

SUPPLEMENTAL DATA

Dynamic remodeling of membranes and their lipids during acute hormone-induced steroidogenesis in MA-10 mouse Leydig tumor cells

Sathvika Venugopal^{1,2}, Melanie Galano³, Rachel Chan¹, Esha Sanyal¹, Leeyah Issop^{1,2}, Sunghoon Lee¹, Lorne Taylor¹, Pushwinder Kaur¹, Edward Daly¹, and Vassilios Papadopoulos^{1,2,3,*}

From the ¹Research Institute of the McGill University Health Centre, Montreal, Quebec, H4A 3J1, Canada; ²Department of Medicine, McGill University, Montreal, Quebec, H4A 3J1, Canada; ³Department of Pharmacology and Pharmaceutical Sciences, School of Pharmacy, University of Southern California, Los Angeles, CA 90089, USA

Supporting Information Figures: 7

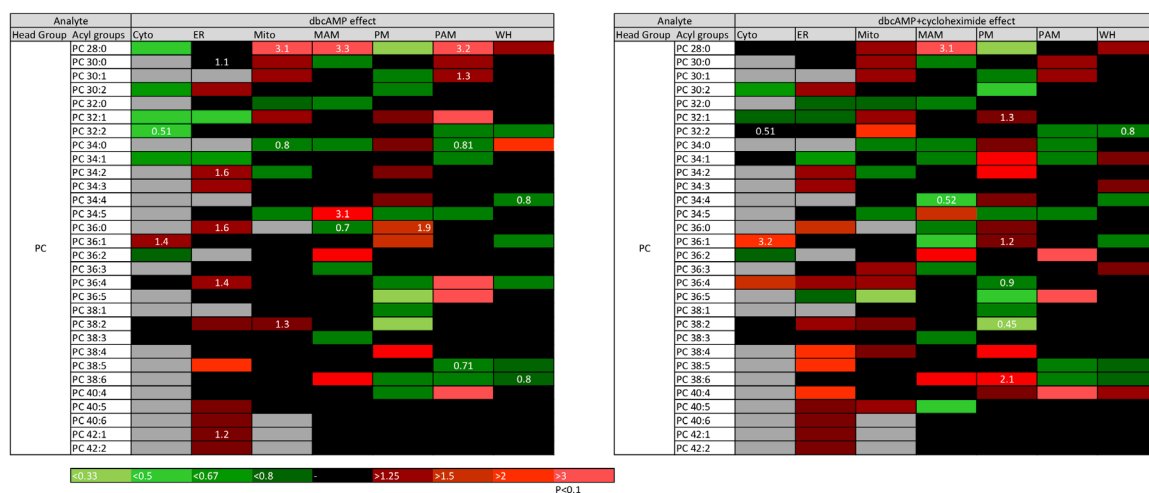


Fig S1. Phosphatidylcholine (PC) heat map analysis. Heat map analysis showing changes in PC levels in response to stimulation with dbcAMP and dbcAMP plus cycloheximide in MA-10 cells. Acyl groups are abbreviated by the number of carbon atoms and double bonds per molecule. Changes are color coded according to the statistical significance table at the bottom of the figure. Data shown are sums of results for each molecular species, mean $\pm$ standard error (SE), $n = 3$.

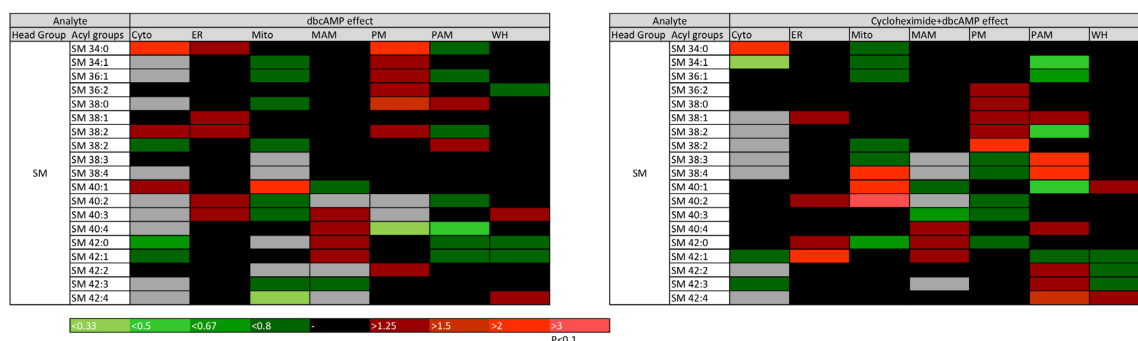


Fig S2. Sphingomyelin (SM) heat map analysis. Heat map analysis showing changes in SM levels in response to stimulation with dbcAMP and dbcAMP plus cycloheximide in MA-10 cells. Acyl groups are abbreviated by the number of carbon atoms and double bonds per molecule. Changes are color coded according to the statistical significance table at the bottom of the figure. Data shown are sums of results for each molecular species, mean $\pm$ SE, $n = 3$.

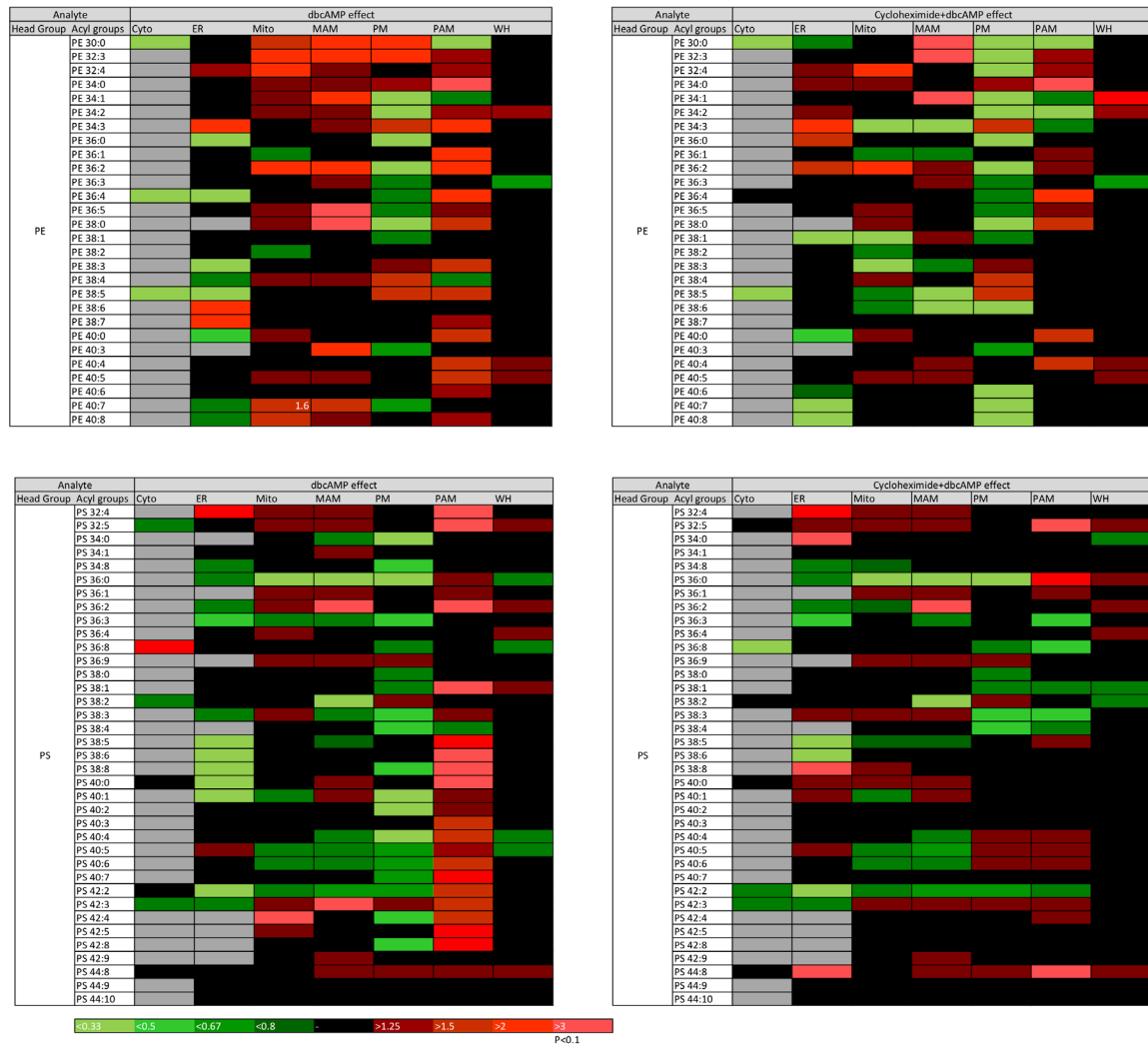


Fig S3. Phosphatidylethanolamine (PE) and phosphatidylserine (PS) heat map analysis. Heat map analysis showing changes in PE and PS levels in response to stimulation with dbcAMP and dbcAMP plus cycloheximide in MA-10 cells. Acyl groups are abbreviated by the number of carbon atoms and double bonds per molecule. Changes are color coded according to the statistical significance table at the bottom of the figure. Data shown are sums of results for each molecular species, mean $\pm$ SE, $n = 3$.

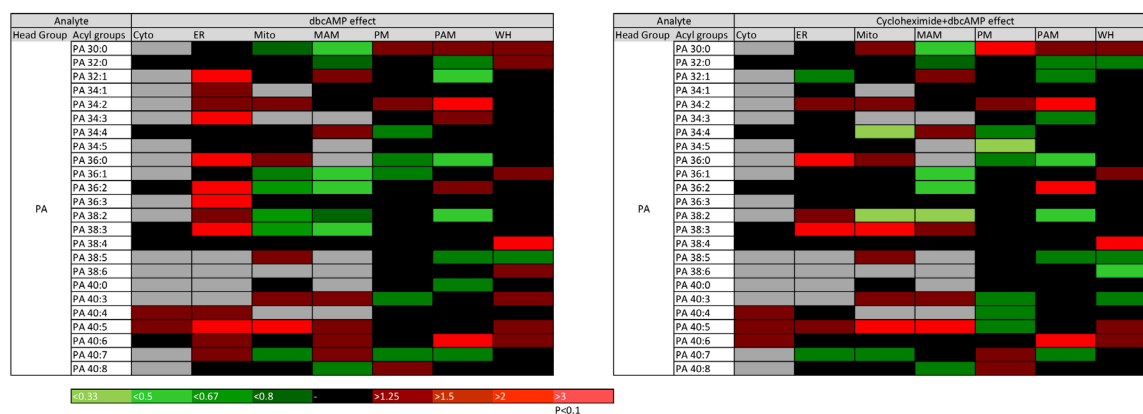


Fig S4. Phosphatidic acid (PA) heat map analysis. Heat map analysis showing changes in PA levels in response to stimulation with dbcAMP and dbcAMP plus cycloheximide in MA-10 cells. Acyl groups are abbreviated by the number of carbon atoms and double bonds per molecule. Changes are color coded according to the statistical significance table at the bottom of the figure. Data shown are sums of results for each molecular species, mean $\pm$ SE, $n = 3$.

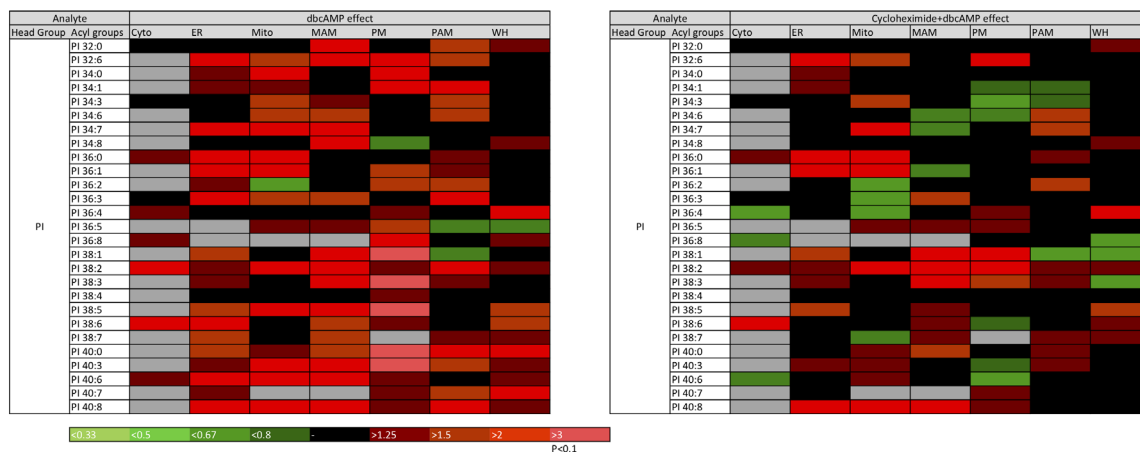


Fig S5. Phosphatidyl Inositol (PI) heat map analysis. Heat map analysis showing changes in PI levels in response to stimulation with dbcAMP and dbcAMP plus cycloheximide in MA-10 cells. Acyl groups are abbreviated by the number of carbon atoms and double bonds per molecule. Changes are color coded according to the statistical significance table at the bottom of the figure. Data shown are sums of results for each molecular species, mean $\pm$ SE, $n = 3$.

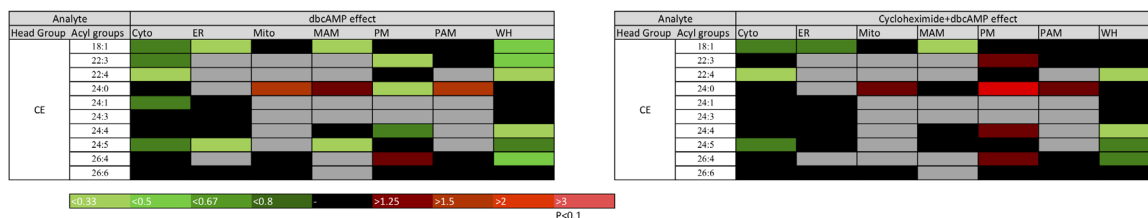


Fig S6. Cholesteryl ester (CE) heat map analysis. Heat map analysis showing changes in CE levels in response to stimulation with dbcAMP and dbcAMP plus cycloheximide in MA-10 cells. Acyl groups are abbreviated by the number of carbon atoms and double bonds per molecule. Changes are color coded according to the statistical significance table at the bottom of the figure. Data shown are sums of results for each molecular species, mean $\pm$ SE, $n = 3$.

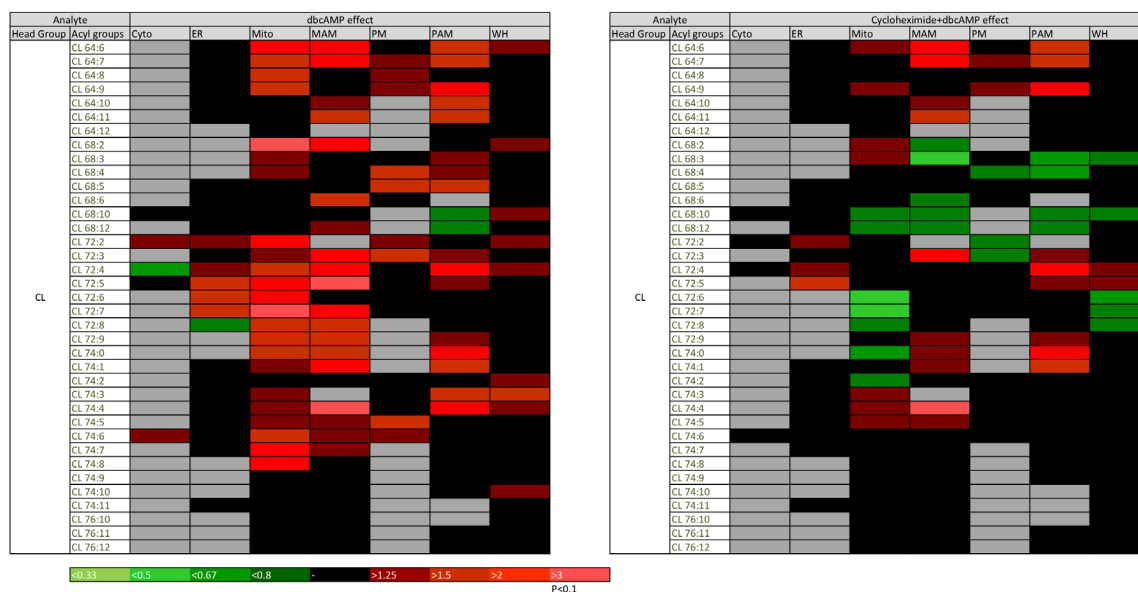


Fig S7. Cardiolipin (CL) heat map analysis. Heat map analysis showing changes in CL levels in response to stimulation with dbcAMP and dbcAMP plus cycloheximide in MA-10 cells. Acyl groups are abbreviated by the number of carbon atoms and double bonds per molecule. Changes are color coded according to the statistical significance table at the bottom of the figure. Data shown are sums of results for each molecular species, mean $\pm$ SE, $n = 3$