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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Virology

ESPS manuscript NO: 28011

Title: Expression of hepatitis B virus surface antigens induces defective gonad phenotypes in Caenorhabditis elegans

Reviewer's code: 00503630

Reviewer's country: United States

Science editor: Fang-Fang Ji

Date sent for review: 2016-06-27 17:12

Date reviewed: 2016-08-04 20:17

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

I would like to see a different control that expresses some "nontoxic" protein to fairly high levels in the 2nd cistron. If you can do that then I think this is a great paper and a real contribution to the field. The writing is pretty clear.



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Virology

ESPS manuscript NO: 28011

Title: Expression of hepatitis B virus surface antigens induces defective gonad phenotypes in Caenorhabditis elegans

Reviewer’s code: 00503977

Reviewer’s country: Argentina

Science editor: Fang-Fang Ji

Date sent for review: 2016-06-27 17:12

Date reviewed: 2016-08-17 18:10

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The paper Expression of HBV surface antigens induces defective gonad phenotypes in Caenorhabditis elegans described an useful platform for protein-protein interaction, specially in the viral-host frame. The paper is well written, but should be carefully reviewed because it have some mistakes. Examples: Page 5, line 6 Revise the use of word “fulminate”. I think that the correct is “fulminant” Page 5, line 25 Revise this part of the phrase “... interaction of HBx and CED-9, a human homolog of BCL-2.”. It is not better to say: a homologue of human Bcl-2? Page 6, line 17 Change “excited” by “excised”

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Virology

ESPS manuscript NO: 28011

Title: Expression of hepatitis B virus surface antigens induces defective gonad phenotypes in *Caenorhabditis elegans*

Reviewer's code: 00069340

Reviewer's country: China

Science editor: Fang-Fang Ji

Date sent for review: 2016-06-27 17:12

Date reviewed: 2016-06-28 21:40

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The authors constructed 3 plasmids that were able to express the large, middle, and small forms of HBsAg (LHBsAg, MHBsAg, and SHBsAg, respectively) driven by a fib-1 and 3 plasmids that were able to express SHBsAg driven by different tissue-specific promoters and microinjected these plasmids into *C. Elegans*, demonstrating that SHBsAg can induce observable phenotypes. This work is interesting and may have provided a new platform for studying the pathogenesis of HBV and other viruses. The paper is well organized and the findings were clearly presented. "fulminate hepatitis" may be replaced by "fulminant hepatitis".