

Supplementary figures

HMGCS2 is a key ketogenic enzyme potentially involved in Type 1 diabetes with high cardiovascular risk.

Sanket Kumar Shukla^{1a}, Weijing Liu^{1b}, Kunal Sikder^a, Sankar Addya^c, Amrita Sarkar^a, Yidong Wei^d, Khadija Rafiq^{a*}

Department of Medicine, Center of Translational Medicine, Thomas Jefferson University, Philadelphia, PA-19107, USA. ^a

Internal Medicine-Cardiovascular Department, Shanghai Tenth People's Hospital Middle of Yanchang Road, Zhabei district, Shanghai, China. ^b

Kimmel Cancer Centre, Thomas Jefferson University, Philadelphia, PA-19107, USA. ^c

Department of Cardiology, Shanghai Tenth People's Hospital of Tongji University 301 Yanchang Road, Shanghai, China. ^d

*** Corresponding author**

Khadija Rafiq, PhD

Assistant Professor

Center for Translational Medicine, Department of Medicine

Thomas Jefferson University, Rm 543A Jefferson Alumni Hall

1020 Locust Street

Philadelphia, PA 19107

215-503-5593

Khadija.Rafiq@jefferson.edu

Figure S1: The 2nd most top network, with an IPA score of 7. Cellular Development, Hematological System Development and Function, Hematopoiesis

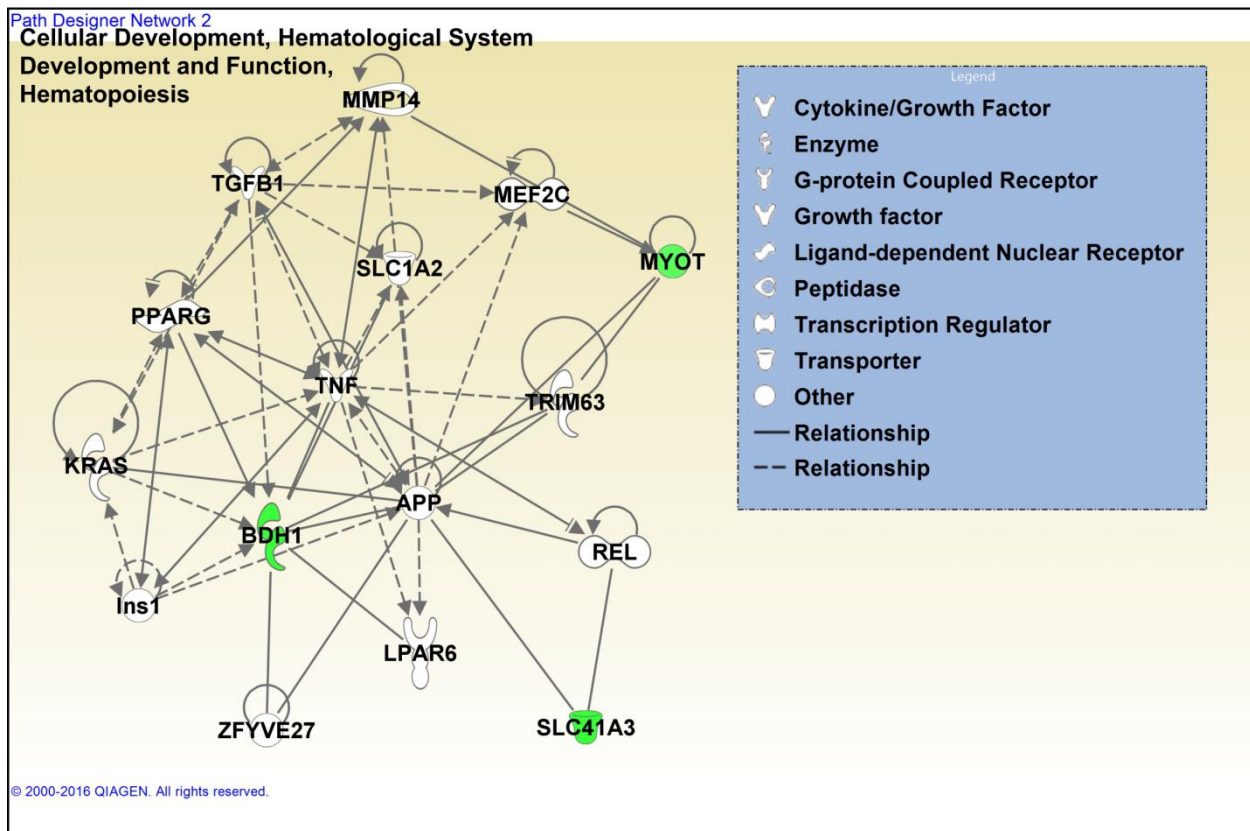


Figure S2: β -hydroxy butyrate level (ketone bodies) in serum sample of mice model.

