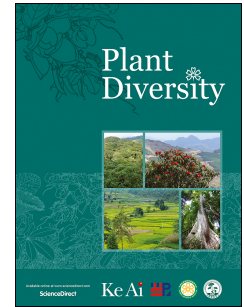


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Plant phylogenomics based on genome-partitioning strategies: progress and prospects

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17

18 **Abstract**

19 The rapid expansion of next-generation sequencing (NGS) has generated a powerful array of
20 approaches to address fundamental questions in biology. Several genome-partitioning strategies
21 to sequence selected subsets of the genome have emerged in the fields of phylogenomics and
22 evolutionary genomics. In this review, we summarize the applications, advantages and limitations
23 of four NGS-based genome-partitioning approaches in plant phylogenomics: genome skimming,
24 transcriptome sequencing (RNA-seq), restriction site associated DNA sequencing (RAD-Seq),
25 and targeted capture (Hyb-seq). Of these four genome-partitioning approaches, targeted capture

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