

CONTENTS

Preface		vii
Chapter 1	Mini-History of Map-Based Cloning in Arabidopsis <i>Takehide Kato, Masatsugu Toyota, Masao Tasaka and Miyo Terao Morita</i>	1
Chapter 2	Development and Analysis of CAPS Markers in Ferns <i>Yoko Yatabe-Kakugawa and Ryo Ootsuki</i>	21
Chapter 3	Application of CAPS Markers for Genomic Studies in Wild Emmer Wheat <i>Dina Raats, Elitsur Yaniv, Assaf Distelfeld, Roi Ben-David, Johanna Shanir, Valery Bocharova, Alan H. Schulman and Tzion Fahima</i>	31
Chapter 4	CAPS Markers in Breeding of Oil Crops <i>Dragana Miladinović, Ivana Imerovski, Aleksandra Dimitrijević and Siniša Jocić</i>	61
Chapter 5	CAPS Technology As a Tool for the Development of Genic and Functional Markers: Study in Peas <i>Stefano Pavan, Adalgisa Schiavulli, Concetta Lotti and Luigi Ricciardi</i>	83
Chapter 6	Application of CAPS Markers to the Mapping and Marker-Assisted Breeding of Genes for Resistance to Fusarium Wilt in the Tomato <i>Yvonne Gonzalez-Cendales, Huong T. T. Do, Ginny T. T. Lim, Des J. McGrath, Ann-Maree Catanzariti and David A. Jones</i>	91
Chapter 7	Development and Applications of CAPS Markers in Tomato Breeding: Successful Story about the OVATE Gene <i>Emidio Sabatini, Daniela Palma, Tommaso Ciriaci and Nazzareno Acciarri</i>	109

Chapter 8	Development of CAPS Markers and Their Use in Breeding of Ryegrasses and Related Species <i>Yuichi Miura</i>	125
Chapter 9	The Use of CAPS and dCAPS Markers in Marker-assisted Selection for Tobacco Breeding <i>Dandan Li, Yinguang Bao, Xia Wu, Anne Jack and Shengming Yang</i>	137
Chapter 10	Development of CAPS Markers and Its Use for Malting Barley Breeding <i>Takashi Iimure, Tian-su Zhou and Takehiro Hoki</i>	151
Chapter 11	Basic and Applied Research on Boehmeria (Ramie) Utilising CAPS Marker Technology <i>Ching-Ming Cheng and Pelle Stolt</i>	167
Chapter 12	Versatility of CAPS Markers: Agriculture and Forestry Applications <i>Rolando García-González, Cecilia Cordero Alday, Pablo Cáceres Ruz, Basilio Carrasco Gálvez, Ariel D. Arencibia Rodríguez, Miguel Berrios, Evelyn Villagra, Gloria González, Felipe Gordillo and Peter D. S. Caligari</i>	183
Chapter 13	Why Are the Development and Application of CAPS Markers so Different in Bread Wheat Compared to Barley? <i>Yuri Shavrukov</i>	211
Index		233