

SDI Review Form 1.6

| Journal Name: | Current Journal of Applied Science and Technology |
|--------------------------|---|
| Manuscript Number: | Ms_CJAST_49208 |
| Title of the Manuscript: | RNA Interference: A versatile tool for Functional Genomics and unraveling the genes required for viral disease resistance |
| Type of the Article | Review Article |

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

nce in plants



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PART 1: Review Comments

| Compulsory: REVISION comments Line 3, Review title should be in sentence case (functional genomics) Line 34; Over the years] Line 36 and 36 receiver the years] Line 35 and 36 receiver the years] Line 35; Precisit era of biotechnologists not clear Line 36; Precisit era of biotechnologists not clear Line 107 overhang at 3° end Line 107 overhang at 3° end Line 114 in Discophila Line 115; Discophila Line 115; Discophila Fundeoide 3° worklang Line 114 in Discophila Line 120 worklow been nice you give example(s) of mammals that encode only one Disce gene Line 282; Discophila should be tail2od Line 282; Discophila should be tail2od Line 309 - 312 not clear and as such, recast Line 309 - 312 not clear and as such, recast Line 309 - 312 not clear and as such, recast Line 309 - 300; kindly recast Line 520; subheading should not be abbreviated; VIGS in full Line 57: scample of plant resistance where VIGS has been used Line 57: scample of plant resistance where VIGS has been used Line 57: scample of plant resistance where VIGS has been used Line 57: scample of plant resistance where VIGS has been used Line 57: scample of plant resistance where VIGS has been used Line 57: scample of plant resistance where VIGS has been used Line 57: scample of plant resistance where view to identify more area(s) to be explore with this technique | | Reviewer's comment | Author's comment (if agree |
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| Compulsory REVISION comments Line 3, Review title should be in sentence case (functional genomics) Line 33 and 36 recast Line 33 and 36 recast Line 41: Over the years] Line 30 on 16 post-transcriptional Line 47: 00 nite theme of above concepti Line 47: 00 nite theme of above concepti Line 47: 00 nite theme of above concepti Line 30 not comprehensively written, recast Line 81: 08 80 not comprehensively written, recast Line 100 post-transcriptional Line 101: Diper2 is used for siRNA tracking Line 102: Diper2 is used for siRNA tracking kindly effect Line 102: Writtentates The write up under this sub heading; RISC: At the Core of RNA interference should be revisited for better comprehensive work. Line 220: Discophila Anot the work own. Line 230: and the site of the site o | | | highlight that part in the man his/her feedback here) |
| Line 270: it would have been nice you give example(s) of mammals that encode only one Dicer gene Line 282: Drosophila should be italized Line 286: Argonaute proteins are highly rich in basic amino acids, give examples Line 309–312 not clear and as such, recast Line 339-400: kindly recast Line 339-400: kindly recast Line 34415: there is disconnection within the sentence. Check and correct as appropriate Line 522 meaning of -UTR Line 525 recast Line 525 recast Line 530: subheading should not be abbreviated; VIGS in full Line 573: example of plant resistance where VIGS has been used Line 625-633 recast Lthough the concluding section is emcompassing, there is a break and as such author should kindly review the write up. I would suggest that author should add recommendation regarding this topic with a view to identify more area(s) to be explore with this technique | Compulsory REVISION comments | Line 14; Over the years, Line 35 and 36 recast Line 40: the event of post-transcriptional Line 47; On the theme of above concept, Line 50; Recast era of biotechnologists not clear Line 81 to 88 not comprehensively written, recast Line 97 to 99. Rephrase Line 107 overhang at 3' end, Line 108: binding the 2 nucleotide 3' overhang Line 114 in <i>Drosophila</i> , Line 115 Dicer 2 is used for siRNA tracking kindly effect Line 123 vertebrates' | |
| Dicer gene Line 282: Drosophila should be italized Line 286: Argonaute proteins are highly rich in basic amino acids, give examples Line 309 – 312 not clear and as such, recast Line 339-400: kindly recast Line 339-400: kindly recast Line 8-415: there is disconnection within the sentence. Check and correct as appropriate Line 522 meaning of – UTR Line 525-529 recast Line 530: subheading should not be abbreviated; VIGS in full Line 573: example of plant resistance where VIGS has been used Line 625-633 recast Line 625-633 recast Line 025-633 recast Line 025-63 | | revisited for better comprehensive work. | |
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| Optional/General comments | |
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PART 2:

| | | Author's comment (if agreed highlight that part in the manus 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:

| Name: | Eremwanarue, Aibuedefe Osagie |
|----------------------------------|-------------------------------|
| Department, University & Country | University of Benin, Nigeria |

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