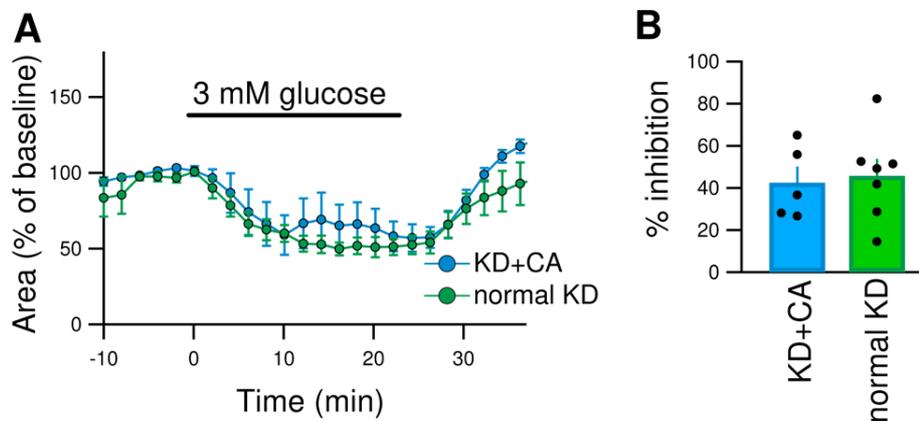


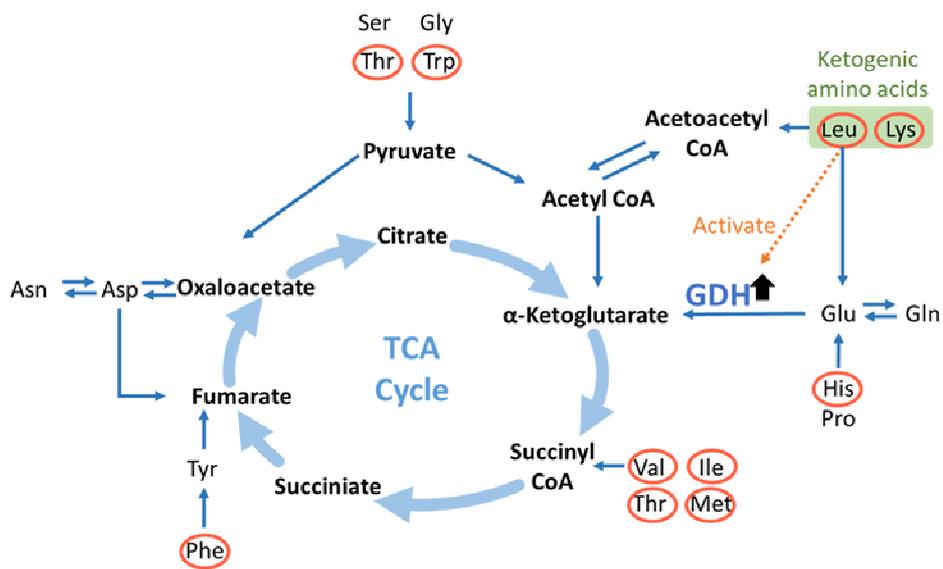
Supplementary Fig. S1

Content ratio of ketogenic and glucogenic amino acids in the AminoL40 and CaseinAA mixtures.



Supplementary Fig. S2

(A) Time course of the effect of a reduced glucose concentration (3 mM glucose) for 25 min on the area of bicuculline-induced bursting (% of baseline) in the slices from KD+CA-fed and normal KD-fed rats (A2) Summary of inhibition of the area of seizure-like bursting in slices from KD+CA-fed and normal KD-fed rats in the presence of 3 mM glucose. $t(10) = 0.2869$, $P = 0.7801$; unpaired t -test; KD+CA, $n = 5$; normal KD, $n=7$. The same data for KD+CA as in Fig. 3B and 3C. A subset of data for the normal KD was modified from a previous report (Kawamura et al. 2014).



Supplementary Fig. S3

Fates of amino acids entering the TCA cycle. The red circles indicate amino acids included in AminoL40.