tibia length. (** $P < 0.01$ vs the control group; $n \geq 9$ independent samples for each group)

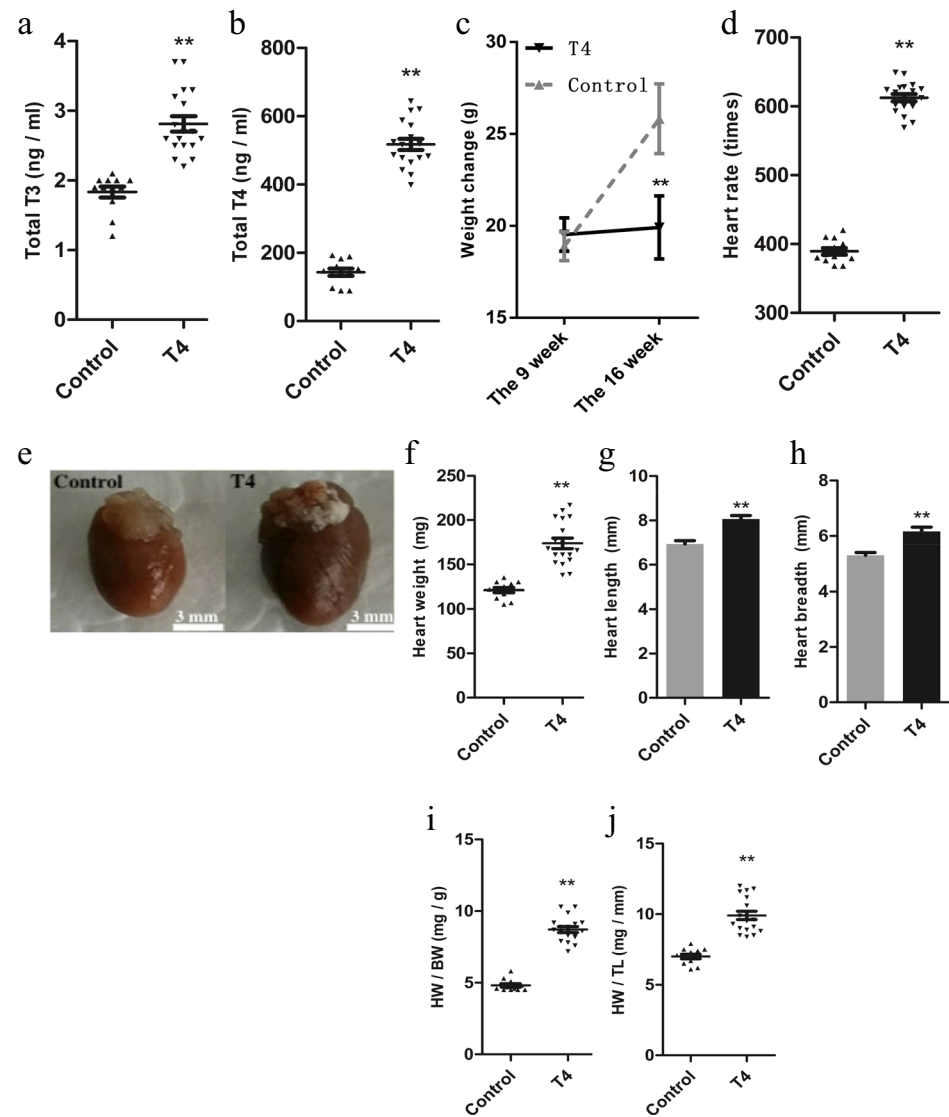


Fig. 3 Autophagy plays a key role in thyroxine-induced cardiomyocyte hypertrophy. a.

Expression of LC3 and Beclin-1 protein in the heart. **b.**

Transmission electron microscopy of the heart. Autophagic vacuoles are green, and autolysosomes are red,

10000 \times . **c.** Immunofluorescence staining of the heart, LAMP2 protein is red, LC3 protein is green, cell nuclei are blue, and autolysosomes are yellow, 200 \times .

d. Semiquantitative analysis of miR-762 gene expression in the heart. **e.** Semiquantitative analysis of Beclin-1 gene expression in the heart. **f.**

Semiquantitative analysis of LC3 protein in the heart. **g.** Semiquantitative analysis of Beclin-1 protein in the heart. **h.**

Semiquantitative analysis of autophagic vacuoles with transmission electron microscopy. **i.** Semiquantitative analysis of LAMP2 protein with immunofluorescence staining. **j.**

Semiquantitative analysis of LC3 protein with immunofluorescence staining. **k.** Semiquantitative analysis of autolysosomes with immunofluorescence staining. **l.**

The sequence of the Beclin-1 3'-UTR (<http://www.Ensembl.org/>) and binding site between miR-762 and Beclin-1 in mice

(<http://www.Targetscan.org/>). **m.** Semiquantitative analysis of luciferase activity in 293A cells. (** $P < 0.01$ vs the control group; $n \geq 9$ independent samples for each group)

