

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%



بعض الوثائـــق الإصليــة تالفــة



بالرسالة صفحات لم ترد بالإصل

The Phylogenetic Relations of Some Barley Species and Varieties

24.97

By

Taha Sayed Taha Hussein

B.Sc. Agric. (Genetics), Ain Shams Univ., 1983

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

Master of Science

in Agriculture (Genetics)

Department of Genetics Faculty of Agriculture Ain Shams University 1996



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Date of examination: / / 1996

Abstract

Taha Sayed Taha Hussein. The Phylogenetic Relations of Some Barley Species and Varieties. M.Sc. Ain Shams Univ. Agric. Fac. Genet. Dept. 1996.

Phylogenetic relationships among four *Hordeum* species namely *H. vulgare*, *H. murinum*, *H. marnium* and *H. spontaneum* were studied by useing total soluble protein, hordein protein and some isozymes electrophortic patterns. The protein electrophoretic patterns was more reliable in barley varieties and species identification, while hordein electrophortic pattern was more effective in barley varieties identification. Some isozymes such as Est, 6-Pgd, Adh, Idh and Acp were used in both barley varieties and species identification, whereas Per and Mdh were not effective for barley varieties and species identification.

Key words: Barley, Phylogenetic, Protein, Hrodein, Isozymes

Acknowledgment

The author is very much indebted and obliged to Dr. A. A. Tayel, Professor and Head Department of Genetics, Faculty of Agriculture, Ain Shams University, for his valuable help and kind encouragement, for reading and correcting the manuscript.

Grateful appreciation is also due to Dr. M. Abdel Salam Rashed, Professor of Genetics, Genetics Department, Faculty of Agriculture, Ain Shams University for suggesting the proplem, faithful encouragement and help during the progress of this study.

Thanks also to Dr. S. M. Soliman Head Research, Agriculture Research Center (ARC), for his supervision, valuable advice and kind encouragement.

Many thank to Dr. Gh. A. Gad El-Karim Senior Researcher, Biocomputing and Network Unit, Agriculture Genetic Engineering Research Institute, ARC, for analyzing and computing the denistometer of electrophorsis studies.