Record Nr. UNINA9910821507803321 Alternative pre-mRNA splicing: theory and protocols / / edited by **Titolo** Stefan Stamm, Chris Smith, and Reinhard Luhrmann Pubbl/distr/stampa Weinheim, Germany, : Wiley-Blackwell, c2012 **ISBN** 3-527-64798-8 1-283-43213-7 9786613432131 3-527-63677-3 Edizione [1st ed.] Descrizione fisica 1 online resource (662 p.) StammStefan Altri autori (Persone) **SmithChris** LuhrmannReinhard Disciplina 572.88 Soggetti Messenger RNA Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto pt. 1. Theory -- pt. 2. Basic methods -- pt. 3. Detection of splicing events -- pt. 4. Analysis of splicing in vitro -- pt. 5. Analysis of splicing in vivo -- pt. 6. Manipulation of splicing events -- pt. 7. Bioinformatic analysis of splicing. Sommario/riassunto This book was written for graduate and medical students, as well as clinicians and postdoctoral researchers. It describes the theory of alternative pre-mRNA splicing intwelve introductory chapters and then introduces protocols and their theoretical background relevant for experimental research. These 43 practical chapters cover: Basic methods, Detection of splicing events, Analysis of alternative premRNA splicing in vitro and in vivo. Manipulation of splicing events, and Bioinformatic analysis of alternative splicing. A theoretical introduction and practical guide for molecular biologi