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Retraction notice

Retraction notice to "MarTrack: A versatile toolbox of mariner transposon derivatives used for functional genetic analysis of bacterial genomes" [Microbiological Research 219 (2019) 84–93]



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This article has been retracted: please see Elsevier Policy on Article Withdrawal (<https://www.elsevier.com/about/our-business/policies/article-withdrawal>).

This article has been retracted at the request of the authors. After carefully rechecking the strains used for Figures 4b-e and 5, it was noticed that the complementing strain Δ esrR+ was wrong and inappropriately used. Although the phenotypes of the deletion mutant strain as well as the transposon insertion mutant were consistent, the authors could not obtain the expected wild-type level of T3SS

expression and production with the reconstructed Δ esrR+ strain. Thus it cannot be concluded that ETAE_2184 (EsrR) is the bona fide regulator of the virulence gene expression. There exists the possibility of a polar effect, i.e. the neighboring ETAE_2185 being the real virulence regulator for T3SS expression, or other unknown mechanism through which esrR modulates virulence in *E. piscicida*. In order to avoid any inconvenience or misleading conclusions in the future, the authors decided to retract the paper and the Editor-in-Chief approved this decision. The authors wish to apologize for any inconvenience caused.

DOI of original article: <https://doi.org/10.1016/j.micres.2018.11.008>

<https://doi.org/10.1016/j.micres.2019.02.003>