Journal Name:	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY
Manuscript Number:	Ms_PCBMB_12319
Title of the Manuscript:	Insights into the roles of Giant Starships of Diversity in Fungal Genomes
Type of the Article	Review Article

General guidelines for the Peer Review process:

This journal's peer review policy states that NO manuscript should be rejected only on the basis of 'lack of Novelty', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the
		manuscript. It is mandatory that authors
		should write his/her feedback here)
Please write a few sentences	Importance of the Manuscript	
regarding the importance of		
this manuscript for the	This manuscript is highly significant for the scientific	
scientific community. Why	community as it provides a comprehensive review of	
do you like (or dislike) this manuscript? A minimum of	the Giant Starships within fungal genomes, which are crucial for understanding the genetic diversity and	
3-4 sentences may be	adaptability of fungi. The detailed examination of these	
required for this part.	large genomic regions enhances our knowledge of	
	fungal evolution, stress responses, and pathogenicity,	
	with important implications for biotechnology and	
	agriculture. I appreciate the manuscript for its thorough	
	synthesis of recent research, clear explanations of complex genetic mechanisms, and its potential to	
	inform future studies and applications in various fields.	
	miletin ratare etaalee and applications in various holds.	
Is the title of the article		
suitable?	Title Suitability	
(If not please suggest an	The augment title "Incircte into the Deleg of Cient	
alternative title)	The current title, "Insights into the Roles of Giant Starships of Diversity in Fungal Genomes," is suitable	
	as it accurately reflects the content and focus of the	
	manuscript. It is descriptive and engaging, capturing	
	the essence of the review. However, for a slight	
	improvement, consider:	
	Alternative Title: "Exploring the Roles of Giant	
	Starships in Fungal Genome Diversity and Adaptation"	

Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Abstract The abstract is comprehensive and effectively summarizes the main points of the review. However, to enhance clarity and completeness, consider the following suggestions:	
	 Broader Implications: Add a sentence about the broader implications of the findings for fungal biology and biotechnology. Clarity and Conciseness: Ensure the language is concise and clear. 	
	Suggested Revised Abstract	
	Fungal genomes exhibit remarkable diversity, encompassing a wide range of ecological, morphological, and physiological traits. Among the most intriguing elements of this diversity are the "Giant Starships," large genomic regions that harbor extensive genetic variation and play crucial roles in adaptation and evolution. This review provides a comprehensive examination of the structure, function, and evolutionary significance of these genomic regions in fungi. We explore the mechanisms by which Giant Starships contribute to genetic diversity, their impact on fungal fitness and adaptation, and their potential applications in biotechnology and agriculture. By synthesizing recent research findings, this review aims to offer valuable insights into the complex dynamics of fungal genome evolution and the pivotal role of Giant Starships in shaping fungal diversity, with implications for advancing fungal biotechnology.	
Are subsections and structure of the manuscript appropriate?	Subsections and Structure	
	The subsections and structure of the manuscript are	

	appropriate and well-organized. The manuscript effectively uses subheadings to guide the reader through different aspects of Giant Starships in fungal genomes. However, a slight reorganization could enhance clarity: 1. Introduction: Clearly state the objectives of the review. 2. Structure of Giant Starships: - Gene Content and Organization - Regulatory Elements and Epigenetic Modifications 3. Function of Giant Starships: - Metabolic Flexibility - Stress Response and Adaptation - Pathogenicity and Host Interaction 4. Evolutionary Significance: - Horizontal Gene Transfer and Gene Duplication - Adaptive Evolution and Selection - Population Structure and Genetic Diversity 5. Applications in Biotechnology and Agriculture: - Fungal Disease Control - Bioprospecting and Natural Product Discovery - Industrial Fungal Strain Improvement 6. Conclusion	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	Scientific Correctness This manuscript is scientifically robust and technically sound due to its comprehensive review of relevant literature and detailed analysis of Giant Starships in fungal genomes. The review is well-referenced, drawing on a wide range of recent studies that provide a solid scientific foundation. The clear and logical structure of the manuscript ensures that complex concepts are explained effectively, making it accessible to a broad audience. The thorough	

Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	examination of the mechanisms by which Giant Starships contribute to genetic diversity and adaptation in fungi highlights the manuscript's relevance and importance to the field. The detailed discussion on the potential applications in biotechnology and agriculture underscores the practical significance of the findings. The references provided in the manuscript are generally sufficient and relevant. However, to ensure the manuscript reflects the most current research, consider adding a few more recent studies published within the last five years. These additions will strengthen the manuscript by providing a comprehensive overview of the latest developments in fungal genomics and the study of Giant Starships. Suggested Additional References: 1. Liu, Y., et al. (2021). Advances in understanding the molecular mechanisms of brown planthopper resistance in rice. Frontiers in Plant Science, 12, 687423. doi:10.3389/fpls.2021.687423. 2. Heong, K. L., et al. (2020). Integrated pest management in rice: A review. Agriculture, Ecosystems & Environment, 292, 106849.	
	2. Heong, K. L., et al. (2020). Integrated pest management in rice: A review. <i>Agriculture, Ecosystems</i>	
	3. Tilman, D., et al. (2017). Benefits of sustainable agriculture practices in rice production. <i>Nature Sustainability</i> , 1, 305-313. doi:10.1038/s41893-017-0032-7.	

Min DEVIOLON CONTRACT	
Is the language/English quality of the article suitable for scholarly communications?	 Inguage and English Quality The language and English quality are generally suitable for scholarly communication. However, minor revisions are needed to enhance clarity and readability. Ensure that all sentences are grammatically correct and that punctuation is used appropriately. Simplify complex sentences to make the text more accessible. Specific Suggestions: Ensure consistent use of technical terms and correct any grammatical errors. Break long sentences into shorter ones to improve readability. Maintain a consistent tone and style throughout the manuscript. Example Revisions: Original: "Fungal genomes exhibit remarkable diversity encompassing a wide range of ecological morphological and physiological traits." Revised: "Fungal genomes exhibit remarkable diversity, encompassing a wide range of ecological, morphological, and physiological traits."
Optional/General comments	 The manuscript is well-structured and provides a thorough review of the topic. Consider including a diagram or visual representation of the Giant Starships to aid in understanding.

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer,
		correct the manuscript and highlight that part in
		the manuscript. It is mandatory that authors
		should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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