

Induction of miR-3648 upon ER stress and its Regulatory Role in Cell Proliferation

Farooq Rashid, Hassaan Mehboob Awan, Abdullah Shah, Liang Chen and Ge Shan *

Table S1. Oligos used in this study

Oligo name	Oligo sequence	Purpose
<i>APC2-F</i>	AGATCGCCGTGTAATTCTAGACTTCCCCTGTCGGAAGCCGTTG	Plasmid for 3' UTR luciferase reporter assays
<i>APC2-R</i>	GCCGGCCGCCCCGACTCTAGAGACGGTGTCGTCCTTACG	
<i>CCNF-F</i>	AGATCGCCGTGTAATTCTAGAGTGTGTCAGCACATTTGCCG	Plasmid for 3' UTR luciferase reporter assays
<i>CCNF-R</i>	GCCGGCCGCCCCGACTCTAGACATCTGCCACTATCCTCC	
<i>SKI-F</i>	AGATCGCCGTGTAATTCTAGAGTCCTCTGCTTGCTGGAAC	Plasmid for 3' UTR luciferase reporter assays
<i>SKI-R</i>	GCCGGCCGCCCCGACTCTAGACCTCAGTAAACCAAGGGC	
<i>SGTA-F</i>	AGATCGCCGTGTAATTCTAGAACCCGAAGGAAGCCTTCTGG	Plasmid for 3' UTR luciferase reporter assays
<i>SGTA-R</i>	GCCGGCCGCCCCGACTCTAGATTCCCCACACGTCACGCC	
<i>INPP5A-F</i>	AGATCGCCGTGTAATTCTAGAGGAAC TTCCCAGCGGATC	Plasmid for 3' UTR luciferase reporter assays
<i>INPP5A-R</i>	GCCGGCCGCCCCGACTCTAGAGCTTAGGAACCAGACCGG	
<i>SLC12A5-F</i>	AGATCGCCGTGTAATTCTAGAGAACCAGGACCTGCCACCC	Plasmid for 3' UTR luciferase reporter assays
<i>SLC12A5-F</i>	GCCGGCCGCCCCGACTCTAGAGCCATAAAGCATTAAATGGG	
<i>UPF1-F</i>	AGATCGCCGTGTAATTCTAGAGGTGGCGGCGGAAGAGCT	Plasmid for 3' UTR luciferase reporter assays
<i>UPF1-R</i>	GCCGGCCGCCCCGACTCTAGAGCCTTGGTACAGTGCGCC	
<i>LPL-F</i>	AGATCGCCGTGTAATTCTAGACTGGGCGAATCTACAGAAC	Plasmid for 3' UTR luciferase reporter assays
<i>LPL-R</i>	GCCGGCCGCCCCGACTCTAGAGAGTGAGTTGGCTCTGTG	
<i>HMHA1-F</i>	AGATCGCCGTGTAATTCTAGAGCTGGGGTGGGGCTGGGA	Plasmid for 3' UTR luciferase reporter assays
<i>HMHA1-R</i>	GCCGGCCGCCCCGACTCTAGACGTGCCTGTGAAAGAACC	
<i>LRFN1-F</i>	AGATCGCCGTGTAATTCTAGATGGGTGCCGCAGACCAAAC	Plasmid for 3' UTR luciferase reporter assays
<i>LRFN1-R</i>	GCCGGCCGCCCCGACTCTAGATTCTGCTGCGGCGGAGGGT	

<i>H2AFX-F</i>	AGATCGCCGTGTAATTCTAGAAGGCCTCCCCATGCCACCA	Plasmid for 3' UTR luciferase reporter assays
<i>H2AFX-R</i>	GCCGGCCGCCCCGACTCTAGACCCCAATGCCTAAGGTTC	
<i>FOXD3-F</i>	AGATCGCCGTGTAATTCTAGAACGCGCCAATGGCCGGGA	Plasmid for 3' UTR luciferase reporter assays
<i>FOXD3-R</i>	GCCGGCCGCCCCGACTCTAGAGTTGTGTACAACACGATGG	
<i>ATF5-F</i>	AGATCGCCGTGTAATTCTAGAGGGCAGGGGTGTGGCTTCTG	Plasmid for 3' UTR luciferase reporter assays
<i>ATF5-R</i>	GCCGGCCGCCCCGACTCTAGAGCCAGAGGAAATGTTTCG	
miR-3648-F	GGTACCGCGGGCCCCGGGATCCGTGGGCTTCCCGGAGGGTT	Plasmid for 3' UTR luciferase reporter assays
miR-3648-R	AGTTATCTAGATCCGGTGGATCCAAGAGCGGGCCGGGAGAAG	
<i>CCND1-F</i>	ATCAAGTGTGACCCGGACTG	qRT-PCR
<i>CCND1-R</i>	CCTTGGGGTCCATGTTCTGC	
<i>β-catenin-F</i>	ACGAGCTGCTATGTTCCCTG	qRT-PCR
<i>β-catenin-R</i>	GATGGTTCAGCCAAACGCTG	
<i>c-Myc-F</i>	CCCTCCACTCGGAAGGACTA	qRT-PCR
<i>c-Myc-R</i>	GCTGGTGCATTTTCGGTTGT	
<i>TCF4-F</i>	CGACTTCCCCTGACCTGAAC	qRT-PCR
<i>TCF4-R</i>	CTCATCACCCCTCGTCATCGG	
<i>Actin-F</i>	TGACAGGATCGAGAAGGAGA	qRT-PCR
<i>Actin-R</i>	CGCTCAGGAGGAGCAATG	
miR-3648-F	CACGCAGCCGCGGGGAT	qRT-PCR
miR-3648-R	CCAGTGCAGGGTCCGAGGTA	
Pri-miR-3648-F	GTGGTCTCTCGTCTTCTC	qRT-PCR
Pri-miR-3648-R	ACGGACGCCTCGGGGAAG	
Scramble	A*A*A*G*U* ATCTGTAAAAGU *G*A*A*C*	Inhibitor for miR-3648
ant3648	C*C*C*U*C* GGCGATCCCCGC *G*G*C*U* Bold letters represent DNA sequence * represents 2'O methylation	