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Dear Dr. Marszalek,

Thank you for the opportunity to resubmit a revised manuscript **SREP-19-33472**, “OutPredict: multiple datasets can improve prediction of expression and inference of causality” by Cirrone et al. We appreciate your continued interest in our work and believe that the enhancements and analyses we performed following the reviewers’ suggestions address their major concerns related to important methodological details and have improved the overall quality and impact of this study.

We thank the reviewers for their time and comments on our manuscript. We have addressed the editorial requests and reviewer comments in this resubmission.

Our response to reviewers is provided in the document titled Response to Referees Letter.

We address the reviewers’ comments in a point-by-point manner, which is included along with the revised manuscript.

In addition to depositing OutPredict on github we have also archived a version of the tool used in the paper in a DOI-minting repository with zenodo: DOI 10.5281/zenodo.3611488

With the additional technical details, data and new analyses, we are confident that the approaches will be of interest to the broad readership of Scientific Reports, specifically those studying causality networks in any biological system.

Thank you again for interest and consideration of our revised manuscript.

Sincerely,

Dennis Shasha