

**APPLICATION of GENETIC ENGINEERING TECHNOLOGY  
to DETECT QUANTITATIVE TRAIT LOCI  
of ASCITES in BROILER  
CHICKS**

By

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B.Sc. Agric. Sc. (Poultry Production), Ain Shams University, 2008

**A thesis submitted in partial fulfillment  
of  
the requirements for the degree of**

**MASTER OF SCIENCE**

**in  
Agricultural Science  
(Poultry Breeding)**

**Department of Poultry Production  
Faculty of Agriculture  
Ain Shams University**

**2012**

**Approval Sheet**

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# **تطبيق تكنولوجيا الهندسة الوراثية للكشف عن مواقع الصفات الكمية لظاهرة الارتشاح البطنى فى دجاج اللحم**

رسالة مقدمة من

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بكالوريوس علوم زراعية (قسم إنتاج الدواجن)، جامعة عين شمس، 2008

للحصول على

**درجة الماجستير فى العلوم الزراعية**

**( تربية دواجن )**

قسم إنتاج الدواجن

كلية الزراعة

جامعة عين شمس

**2012**

صفحة الموافقة على الرسالة

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تاريخ المناقشة: 2012 / 5 / 8

جامعة عين شمس

كلية الزراعة

رسالة ماجستير

اسم الطالب : هشام احمد حسين حسين مدين  
عنوان الرسالة : تطبيق تكنولوجيا الهندسة الوراثية للكشف عن  
مواقع الصفات الكمية لظاهرة الارتشاح البطنى  
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الدراسات العليا

أجيزت الرسالة بتاريخ  
2012/ 5 / 8

ختم الإجازة

موافقة مجلس الجامعة

موافقة مجلس الكلية

2012/ /

2012/ /

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## LIST OF ABBREVIATION

ABBREVIATION	Mean
A	Adenine
A/G	Albumin to Globulin
AA	Arbor Acres
AFLP	Amplified Fragment Length Polymorphism
AIC	Ascites-Inducing Conditions
AS	Ascites Syndrome
AV	Avian
BW	Body Weight
C	Cytosine
COB	Cobb
DFP	DNA Fingerprinting
DNA	Deoxyribonucleic acid
FC	Feed consumption
FC / $\Delta$ wt	Feed conversion ratio(Index of feed consumption)
FCR	Feed consumption rate
G	Guanine
GLM	General Linear Model
GR	Growth Rate
HB	Hubbard
HCT	Hematocrit
ISSR	Inter-Simple Sequence Repeats
LPS	Lipopolysaccharide
LV	Left Ventricular
LV/TV	Left Ventricular/ Total Ventricular
MAS	Marker- Assisted Selection
MW	Molecular Weight
NCBI	National Centre of Biotechnology Information

<b>QTL</b>	Quantitative Trait Loci
<b>PAP</b>	Pulmonary Arterial Pressure
<b>PHS</b>	Pulmonary Hypertension Syndrome
<b>PCR</b>	Polymerase Chain Reaction
<b>Bp</b>	base pairs
<b>RAPD</b>	Random Amplified Polymorphic DNA
<b>RFLP</b>	Restriction Fragment Length Polymorphisms
<b>RV</b>	Right Ventricular
<b>RV%</b>	Right ventricular as a percentage of body weight
<b>RV/TV</b>	Right Ventricle to the total ventricular weight
<b>RVF</b>	Right Ventricular Failure
<b>RVH</b>	Right Ventricular Hypertrophy
<b>SA</b>	Survival Analysis
<b>SAS</b>	Statistical analyses
<b>SBS</b>	Sodium bisulfate
<b>SDS</b>	Sudden Death Syndrome
<b>SNP</b>	single nucleotide polymorphism
<b>SSR</b>	Simple Sequence Repeats
<b>T</b>	Thiamine
<b>TV</b>	Total Ventricular
<b>ΔWT</b>	Weight gain

## ACKNOWLEDGMENT

Firstly, I wish to express my prayerful thanks to **ALLAH** for everything.

My deepest gratitude and sincere thanks are extended to **Prof. Dr. A. Zein El-Dein** (Principle Supervisor), Professor of Poultry Breeding, Poultry Production Department, Faculty of Agriculture, Ain Shams University for his supervision, valuable advice, reviewing the manuscript and continues supporting during study.

Many thanks also due to **Dr. M. M. Fathi** Professor of Poultry Breeding, Poultry Production Department, Faculty of Agriculture, Ain Shams University on his supports, advice and interest.

I wish to express my sincere gratitude to **Dr. M. Y. Mahrous** lecture of Poultry Breeding, Poultry Production Department, Faculty of Agriculture, Ain Shams University for his supervision, encouragement, valuable advice, interest and remote revising the manuscript.

I deeply grateful and greatly indebted to **Prof. Dr. A. Galal** Professor of Poultry Breeding, Poultry Production Department, Faculty of Agriculture, Ain Shams University for his, interest, encouragement and valuable advice.

I would like to initiate display profuse thank to the members of my supervising committee **Prof. Dr. M. Dynary** Professor of Genetics, Genetics Department, Faculty of Agriculture, Tanta University.

I would also like to express thanks to **Dr. L. Radwan, MS. H. Assi, MS. M.Sh, Mr.G.N.Rayan, Mr.A.M.Sawy, Mr.A.M.Abdelmoniem** and all staff members of Poultry Production Department, Faculty of Agriculture, Ain Shams University.

Special thanks to my Parents for all things and all my Family for continuous support, encouragement and love.

Special thanks and deep gratefulness are due to **Miser Arabia hatchery Company** for supporting this and providing the chicks from four strains for free.

I would like to thank **Scientific Research Academy, Cairo Egypt**, on providing me a scholarship and financing me through Three years sharing with **Faculty of Agriculture, Ain Shams University**.

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