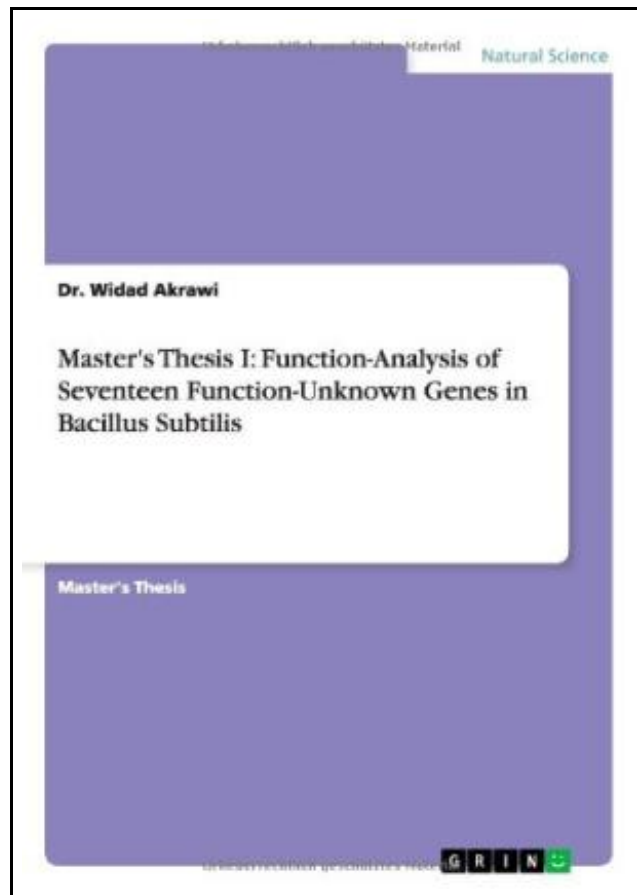


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Grin Verlag. Paperback. Book Condition: New. Paperback. 162 pages. Dimensions: 8.2in. x 5.8in. x 0.4in. Masters Thesis from the year 1998 in the subject Biology - Genetics Gene Technology, grade: 11 on 13-scale, - (Technical University of Denmark - Microbiology), language: Danish, comment: Widad Akrawi received her Masters degree in genetics and microbiology in 1999 from the Technical University of Denmark, which is the best technical University in Scandinavia and has been ranked the 5th in Europe and the 69th in the World. Her dissertation was part of the European Union-funded Bacillus Subtilis Genome Sequencing Project. In her Masters Thesis I, she analyzed the function and biological roles of 17 newly sequenced genes by selectively and specifically generating more than 40 bacterial strains with mutations in the 17 function-unknown genes. See also her Masters Thesis II. , abstract: Dette projekt handlede om en sekvens p 22, 62 kb, som indeholder 17 nyligt sekventeret gener i Bacillus subtilis, h. h. v. yut M, yut K, yut J, yut I, yut H, yut G, yut F, yut E, yut D, yut C, yunA, yun B, yunC, yunE, yunF, og yunG. Formlet med projektet var frst at mutagenisere disse ukendte gener, som skulle dernst analyseres og sammenlignes med vildtypen. Mutationerne blev udfrt ved at indfre plasmidet pMUTIN4 efter en standardiserede metode udviklet for B. Subtilis Genomprojektet. Der blev konstrueret over 56 stammer med defekter i 15 af de aktuelle gener. Stammerne indeholdte lacZ i starten af generne, hvilket muliggjorde at undersøge, hvornr generne blev udtrykt, ved blandt andet udpladning p LB-plader med og uden IPTG. Mutant stammerne blev dernst ved en southern blot analyse undersøgt for, om de havde en eller flere kopier af plasmidet inkorporeret p kromosomalt DNA. Southern blottet indikerede, at inkorporeringen af plasmidet var som nsket (en kopi) i 14...



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