

Interactive comment on “Gradients in intact polar diacylglycerolipids across the Mediterranean Sea are related to phosphate availability” by K. J. Popendorf et al.

Anonymous Referee #1

Received and published: 2 September 2011

This is a well-written, thoughtful study of intact polar diacylglycerolipids (IP-DAGs) carried out along transect across the Mediterranean in a wide range of nutrient conditions and microbial community structures. There are also experiments of the IP-DAGs in an extended microcosm incubation on board. The authors make a convincing case that IP-DAGs can be molecular tools for the study of microbes and nutrient dynamics. With current interest in IP-DAGs, this paper is timely and should be of interest to readers of Biogeosciences. I recommend publication as is presented. As one optional comment, I recommend the author to add the information on the abundance of phospholipids as organic P.

C2825

Interactive comment on Biogeosciences Discuss., 8, 7921, 2011.

C2826