

Figure S1. Percent labeling of acetyl groups from U- ^{13}C -glucose (Gluc) and U- ^{13}C -glutamine (Gln) in normoxia and hypoxia (1% O_2). Acetyl labeling from N-acetyl-glutamate and glutamate at steady-state; analysis of fatty acid labeling gives equivalent results. All data are mean \pm SD of $N=3$.

If palmitate pool is 20% labeled, and contributes X % to 'unknown' part of AcCoA pool.

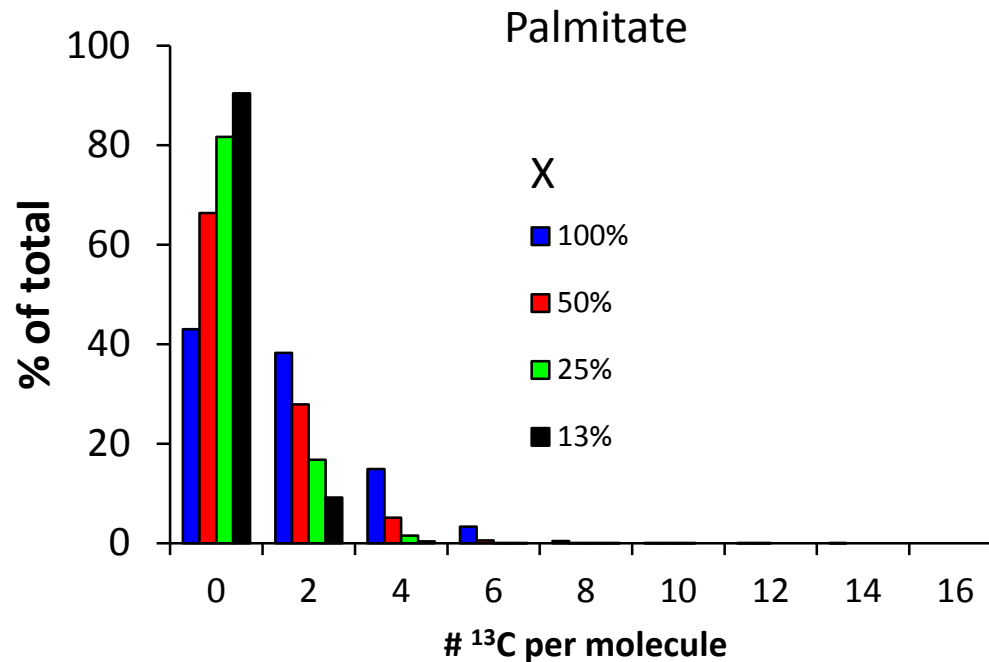


Figure S2. Calculation of expected palmitate labeling, based on the observation that 20% of palmitate pool is U¹³C-labeled, for palmitate oxidation contributing 'X' percent to the fraction of AcCoA not derived from glucose or glutamine. Even if X is 13%, significant M⁺² labeling would be expected, which was not observed experimentally (see Figure 3).