1. Supplementary data

1.1 Supplementary Figures

Supplementary figure 1. Establishment of stable cell lines expressing pEGFP-p130Cas or pEGFP-C1. After transfection of pEGFP-p130Cas or pEGFP-C1, MCF7 cells were cultured in DMEM/10% FBS media containing 0.5 mg/ml of G418 and colonies were isolated 2 weeks later. Stable expression of EGFP-p130Cas or EGFP was assessed by fluoromicroscopy (a) or western blot analysis using anti-GEP antibody (b).

Supplementary figure 2. Establishment of stable cell lines expressing miR-362-3p or miR-329. After transfection of MCF7 cells with plasmids encoding hsa-miR-362-3p or has-miR-329 with its empty plasmid, cells were cultured in DMEM/10% FBS media containing 0.1 mg/ml of Zeocin and colonies were isolated 2 weeks later. Expression of miR-362-3p/miR-329 and p130Cas was assessed by RT-qPCR (a) and western blot analysis (b), respectively.

Supplementary figure 3. Schematic diagram of genomic locus of miR-362 gene. miR-362 is an intronic miRNA and encoded in the intron 3 of *CLCN5* in chromosome X. CpG islands on the promoter region of CLCN5 are shown as gray boxes and PCR amplicon (under bar) contains 17 CpG sequences.

Supplementary figure 4. Schematic diagram of genomic locus of miR-329 gene. miR-329 is an intergenic miRNA and encoded in chromosome 14 as two copies (miR-329-1 and miR-329-2, respectively). Promoter region of miR-329 gene is not identified and there were no CpG islands on the upstream region of miR-329 upto 20 kb. Primers listed in Table 1 generated two descriptive products;
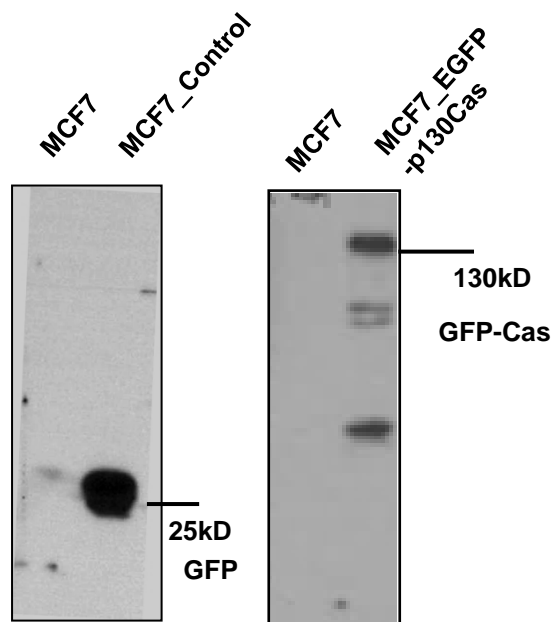
upper band (arrow), pri-miR-329-1 + miR-329-2 (567 bp); lower band (arrow head), miR-329-1 (162 bp).
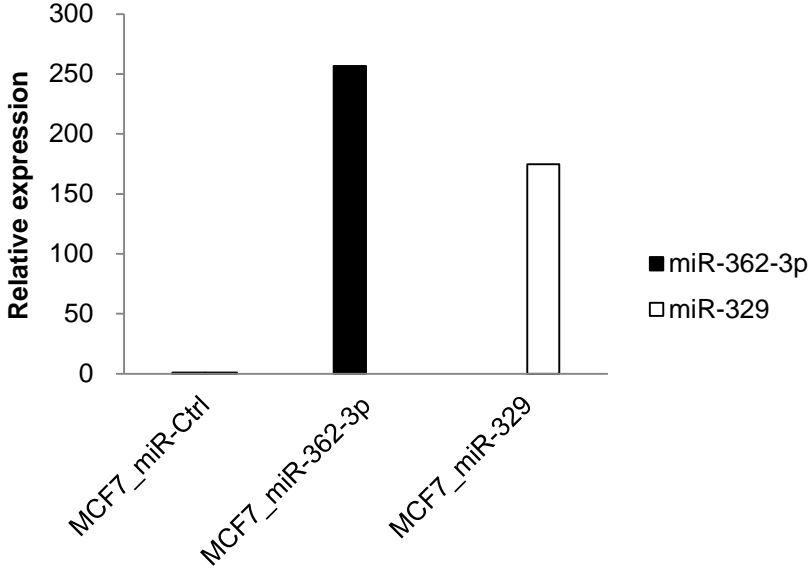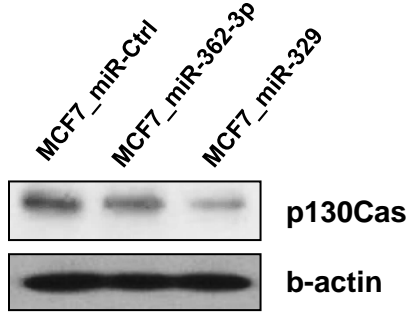
Supplementary figure 1.
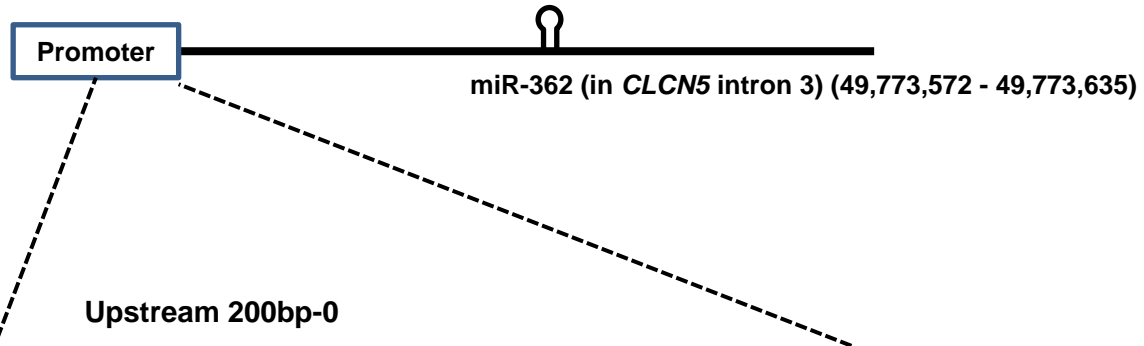
a

b
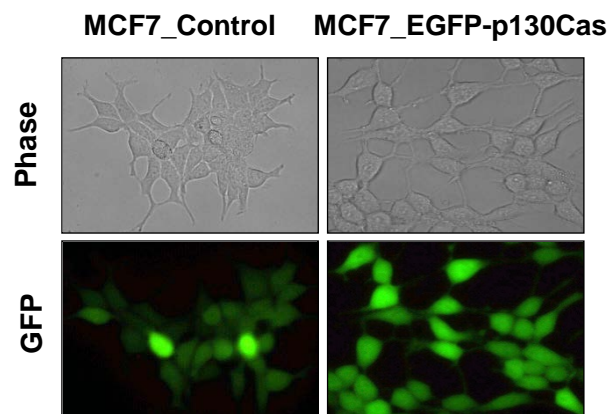
Supplementary figure 2.

a

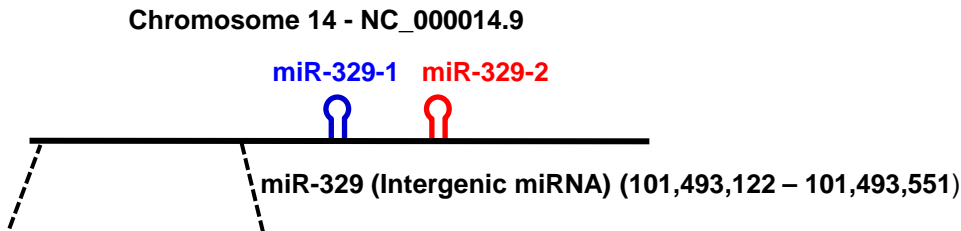**b**

Supplementary figure 3.

Chromosome X - NC_000023.11

CLCN5 (49,922,615 – 50,099,235)

Promoter

miR-362 (in *CLCN5* intron 3) (49,773,572 - 49,773,635)

Upstream 200bp-0

5`cggataggacc**cg**cc**cg**cccagtcctcattaaatatggca**gcgagcggggccgacg**tactg**cg**gctg**cg**ca
                 1   2   3 4   5   6

agttgaaactcctcctggcagctcctccc**cg**g**cg**ggcctcccctcatct**cg**gctgggtagaggtgc**cg**ggtgt
              7   8   9   10

gagct**cg**g**cg**tgg**cgcgcacgcgcagacg**ctggctgggctgagc**cg**atact**cgcg**agg**cg**ccct 3`
   11 12   1314 1516   17

■ **: CpG Under bar : PCR amplicon Bold: Primer sequence**

Supplementary figure 4.

Chromosome 14 - NC_000014.9

miR-329-1   miR-329-2

miR-329 (Intergenic miRNA) (101,493,122 – 101,493,551)

Upstream 200000 - 0bp
CpG island is not detected

miR-329 (miR-329-1 and miR-329-2)

chr14:101493100-101493551

GGTACCTGAAGAGAGGTTTTCTGGGTTTCTGTTTCTTTAATGAGGACGAAACACACC
TGGTTAACCTCTTTTCCAGTATCaaatcccatcttggaggccttctggtccagacct
cagcttcagggaagggcgttactctcagctccagtccactggacagaaatctatggt
taaccacgaagcctgtgctgtattatttttgactgatgtcatctgttctactaacccc
agtgtccaatccgtatttaacaggacttccaggactgaatgtcaagtttggggaagg
aatcagtggtgttcttgtcagtgttacttggtGGTACCTGAAGAGAGGTTTTCTGGG
TTTCTGTTTCTTTAATGAGGACGAAACACACCTGGTTAACCTCTTTTCCAGTATC

600bp
500bp — ← *pri-miR-329-1 + miR-329-2 (567bp)*

100bp — ◄ *pri-miR-329-1 (162bp)*