nature metabolism

SUPPLEMENTARY INFORMATION

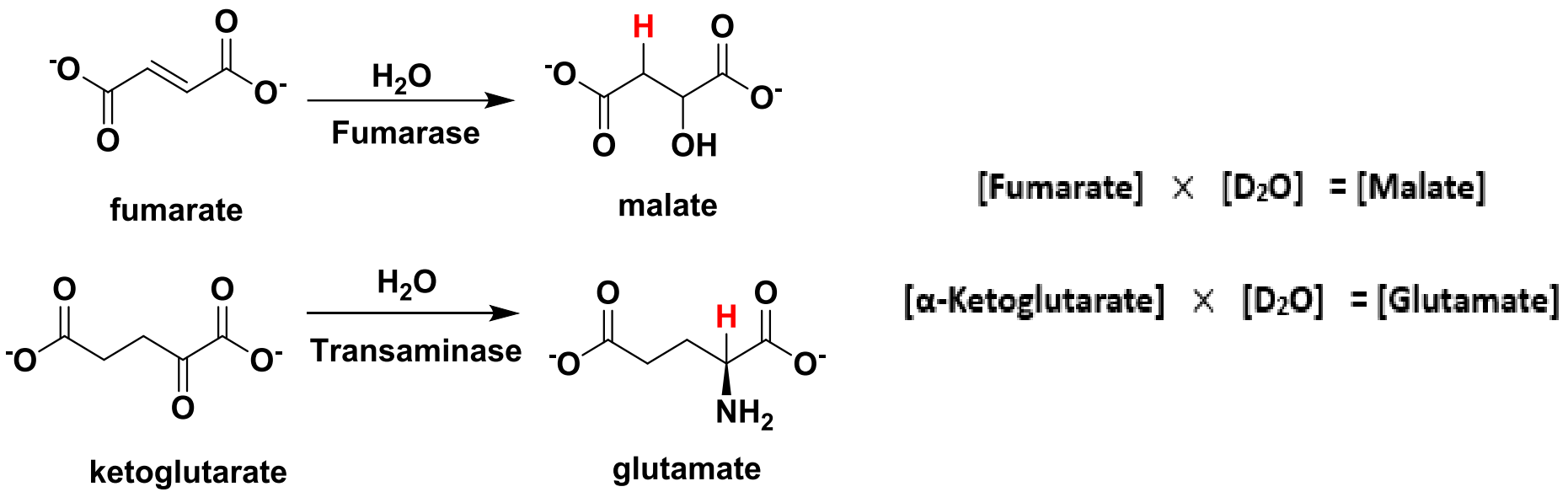
https://doi.org/10.1038/s42255-020-0222-9

In the format provided by the authors and unedited.

The small intestine shields the liver from fructose-induced steatosis

Cholsoon Jang[1,4,5]✉, Shogo Wada[2,5], Steven Yang[2], Bridget Gosis[2], Xianfeng Zeng[1], Zhaoyue Zhang[1], Yihui Shen[1], Gina Lee[3], Zoltan Arany[2]✉ and Joshua D. Rabinowitz[1]✉

[1]Department of Chemistry and Lewis-Sigler Institute for Integrative Genomics, Princeton University, Princeton, NJ, USA. [2]Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA. [3]Meyer Cancer Center and Department of Pharmacology, Weill Cornell Medicine, New York, NY, USA. [4]Present address: Department of Biological Chemistry, University of California, Irvine, Irvine, CA, USA. [5]These authors contributed equally: Cholsoon Jang, Shogo Wada. ✉e-mail: choljang@uci.edu; zarany@mail.med.upenn.edu; joshr@princeton.edu



Supplementary Figure. After D_2O administration into mice, circulating water fractional deuterium enrichment was determined based on labeling of soluble metabolites pairs (malate-fumarate; glutamate-ketoglutarate).