Our studies were a small part of the specific aims of the grant “Global Regulation of the Methane-Producing Archaeon Methanococcus maripaludis” (P.I. John Leigh, University of Washington). We proposed to determine the correlation of the levels of aminoacyl-tRNA and free amino acids under different growth conditions (varying phosphate, amino acid, or hydrogen concentrations). We did determine the levels of several aminoacyl-tRNAs under the growth conditions used by our collaborators in their experiments (J. Leigh and W. Whitman, University of Georgia). These data will be incorporated into a publication currently being prepared by John Leigh.

In order to really understand aminoacyl-tRNA formation in Methanococcus maripaludis, this grant also supported—in part—the following publications:


