

1 **An atlas of glycerolipid species across development in**
2 **maize B73, CML312 inbreds and Palomero Toluqueño**
3 **landrace.**

4 *Karla Juárez-Núñez, Guillaume Lobet, Rubén Rellán-Álvarez*

5 **Abstract**

6 Glycerolipids are the predominant building block of non-plastidic membranes thus essential
7 for plant growth and development. To better understand how a specific genome sequence
8 results in certain lipid phenotypes we need to explore the temporal and spatial patterns of
9 these metabolites. In this study we present leaf lipid profiles of three different genotypes
10 (B73, Palomero Toluqueño and CML312) at different developmental stages and along three
11 different leaf zones.

12 *Keywords* Glycerolipids, natural variation, developmental stages,

13 **Introduction**