

Additional file 1

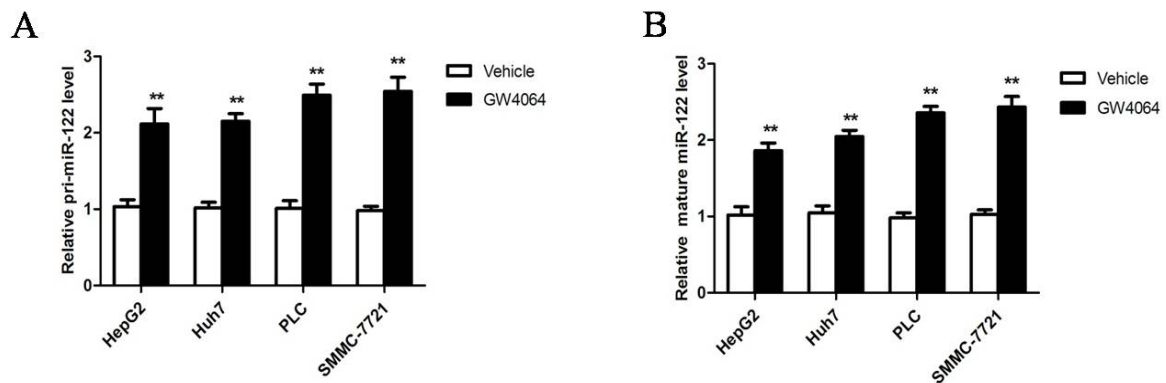


Figure S1. Activation of FXR upregulates miR-122 expression in HCC cells. HepG2, Huh7, PLC and SMMC-7721 cells were separately treated with GW4064 (5 μ M) or vehicle DMSO for 24 h, and then the expression of pri-miR-122 (**A**) and mature miR-122 (**B**) was examined by qRT-PCR. ** $P < 0.01$ vs vehicle.

Table S1. The primer sets for qRT-PCR

Gene (human)	Forward primer	Reverse primer
FXR	5'- GCGCGTCAGCAGGGAGGATC-3'	5'-TCCATTCATTCGGCCAGATTAT-3'
mature miR-122	5'-TGGAGTGTGACAATGGTGTGTTG-3'	Universal Adaptor PCR Primer (supplied in the kit)
pri-miR-122	5'-AATGGTGGAATGTGGAGGTGAAG-3'	5'-AGGGAAGGATTGCCTAGCAGTAG-3'
IGF-1R	5'- TGGCATACTCAACGCCAAT-3'	5'- AGGACCAGACGTCCGAGTAA-3'
Cyclin G1	5'- TGGCATACTCAACGCCAAT-3'	5'- AGGACCAGACGTCCGAGTAA-3'
β -actin	5'- GTGAAGGTGACAGCAGTCGGTT-3'	5'- GAAGTGGGGTGGCTTTTAGGA-3'
U6 snRNA	5'-CGCTTCGGCAGCACATATACTAA-3'	5'-TATGGAACGCTTCACGAATTTGC-3'

Table S2. The primer sets for PCR amplification of different fragments of human *miR-122* promoter region

Fragment	Forward primer	Reverse primer
F1(-1100 to +130)	5'-CGGGGTACCGAAGGAAGGAATGGAAGGAAGC-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'
F2(-1000 to +130)	5'-CGGGGTACCTCTGGGTAGCGGCCGCT-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'
F3(-900 to +130)	5'-CGGGGTACCCTGCCCAAAGTGGTACAACCTG-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'
F4(-400 to +130)	5'-CGGGGTACCGGATCTATTGAACCTAGTAGGC-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'
F5(-200 to +130)	5'-CGGGGTACCCACACCCCCACTCAGCAGAG-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'
F6(-150 to +130)	5'-CGGGGTACCTTGACCAAAGGTGGTGCTGAC-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'
F7(-50 to +130)	5'-CGGGGTACCTACTTTTAAACCCTGGATCCCA-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'
F8(+5 to +130)	5'-CGGGGTACCGCTTCGGCAGCACATATACTAA-3'	5'-CCCAAGCTTGAACGGCCTGATCACTCAGG-3'