

MEFV gene mutations frequency and their correlation in Familial Mediterranean fever severity

A Thesis

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By

Hanan Hassan Abbass Ibrahim

Supervisors

Prof. Dr. Fahmy T. Ali

Professor of Biochemistry

Faculty of Science

Ain Shams University

Dr. Mostafa M. El-Hady

Lecturer of Biochemistry

Faculty of Science

Ain Shams University

Dr. Abd Allah Y.Mandouh

Manager of Molecular Biology

and Cytogenetic department

Armed Forces central laboratories

and blood bank

Faculty of Science

Ain Shams University

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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&

To

My great mother

That no words can describe her effort,
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encouragement for me to be better.

&

To

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to be better.

DEDICATION

We must love them both, those whose opinions we share & those whose opinions we reject. For both labored in the search for the truth & both have helped us in the finding of it. Finally, over every lord of knowledge, there is one more knowing. Success comes when passion and talent are combined with a heavy dose of perseverance & a bit of luck.

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LIST OF ABBREVIATIONS

ANOVA	: Analysis of variance
Å	: Angstrom
ASC	: apoptosis-associated speck-like protein containing a CARD
AIDs	: Auto-Inflammatory Diseases
CARD	: caspase-recruitment domain
ASO	: Antistreptolysin O
ASO-PCR	: Allele specific oligonucleotide – polymerase chain reaction
BD	: Behcet's disease
bp	: base pair
CR	: Common reverse
CRP	: C-reactive protein
CV	: cardiovascular
DNA	: Deoxy-ribonucleic Acid
dNTP	: Deoxyribonucleoside triphosphate
EDTA	: Ethylene diamine tetra-acetic acid
ELE	: Erysipelas-Like Erythema
EBM	: Evidence Based Medicine
ELISA	: Enzyme-linked immunosorbent assay
EMG	: Electromyography
ESR	: Erythrocyte Sedimentation Rate
FMF	: Familial Mediterranean Fever
FIIND	: domain with function to find
FDA	: Food and Drug Administration
GFR	: Glomerular filtration rate
GN	: Glomerulonephritis
HSP	: Henoch-Schonlein purpura
IL- α	: Interleukin- alpha
IL-1 β	: Interleukin-1 β
IL-6	: Interleukin-6
IU	: International Unit
kDa	: Kilo Dalton
LAP	: Lymphadenopathy