

Role of MicroRNA-7 and Selenoprotein P in Hepatocellular Carcinoma

Thesis

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LIST OF ABBREVIATIONS

ΔCt	Delta Threshold Cycle
AASLD	American Association for the Study of Liver Diseases
AF	Aflatoxin
AFP	α-fetoprotein
AGO	Argonaut
ALP	Alkaline phosphatase
ALT	Alanine transaminase
ANOVA	Analysis of variance
AST	Aspartate transaminase
AUC	Area under the curve
BCL2	B-cell lymphoma 2
BCLC	Barcelona Clinic Liver Cancer
Ca	Calcium
cDNA	Complementary DNA
CLD	Chronic liver disease
CLIP	Cancer of the Liver Italian Program
CLL	Chronic lymphocytic leukemia
Ct	Threshold Cycle
CV	Cell viability
DCP	Des-γ-carboxyprothrombin
DEPC	Diethylpyrocarbonate
DGCR8	DiGeorge syndrome critical region gene 8
DM	Diabetes mellitus
DNA	Deoxyribonucleic acid
dT	Deoxythymidine
EASL	European Association for the Study of the Liver

ELISA	Enzyme-linked immunosorbent assay
FN	False negative
FP	False positive
GPC-3	Glypican-3
GTP	Guanosine triphosphate
HBV	Hepatitis B virus
HBV-sAg	Hepatitis B virus surface antigen
HCC	Hepatocellular carcinoma
HCV	Hepatitis C virus
HCV-Ab	Hepatitis C virus antibodies
HIV	Human immunodeficiency virus
hr	Hour
HRP	Horseradish Peroxidase
IC50	Inhibitory concentration inducing 50% cell viability
kb	Kilobase
kDa	Kilodalton
Met	Methionine
min	Minute
miRNA	Microribonucleic acid
mRNA	Messenger ribonucleic acid
n	Number
NAFLD	Non alcoholic fatty liver disease
NaSe	Sodium selenite
NASH	Non alcoholic steatohepatitis
ncRNA	Non coding ribonucleic acid
NPV	Negative predictive value
nt	Nucleotide
°C	Centigrade

O.D	Optical density
p	Probability of being by chance value
PCR	Polymerase chain reaction
PPV	Positive predictive value
qRT-PCR	Quantitative reverse transcription polymerase chain reaction
r	Correlation coefficient
RISC	RNA-induced silencing complex
RNA	Ribonucleic acid
ROC	Receiver operating characteristic
ROS	Reactive oxygen species
rpm	Revolutions per minute
RQ	Relative quantification
RT	Reverse Transcription
SD	Standard deviation
Se	Selenium
Sec	Selenocysteine
SeMet	Selenomethionine
SeP	Selenoprotein P
SPSS	Statistical Package for Social Sciences
TE	Tris-EDTA
TMB	Tetramethylbenzidine
TN	True negative
TNM	Tumor, node, metastasis
TP	True positive
TRBP	Trans-activator RNA binding protein
TS	Tumor suppressor
UTR	Untranslated region

Introduction

