H. Acknowledgments.

I wish to express my best thanks to Prof. Dr. Hans Lehrach who gave me the opportunity and the honour to work in his departments in London and in Berlin for almost four years.

I also wish to thank Dr. Erich Wanker for his guidance throughout this project and for his teaching how to be efficient in scientific research. He was a constant source of advice and motivation.

My heartfelt thanks also to Eberhard Scherzinger and Annie Sittler for their support and stimulating suggestions. I am also indebted to Renate Hasenbank and Rudi Lurz for their cooperation in this project.

However, the completion of this work would not have been possible without the warm support of friends and my family.

Danilo Tait

Berlin, October 1999