**Supporting Information** 

## Specific anion effects on lipase adsorption and enzymatic synthesis of biodiesel in non-aqueous media

Michela Collu, Cristina Carucci, and Andrea Salis\*

Department of Chemical and Geological Sciences, University of Cagliari-CSGI and CNBS, Cittadella Universitaria, S.S. 554 bivio Sestu, 09042- Monserrato (CA), Italy;

\*CORRESPONDING AUTHOR. Tel.: +390706754362. Fax: +39 0706754388

Email: asalis@unica.it

## **Table of Contents**

Figure S1. Conversion (%) and yield (%) as a function of time for different molar ratios.

Figure S2. Specific anion effects on free *Pseudomonas fluorescens* lipase specific activity (hydrolysis of tributyrin assay).

Number of pages: 2 Number of figures: 2



**Figure S1**. Conversion (%) and yield (%) as a function of time for different molar ratios. The synthesis was achieved by mixing oil (2 g) and methanol in the molar ratio 1:3, 1:4, 1:6 and 1:9 and by adding 125 mg of the biocatalyst previously pre-equilibrated at a constant water activity ( $a_w$ =0.529). The reaction was carried out horizontal shaking water bath at 30 °C for 24 h.



Figure S2. Specific anion effects on free *Pseudomonas fluorescens* lipase specific activity (hydrolysis of tributyrin assay).