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Nota di contenuto	Polyploidy in animal development and disease / Jennifer L. Bandura and Norman Zielke -- Large-scale programmed genome rearrangements in vertebrates / Jeremiah J. Smith -- Chromosome instability in stem cells / Paola Rebuzzini, Maurizio Zuccotti, Carlo Alberto Redi and Silvia Garagna -- Mechanisms of induced inheritable genome variation in flax / Christopher A Cullis -- Environmentally induced genome instability and its inheritance / Andrey Golubov -- The mitochondrial genome, genomic shifting and genomic conflict / Gregory G. Brown -- Plastid genome stability and repair / Eric Zampini, Sebastien Truche, Etienne Lepage, Samuel Tremblay-Belzile , and Normand Brisson -- RNA-mediated somatic genome rearrangement in ciliates / John R. Bracht -- Somatic genome instability in yeast and other fungi / Adrianna Skoneczna and Marek Skoneczny -- Genome variation in archaeans, bacteria, and asexually reproducing eukaryotes / Xiu-Qing Li -- RNA polyadenylation site regions : highly similar in base composition pattern but diverse in sequence : a combination ensuring similar function but avoiding repetitive-regions-related genomic instability / Xiu-Qing Li and Donglei Du -- Insulin signaling pathways in humans and plants / Xiu-Qing Li and Tim Xing -- Developmental variation in the nuclear genome primary sequence / Xiu-Qing Li -- Ploidy variation of the nuclear, chloroplast, and mitochondrial genomes in somatic cells

/ Xiu-Qing Li, Benoit Bizimungu, Guodong Zhang, and Huaijun Si --
Molecular mechanisms of somatic genome variation / Xiu-Qing Li --
Hypotheses for interpreting somatic genome variation / Xiu-Qing Li --
Impacts of somatic genome variation on genetic theories and breeding
concepts / Xiu-Qing Li -- Somatic genome variation : what it is and
what it means for agriculture and human health / Xiu-Qing Li.
