



Liao *et al.* Supplementary Figure 1

Semi-quantitative RT-PCR: **A.** Expression of the human prolactin receptor (*hPRLR*) in the prostate cancer cell line, LNCaP, and the breast cancer cell line T47D. **B.** Expression of the mouse growth hormone receptor (*mGhr*) and **C.** the mouse prolactin receptor (*mPrlr*) in mouse C2C12 cells, compared with RNA isolated from C57BL/6J (B6) liver and placenta. *Gapdh* was used as a loading control.

Methodology: Total RNA was isolated using TRIzol Plus RNA Purification Kit (Invitrogen, Carlsbad, CA). Semi-quantitative RT-PCR was performed using a SYBR FAST One-Step qRT-PCR Kit (KAPA). Sequences of the nucleotide primers were: *mGhr* 5'-GCTACTCTTGGCAAAGCTTC and 5'-CGTTGGCTTTCCCTTTTAGC (35 cycles); *hPRLR* 5'-TTTGCCTCCAGCAAGGAACA and 5'-CGCGAACGGTCGGTAAAATC (28 cycles); *mPrlr* 5'-TTTTGCACATGAACCTGAA and 5'-ACCAGCAGGTGAATGTTTCC (30 cycles); *hGAPDH* 5'-TGCACCACCAACTGCTTAGC and 5'-CCCATGGACTGTGGTCATGAC (24 cycles); and *mGapdh* 5'-CTTTGGCATTGTGGAAGGGC and 5'-CAGGGATGATGTTCTGGGCA (24 cycles). Amplified RT-PCR products were visualised on a 1.5% agarose gel.