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LNZ308







Kouri_FigS5



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Direct 182-Target Genes



1. CDKN1A kinase Activated 2.127 1.91E-17	
transcription 2. TP53 regulator -0.448 2.93E-15	All 182
3. ERBB2 kinase Inhibited -3.196 9.08E-13	larget Gene dataset
4. TGFB1 growth factor Inhibited -4.628 2.45E-12	
5. HGF growth factor Inhibited -4.786 3.05E-10	
1. TGFB1 growth factor Inhibited -2.533 0.0000274	Direct 182 Target Gene

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Kouri_FigS7

			0.5	1.0	Threshold	2.0	2.5 .	.0 3	-	4.0	_
\longrightarrow	Cell Death and Survival										
-	Digestive System Development and Function						-				
	Organ Morphology										
	Cellular Movement										
	Cardiovascular System Development and Function										
	Cell-To-Cell Signaling and Interaction							-			
	Cellular Assembly and Organization										
	Cellular Function and Maintenance										
	Nervous System Development and Function										
	Tissue Development										
	Cellular Development		E.								
	Embryonic Development										
,	Organ Development					1	-				
						1					
	Renal and Urological System Development and Function										
	Organismal Functions					1					
	Tissue Morphology										
	Panroductive System Development and Eurotion						1				
	Call Morphology							4			
	Connective Tionus Development and Exection										
	Coll Ordio										
	Cellular Growth and Proliferation										
	Hair and Skin Development and Function										
	Hepatic System Development and Function										
	Lymphoid Tissue Structure and Development		2								
	Nucleic Acid Metabolism										
	Skeletal and Muscular System Development and Function										
	Small Molecule Biochemistry										
	Tumor Morphology						-				
	Visual System Development and Function										
	Carbohydrate Metabolism										
	Cellular Response to Therapeutics										
	Endocrine System Development and Function										
	Immune Cell Trafficking										
	Molecular Transport										
	Organismal Survival										
	Hematological System Development and Function										
	Amino Acid Metabolism										
	Cell Signaling	5. 5				1					
	Free Radical Scavenging										
	Drug Metabolism										
	Cell-mediated Immune Response										
	Hematopolesis										
	DNA Replication, Recombination, and Repair										
	Vitamin and Mineral Metabolism										
	Lipid Metabolism										
	Respiratory System Development and Function										
	Protein Synthesis										
	Gene Expression										
	Behavior										
	Auditory and Vestibular System Development and Function										
	RNA Post-Transcriptional Modification										
	Post-Translational Modification										





В



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HIF2A 3'-UTR (2043 bp)

hsa-miR-182 (414-421)					
		+ + + + +	+++		
	1000	0	2000 bp		
HIF2A 3'UTR	5′-3′	UCCUCGUUAU	UGUUGUUGCCAAA		
miR-182	3′-5	CACACUCAAG	AUGGUAACGGUUU		
00110011000		Hsa	UUGUUGCCAAAGAGA		
		Ptr	UUGUUGCCAAAGAGA		
		Mml	UUG <mark>UUGCCAAA</mark> GAGA		
		Mmu	UUGUUGCCAAAGAGA		
		Rno	UUGUUGCCAAAGAGA		
		Сро	UUGUUGCCAAAGAAA		
		Ocu	UUG <mark>UUGCCAA</mark> AGA		
		Sar	UGGUUGCCAAAGAGA		
		Cfa	UUGUUGCCAAAGAGA		
		Eca	UUCUUGCCAAAGAGA		

Conserved

microRNA	HIF2A 3'UTR	Seed	Context +
	position	Match	score
hsa-miR-182	414-421	8mer	-0.24

Poorly Conserved

microRNA	HIF2A 3'UTR	Seed	Context +
	position	Match	score
hsa-miR-182	1653-1660	8mer	-0.32

В

c-Met 3'-UTR (2262 bp)

hsa-miR-182 (91-98)						
	10	0.0	2000 bp			
c-Met 3'UTR	5'-3'	CGAUA				
miR-182 <i>consensus</i>	3′-5′	CACUC	AAGAUGGUAACGGUUU NUUUUUGCCAAAAAA			
		Hsa Ptr Mml Mmu Rno Cpo Ocu Sar Cfa	UC-UUG-CCAAAAUUGCA UC-UUG-CCAAAAUUGCA UC-UUG-CCAAAAUUGCA UU-UUG-CCAAAAUUGCA UU-UGG-CCAUAACUGCA UUA-UCAACAUUACA UUUUUG-CCAAAAUUGCA UU-UUG-UCAAAAUUGCA			

Conserved

microRNA	c-Met 3'UTR	Seed	Context +	
	position	Match	score	
hsa-miR-182	91-98	8mer	-0.35	

Poorly Conserved

microRNA	c-Met 3'UTR position	Seed Match	Context + score
hsa-miR-182	698-704	7mer-m8	-0.02
hsa-miR-182	1655-1661	7mer-m8	-0.11



