

## SUPPLEMENTARY TABLES

**Supplementary Table 1. Antibodies used.**

Antibody	Reference	Dilution	References	Company
IGF-IR $\beta$	Chong, Q. et al 2017	1:1000	Over 30 citations	Cell signalling
IGF-IR $\beta$	Pagesy, P. et al. 2016.	1:200	Over 190 citations	Santa Cruz Biotechnology
ER $\alpha$	Choi, HS. et al. 2017	1:500	Over 110 citations	Santa Cruz Biotechnology
$\beta$ -Actin	Shuang Qiu et. Al 2014	1:2000	Over 900 citations	Sigma

**Supplementary Table 2. Sequence of primers used in qPCR assays.**

Gene	Specie	Sequence	Reference
IGF-1	Mus musculus	GCTTTTACTTCAACAAGCCCACAGG	Mm00439560_m1
IGF-IR	Mus musculus	GGCCAGAAGTGGAGCAGAATAATCT	Mm00802831_m1
Esr1	Mus musculus	ACAAGGCTCC CTGCTCAGCAGCCTTG	Mm00433149_m1
18s	Mammalia		4319413E