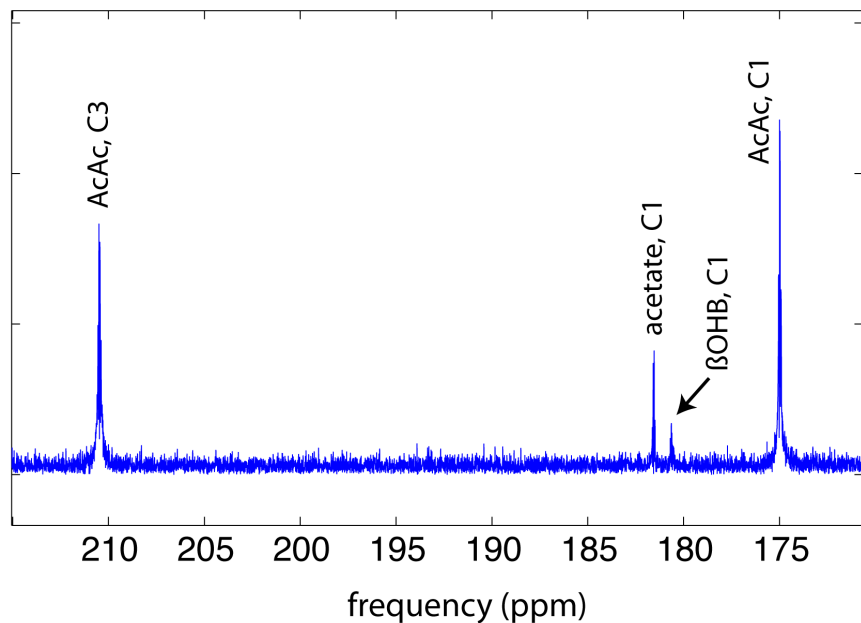
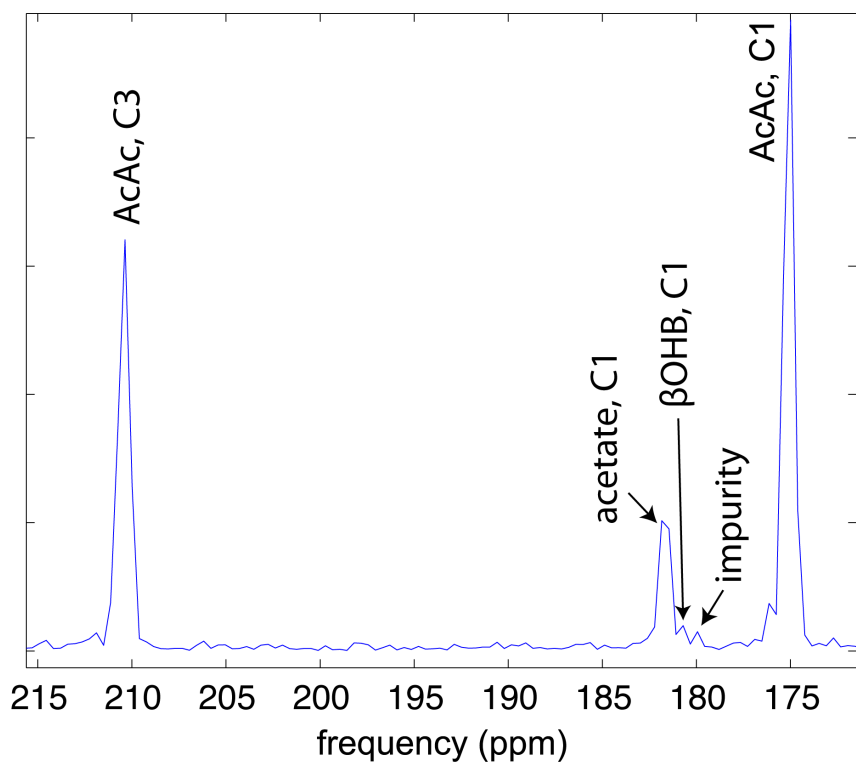


Supporting Information



Supporting Figure S1. NMR spectrum (magnitude) of [1,3-¹³C₂]acetoacetate sample preparation spiked with βOHB (natural abundance), acquired at 11.7T. The βOHB (C1) peak is observed at 180.6ppm, referenced to acetoacetate (C1) at 175ppm.



Supporting Figure S2. In vivo HP [1,3-¹³C₂]acetoacetate kidney slab spectra acquired from a normal (untreated) Sprague Dawley rat, showing both metabolic product HP βOHB and an unidentified impurity, as described in text.