

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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لم ترد بالأصل



The Potential Role of the Long non-coding RNA MEG3 in Bronchial Asthma in Children

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سبحانك لا علم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

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List of Abbreviations

Abbr.	Full-term
5-LOX	: 5-lipoxygenase
ACTB	: Beta actin gene
AE-COP	: Acute exacerbation of chronic obstructive pulmonary disease
AHR	: airway hyperresponsiveness
ASM	: airway smooth muscle
BA	: Bronchial asthma
BACE1-AS	: BACE1 antisense RNA (non-protein coding)
BC200	: Brain cytoplasmic RNA
BSM	: Bronchial smooth muscle
CAD	: Coronary artery disease
cAMP	: Cyclic Adenosine Monophosphate
CD4	: Cluster Of Differentiation 4
CD8	: Cluster Of Differentiation 8
cDNA	: Complementary deoxy ribonucleic acid
CF	: Cystic fibrosis
COPD	: Chronic obstructive pulmonary disease
CREB	: cAMP-responsive element binding protein
CT	: Cycle threshold
DI	: Deep inspiration
DM	: Diabetes mellitus
DNA	: Deoxy ribonucleic acid
dNTP	: Deoxynucleoside Triphosphate
dsDNA	: Double stranded deoxy ribonucleic acid
dUTP	: Deoxy Uridine triphosphate
ER	: Endoplasmic Reticulum
FcεRI	: Fc epsilon R1, is the high-affinity receptor for the Fc region of ε heavy chain immunoglobulin E
FEV1	: Forced Expiratory Volume in 1 Second
FN	: False negative
FP	: False positive
FTT	: Failure to thrive

FVC	: Forced Vital Capacity
HB	: Hemoglobin
ICS	: Inhaled corticosteroids
IgE	: Immunoglobulin E
iNOS	: Induced nitric oxide synthase
kDa	: Kilo Dalton
LABA	: Long-acting beta-adrenoceptor agonists
LncRNA	: Long non coding RNA
MCs	: Mesangial cells
MDI	: Metered-Dose Inhaler
MDM2	: Mouse double minute 2 homolog
MEG3	: Maternally expressed gene 3
Mg	: Milligram
MI	: Myocardial infarction
miRNAs	: Micro RNAs
ml	: Milliliter
mRNA	: Messenger ribonucleic acid
Muc5B	: Mucin 5B, Oligomeric Mucus/Gel-Forming
NASH	: Nonalcoholic Steatohepatitis
Ng	: Nanogram
NIH	: National institutes of health
Nm	: Nanometer
NO	: Nitric oxide
NPV	: Negative predictive value
NSCLC	: Non-small-cell lung cancer
OD	: Optical density
oligo-dT	: Deoxythymine
P- Value	: Probability value
P53	: Protein of 53Kilo Dalton
PASMCs	: Pulmonary Artery Smooth Muscle Cells
PCR	: Polymerase chain reaction
Pg	: Picogram
piRNAs	: Piwi-interacting RNAs
PPV	: Positive predictive value
q-PCR	: Quantitative polymerase chain reaction
RBM	: Respiratory basement membrane

RNA	: Ribonucleic acid
ROC	: Receiver operating characteristics
ROS	: Reactive Oxygen Species
Rpm	: revolutions per minute
RQ	: Relative quantification
RT-PCR	: Reverse transcription polymerase chain reaction
SABA	: Short-acting beta2-adrenergic agonists
SD	: Standard deviation
siRNA	: Small interfering RNA
SNPs	: Single nucleotide polymorphisms
SPSS	: Statistical Package for the Social Sciences
TGF-β	: Transforming growth factor beta
TH0	: Naive t helper
Th2	: T helper cell 2
TN	: True negative
TNF-α	: Tumor necrosis factor
Treg	: T regulatory cells
WBC	: White blood cell
Wk	: Weeks
X	: Concentration power
Xg	: Times gravity
μl	: Microliter

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