

شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلو

# بسم الله الرحمن الرحيم





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## جامعة عين شمس التوثيق الإلكتروني والميكروفيلم قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



MONA MAGHRABY



# The effect of Epitranscriptomic writer (METTL3) silencing on Hepatocellular carcinoma cell line

#### Thesis

Submitted for Partial Fulfillment of Master Degree in Medical Biochemistry and Molecular Biology

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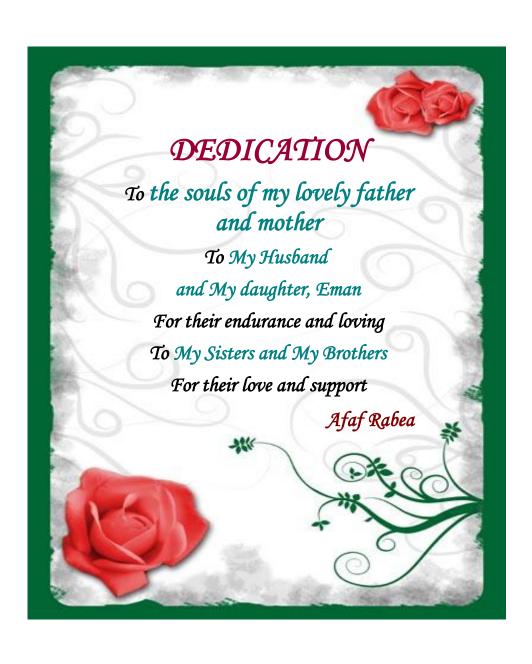
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### List of Abbreviations

Abb.	Full term
5'-UTR	5' untranslated regions
aa	
	S-adenosylhomocysteine
-	S-adenosylmethionine
	Alpha fetoprotein
AFP-L1	
AGO2	Argonaute 2
AJCC	American Joint Committee on Cancer
Akt	Protein kinase B
ALKBH5	$\alpha\text{-ketoglutarate-dependent}$ dioxygenase alkB homolog 5
AML	acute myloid leukemia
ANOVA	Analysis of Variance
ARID1A	AT-Rich Interaction Domain 1A
ARNT	aryl hydrocarbon receptor nuclear translocator
ATM	Ataxia telangiectasia mutated
AXIN1	axis inhibition protein 1
BCL9	B-cell /lymphoma 9 protein
BCLC	Barcelona Clinic Liver Cancer staging system
BLAST	Basic Local Alignment Search Tool
CCCH	Cys-Cys-His
CD147	functional lactate transporter
Cdk	Cyclin-dependent kinases
CDKN2A	cyclin-dependent kinase inhibitor 2A
cDNA	Complementary DNA
ceRNAs	competitive endogenous RNAs
CIN	chromosomal instability
	Cyclin dependent kinase inhibitory protein
cirRNA	Circular RNA

#### List of Abbreviations Cont.

Abb.	Full term
e-mye	. c-myelocytomatosis
•	. copy number alterations
	. Ganosine-Cytocine rich regions of the genome
_	Computed Tomography
CT	
	. Des-γ-Carboxyprothrombin
	Diethyl pyrocarbonate
	deleted in liver cancer 1
DMEM	. Dulbecco's Modified Eagle's Medium
	. DNA methyltransferases
	. Deoxy nucleotide triphosphate
dsDNA	. Double stranded DNA
dsRNA	. Double stranded RNA
<i>E2F</i>	. Eukaryotic transcription factor
E-cadherin	. epithelial cadherin
EDTA	. ethylene diamine tetra acetic acid
eEF2	. Eukaryotic elongation factor2
eIF3	. Eukaryotic initiation factor 3
EZH2	. enhancer of zeste homologue 2
FBS	. fetal bovine serum
FOXO3 gene	. Forkhead box O3 gene
FTO	. fat mass and obesity-associated protein
G0	. Growh phase 0 of cell cycle
G1	. Growth 1 phase
G2/M	. Growth2 / Mitotic phase of cell cycle
	. Golgi Protein-73
GPC3	· -
	. Glycosylphosphatidylinositol
GSCs	. glioblastoma stem cells