

RETRACTION

Retraction: Up-Regulation of MiR-300 Promotes Proliferation and Invasion of Osteosarcoma by Targeting BRD7

The PLOS ONE Editors

Following the publication of this article [1], similarities were noted between this article and articles submitted by other research groups, including [2–10], of which one article [10] was previously retracted [11].

Similarities included the following figures, which appear to fully or partially overlap, despite being published in different articles and representing different conditions:

- BRD7 panel in Fig 5D of [1] in grayscale, and the pCDNA-PAQR3 scramble panel in Fig 5E of [7].
- BRD7 panel in Fig 4C of [1], L1CAM panel in Fig 4D of [4], WASF3 panel in Fig 3D of [5], and PAQR3 panel in Fig 4D of [7].

The corresponding author did not comment on the above concerns. They provided data files which did not appear to contain the full raw data underlying the published figures. The concerns regarding the similarities between this article [1] and others [2–10] remain unresolved.

The unresolved concerns call into question the validity and provenance of the reported results, and the adherence of this article to the PLOS Authorship policy. Therefore, the PLOS ONE Editors retract this article [1].

In response to the retraction decision, all authors either did not respond directly or could not be reached.



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References

1. Xue Z, Zhao J, Niu L, An G, Guo Y, Ni L (2015) Up-Regulation of MiR-300 Promotes Proliferation and Invasion of Osteosarcoma by Targeting BRD7. PLoS ONE 10(5): e0127682. <https://doi.org/10.1371/journal.pone.0127682> PMID: 26010572
2. Shen J, Niu W, Zhou M, Zhang H, Ma J, Wang L, et al. (2014) MicroRNA-410 Suppresses Migration and Invasion by Targeting MDM2 in Gastric Cancer. PLoS ONE 9(8): e104510. <https://doi.org/10.1371/journal.pone.0104510> PMID: 25136862
3. Xu N, Li Z, Yu Z, Yan F, Liu Y, Lu X, et al. (2014) MicroRNA-33b Suppresses Migration and Invasion by Targeting c-Myc in Osteosarcoma Cells. PLoS ONE 9(12): e115300. <https://doi.org/10.1371/journal.pone.0115300> PMID: 25546234
4. Chong Y, Zhang J, Guo X, Li G, Zhang S, Li C, et al. (2014) MicroRNA-503 Acts as a Tumor Suppressor in Osteosarcoma by Targeting L1CAM. PLoS ONE 9(12): e114585. <https://doi.org/10.1371/journal.pone.0114585> PMID: 25536034
5. Shen L, Wang P, Yang J, Li X (2014) MicroRNA-217 Regulates WASF3 Expression and Suppresses Tumor Growth and Metastasis in Osteosarcoma. PLoS ONE 9(10): e109138. <https://doi.org/10.1371/journal.pone.0109138> PMID: 25289936
6. Niu G, Li B, Sun L, An C (2015) MicroRNA-153 Inhibits Osteosarcoma Cells Proliferation and Invasion by Targeting TGF- β 2. PLoS ONE 10(3): e0119225. <https://doi.org/10.1371/journal.pone.0119225> PMID: 25793604

7. Xiu Y, Liu Z, Xia S, Jin C, Yin H, Zhao W, et al. (2014) MicroRNA-137 Upregulation Increases Bladder Cancer Cell Proliferation and Invasion by Targeting PAQR3. *PLoS ONE* 9(10): e109734. <https://doi.org/10.1371/journal.pone.0109734> PMID: 25330156
8. Wang H, Yan C, Shi X, Zheng J, Deng L, Yang L, et al. MicroRNA-575 targets BLID to promote growth and invasion of non-small cell lung cancer cells. *FEBS Letters* 589 (2015) 805–811. <https://doi.org/10.1016/j.febslet.2015.02.013> PMID: 25728273
9. Qian K, Mao B, Zhang W, Chen H. (2016). MicroRNA-561 inhibits gastric cancer cell proliferation and invasion by downregulating c-Myc expression. *American journal of translational research*, 8(9), 3802–3811. PMID: 27725860
10. Chen G, Lu L, Liu C, Shan L, Yuan D (2015) MicroRNA-377 Suppresses Cell Proliferation and Invasion by Inhibiting TIAM1 Expression in Hepatocellular Carcinoma. *PLoS ONE* 10(3): e0117714. <https://doi.org/10.1371/journal.pone.0117714> PMID: 25739101
11. The *PLOS ONE* Editors (2022) Retraction: MicroRNA-377 Suppresses Cell Proliferation and Invasion by Inhibiting TIAM1 Expression in Hepatocellular Carcinoma. *PLoS ONE* 17(3): e0266302. <https://doi.org/10.1371/journal.pone.0266302> PMID: 35325011