

Supplementary Materials:

Thetchinamoorthy Kannathasan, Wei-Wen Kuo, Ming-Cheng Chen, Vijaya Padma Viswanadha, Chia-Yao Shen, Chuan-Chou Tu, Yu-Lan Yeh, Mahalakshmi Bharath, Marthandam Asokan Shibu and Chih-Yang Huang

Table 1. List of primers for qPCR.

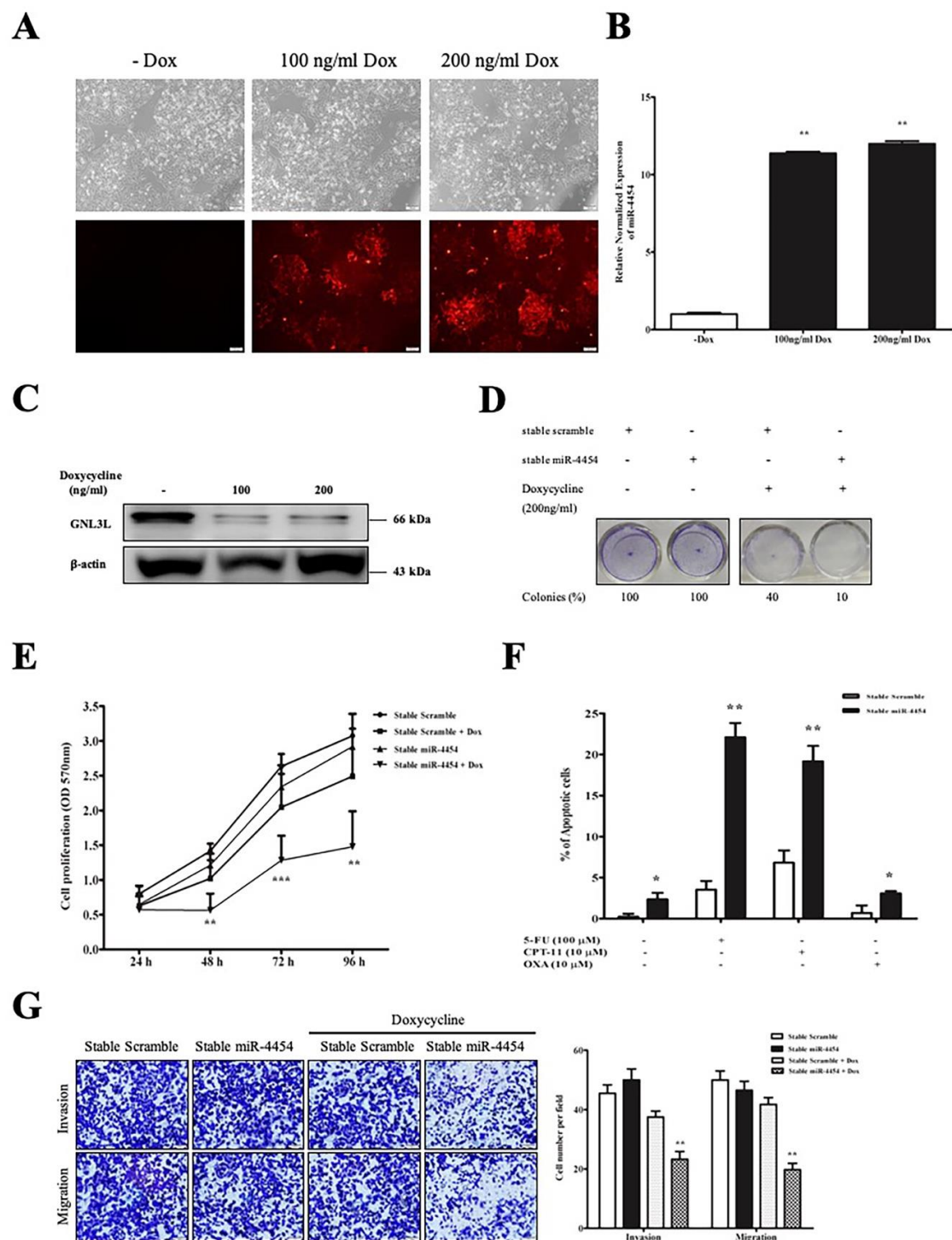
No.	ID Name	Sequences
1.	hsa-miR-30c-1-3p	CTGGGAGAGGGTTGTTTACTCC
2.	hsa-miR-4792	CGGTGAGCGCTCGCTGGC
3.	hsa-miR-6511b-5p	CTGCAGGCAGAAGTGGGGCTGACA
4.	hsa-miR-4454	GGATCCGAGTCACGGCACCA
5.	hsa-miR-1914-3p	GGAGGGGTCCCGCACTGGGAGG
6.	hsa-miR-5191	AGGATAGGAAGAATGAAGTGCT
7.	Forward – GNL3L	ACTCTGCCCACCCATCTCA
	Reverse – GNL3L	TTCAAGTGGGTCCGTGTCA
8.	Forward - Xho1- WT – GNL3L – Oligo	TCGAG -AATCCCAGCATTTTGGGAGGCCG
		AGGCAGGCGGATCACTTGAGGT
9.	Reverse – Sal1 - WT – GNL3L – Oligo	TCGAC -ACCTCAAGTGATCCGCCTG
		CCTCGGCCTCCCAAATGCTGGGATT
10.	Forward – Xho1 - Mut – GNL3L – Oligo	TCGAG -AATCCCAGCATTTTGGGAGGCCG
		AGGCAGGAGTATCACTTGAGGT

Table S2. List of primers for cloning.

pSBInducer, shRNA oligos (The mature siRNA/miRNA in the template oligos is underlined.	
miR30PCR ^{XhoI}	CAGAAGGCTCGAGAAGGTATATTGCTGTTGACAGTGAGCG
miR30PCRE ^{coRI}	CTAAAGTAGCCCCTTGAATTCCGAGGCAGTAGGCA
miR-4454	
TGCTGTTGACAGTGAGCGCGAGGGGGAAAGTTCTATAGTCTAGTGAAGCCACAGATGTAG <u>GGATCCGA</u> <u>GTCACGGCACCATGCCTACTGCCTCGGA</u>	
miR-4792	
TGCTGTTGACAGTGAGCGCGAGGGGGAAAGTTCTATAGTCTAGTGAAGCCACAGATGTAC <u>CGGTGAGC</u> <u>GCTCGCTGGCTGCCTACTGCCTCGGA</u>	
siRNA_Scramble:	
TGCTGTTGACAGTGAGCGCAGTGTACAGGGCTAGATACGACTAGTGAAGCCACAGATGTAG <u>TCGTATCT</u> <u>AGCCCTGACACTATGCCTACTGCCTCGGA</u>	

Table S3. Antibody list.

Antibody Name	Provider	Cat.log Number
GNL3L	Abcam	ab94862
p53 (1C12)	Cell Signaling	#2524
p-p53	Cell Signaling	#9284
MDM2 (SMP14)	Santa Cruz	sc-965
NFkB	Santa Cruz	sc-109
pNFkB (Ser536) (93H1)	Cell Signaling	#3033L
CD133	Proteintech	184700
Cyclin D	Santa Cruz	sc-246
Twist (2C1a)	Santa Cruz	sc-81417
Snai 1 (T-18)	Santa Cruz	sc-10433
Beta-Catenin	Santa Cruz	sc-1496
IKKalpha/beta	Santa Cruz	sc-7607
p27 (F-8)	Santa Cruz	sc1641
LC3B	Cell Signaling	#2775
EGFR	Cell Signaling	#2232
p-EGFR	Abcam	ab5644
Beta-Actin	Santa Cruz	sc-47778



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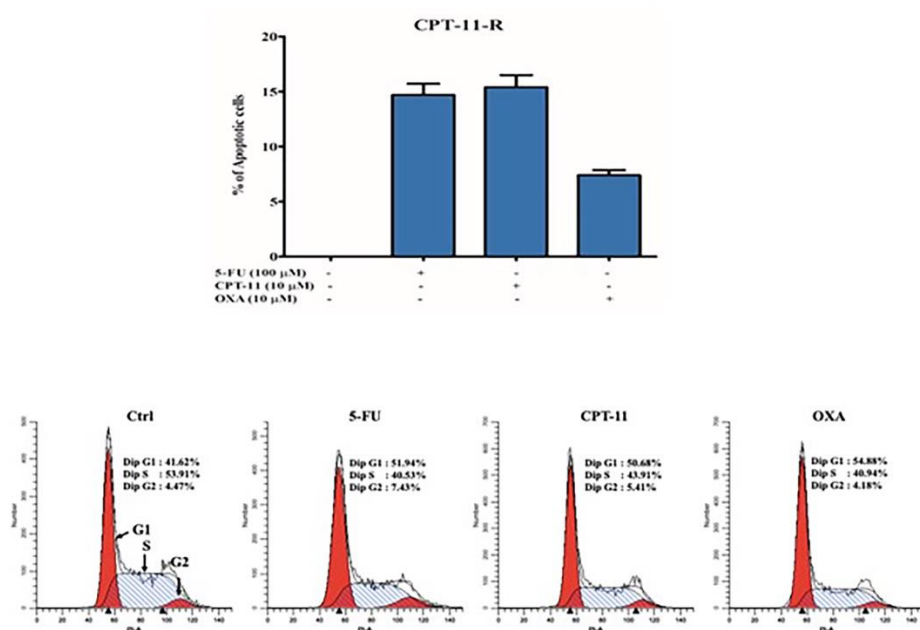


Figure S1. Figure depicting single clone selection. (A) Doxycycline induction and expression of RFP at different concentrations at 72 h. (B) Functional proof that Dox induction leads to overexpression miR-4454 in the CPT-11-R cells. (C) Functional proof that Dox-induced miR-4454 overexpression in cells with reduced GNL3L protein expression levels. (D) Colony formation assay. (E) Cell proliferation assay. (F) Analysis of apoptosis after first-line treatment in CPT-11-R scramble or miR-4454-overexpressing cells. (G) Invasion/migration assay (right and left). (H) CPT-11-R cross-resistance to other anti-cancer drugs (5-FU, Oxaliplatin) through Annexin V apoptosis and cell cycle state.