



Corrigendum: Role of HK2 in the Enzootic Cycle of *Borrelia burgdorferi*

Qiang Liu^{1,2}, Haijun Xu³, Yan Zhang^{1,2,4}, Jing Yang^{1,2}, Jimei Du¹, Yan Zhou¹,
X. Frank Yang^{2*} and Yongliang Lou^{1*}

¹ Wenzhou Key Laboratory of Sanitary Microbiology, Key Laboratory of Laboratory Medicine, Ministry of Education, School of Laboratory Medicine and Life Sciences, Wenzhou Medical University, Wenzhou, China, ² Department of Microbiology and Immunology, Indiana University School of Medicine, Indianapolis, IN, United States, ³ State Key Laboratory of Rice Biology and Ministry of Agriculture Key Laboratory of Agricultural Entomology, Institute of Insect Sciences, Zhejiang University, Hangzhou, China, ⁴ Optometry and Eye Hospital and School of Ophthalmology, School of Biomedical Engineering, Wenzhou Medical University, Wenzhou, China

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Ying Zhang,
Zhejiang University, China

*Correspondence:

X. Frank Yang
xfyang@iu.edu
Yongliang Lou
lyl@wmu.edu.cn

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A Corrigendum on

Role of HK2 in the Enzootic Cycle of *Borrelia burgdorferi*

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In the original article, there was a mistake in **Figure 5** as published. Due to an error in compiling multi-panel images, a gap between the image of “B31-A3” and the image of “B31A3/flaBp-HD-GYP; B31A3/flaBp-hk2” was omitted. In this figure, unphosphorylated Rrp2 (lower lane) serves as an internal control for each sample. Overproduction of an unrelated protein HD-GYP (B31A3/flaBp-HD-GYP) serves as the negative control for overproduction of Hk2 (B31A3/flaBp-hk2), showing a reduction of Rrp2 phosphorylation by overexpression of Hk2. The corrected **Figure 5** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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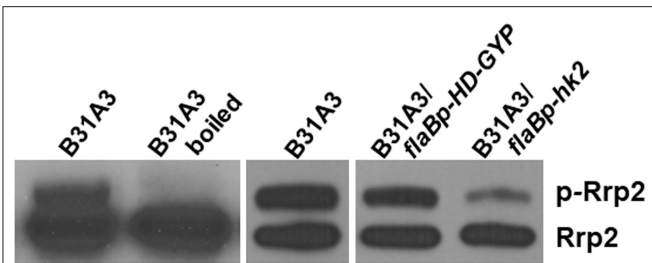


FIGURE 5 | Overexpressing HK2 reduces the level of phosphorylated Rrp2 in *B. burgdorferi*. Phos-tag SDS-PAGE and immunoblotting was used to detect both phosphorylated and dephosphorylated Rrp2 in the cell. Wild-type *B. burgdorferi* B31A3, B31A3 carrying a shuttle vector harboring an unrelated protein HD-GYP (B31A3/*flaBp-HD-GYP*), or B31A3 carrying a shuttle vector harboring a *hk2* gene driven by a *flaB* promoter GYP (B31A3/*flaBp-hk2*), were harvested at mid-log phase and cell lysates were prepared and separated on 7.5% SDS-PAGE containing 0, 5, 10, and 25 μ M Phos-tag followed by immunoblotting using anti-Rrp2 antibody. p-Rrp2, the band corresponds to phosphorylated Rrp2. As an unphosphorylated Rrp2 control, B31A3 was also treated by boiling (lane 2) prior to Phos-tag SDS-PAGE (Rrp2 phosphorylation is unstable and sensitive to heat).