

Supplementary Data

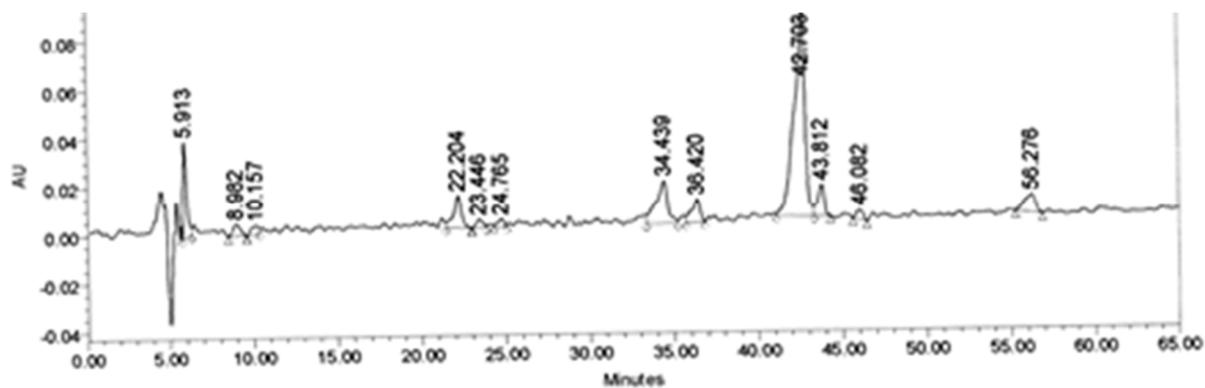


Figure S1. HPLC chromatogram of the mixture of mycosubtilin produced by *B. subtilis* ATCC 6633. Mycosubtilins were identified according to their retention time: mycosubtilin *iso*-C16 (34.439 min), mycosubtilin *n*-C16 (36.420 min), mycosubtilin *anteiso*-C17 (42.703 min) and mycosubtilin *iso*-C17 (43.812 min).

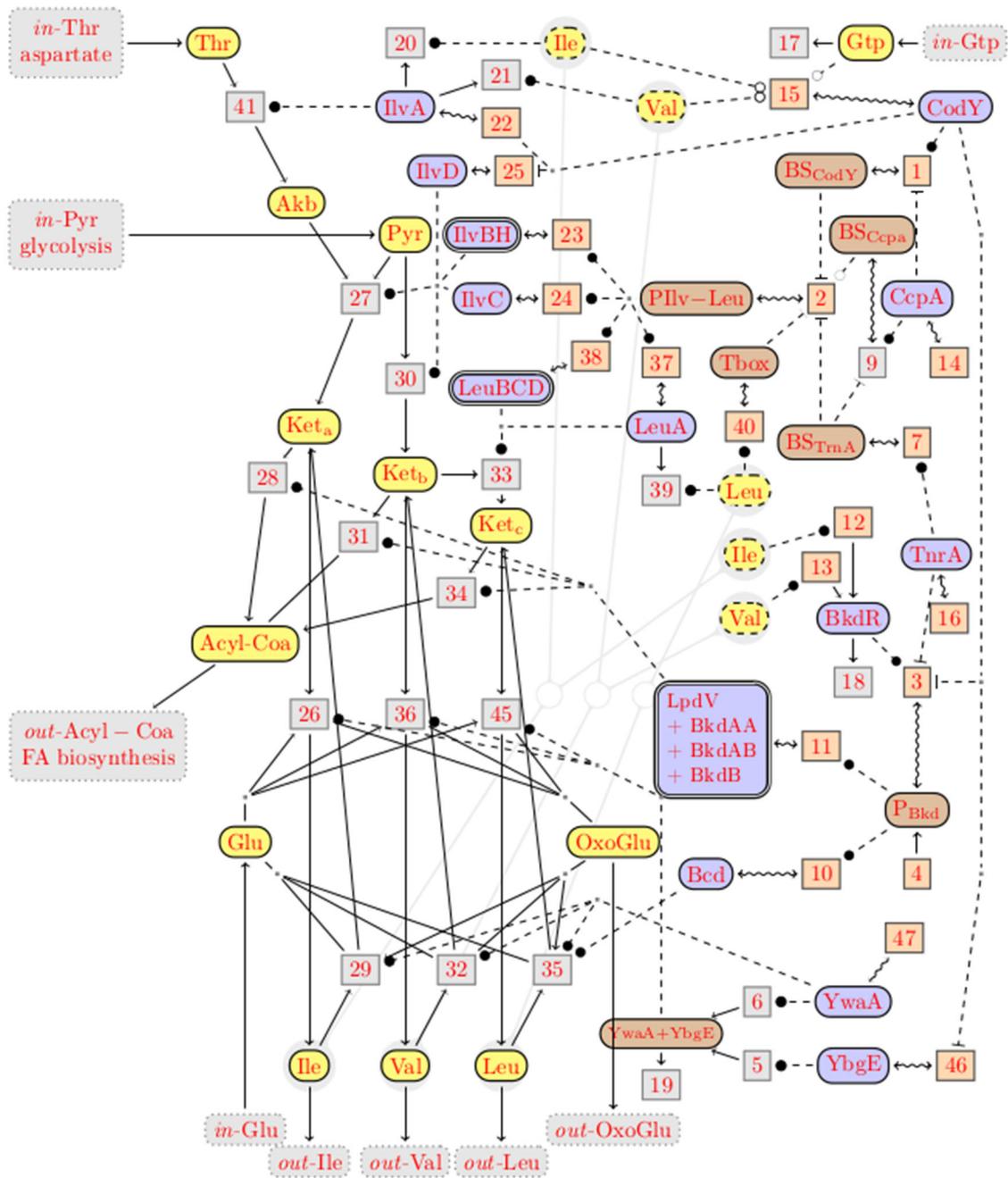


Figure S2. Original model of Branched Chain Amino Acid metabolic pathway developed for Leu overproduction and proposed by Coutte et al., 2015 [27].

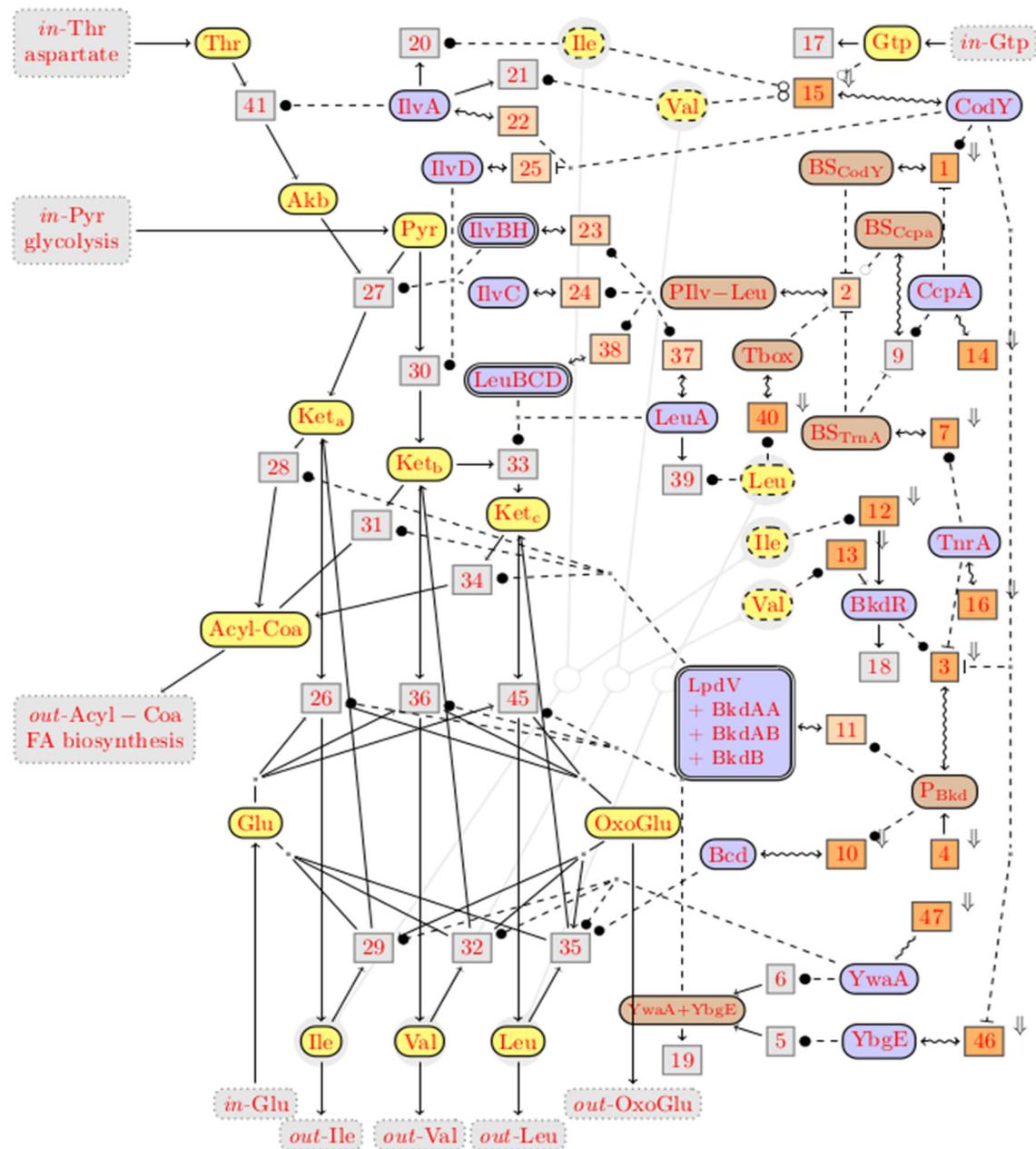


Figure S3. Original model of Branched Chain Amino Acid metabolic pathway developed for Leu overproduction [27] with only knock-out prediction indicated in dark orange and represented by ↓.

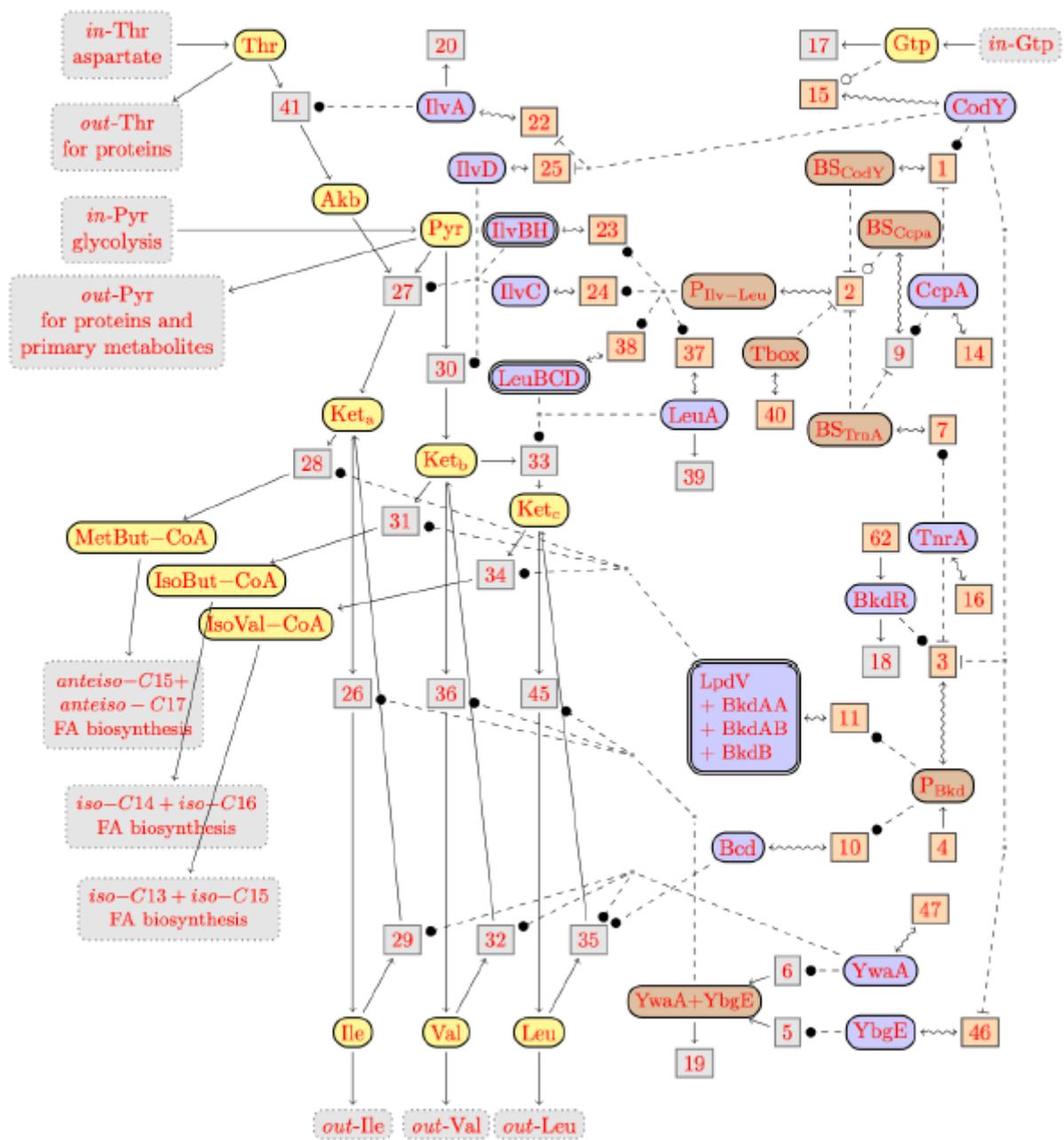


Figure S4. New reaction network of Branched Chain Amino Acid metabolic pathway developed for outflow of MetBut-CoA to the FA biosynthesis of *anteiso*-C15 and *anteiso*-C17 fatty acid chains. This picture can be compared with the Figure S3 to see evolution in the model.

Excel file. Supplementary data of raw microarray results