

APPENDIX A

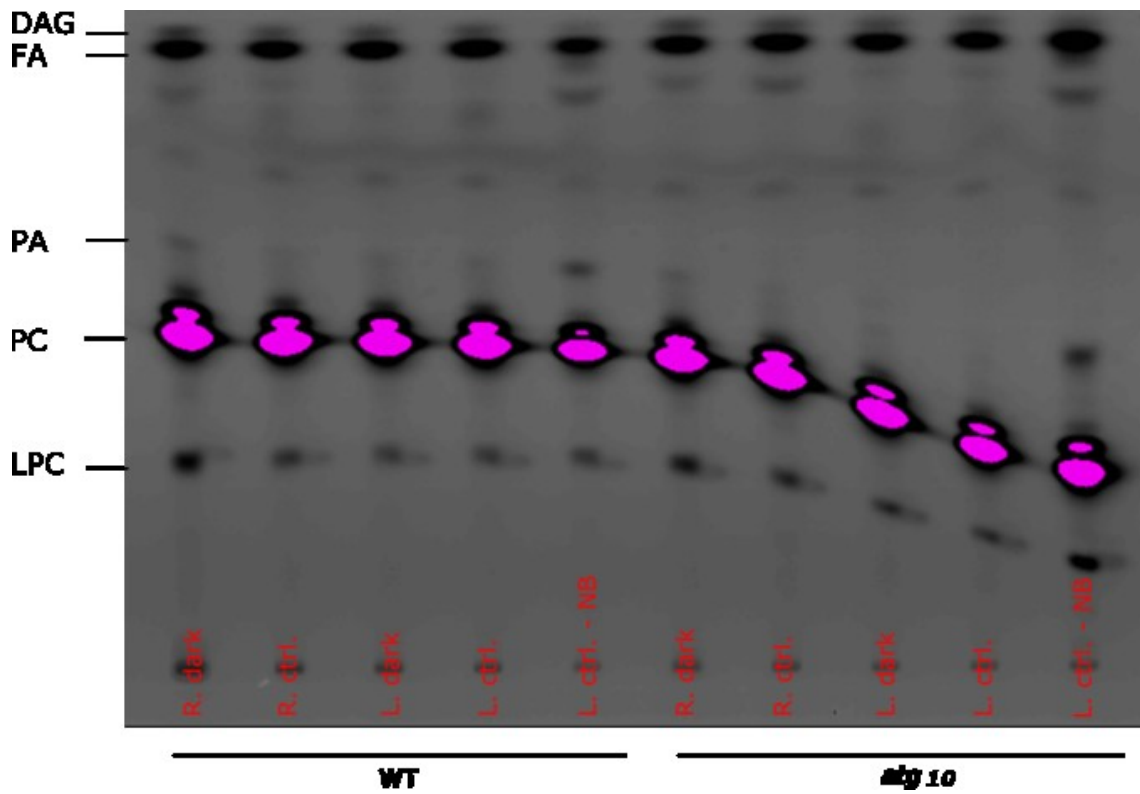


Figure 1 **Chromatographic silica plate with separated fluorescently labelled products** of plant phospholipases. Level of fluorescently labelled products is compared between *A. thaliana* wild type (WT) and *atg10* mutant root (R) and leaf (L) cytosolic fraction. DAG = diacylglycerol, FA = fatty acids, PA = phosphatidic acid, PC = phosphatidylcholine, LPC = lysophosphatidylcholine. The plate was scanned at 520 nm.

APPENDIX B

Table 1 **Number density of autophagosomes** in root elongation zone cells and root meristematic zone cells of *A.thaliana* wild type (WT) and knock-out mutants in lipid metabolising enzymes after 2 hours of carbon and nitrogen starvation (trtd) and in control conditions (ctrl). *n* = number density of labelled particles per 100000 μm^3 , SD = standard deviation, n = number of samples, CV = coefficient of variation.

Elongation zone				
	n. density (n)	SD	n	CV
WT_ctrl	5.03	1.47	5	29.12%
WT_trtd	21.92	6.41	5	29.22%
dgk7_ctrl	3.84	1.61	5	41.95%
dgk7_trtd	26.56	8.66	5	32.61%
plda3_ctrl	1.4	0.84	5	60.05%
plda3_trtd	31.52	3.7	3	11.75%
pld β 1_ctrl	2.51	2.18	4	86.74%
pld β 1_trtd	13.36	5.02	5	37.56%

Meristematic zone				
	n. density (n)	SD	n	CV
WT_ctrl	8.37	1.56	3	18.65%
WT_trtd	54.5	6.85	3	12.56%
dgk7_ctrl	6.77	1.76	4	26.00%
dgk7_trtd	64.73	7.7	5	11.89%
plda3_ctrl	10.84	3.11	4	28.73%
plda3_trtd	77.19	11.47	3	14.86%
pld β 1_ctrl	6.01	0.82	4	13.58%
pld β 1_trtd	52.03	1.5	4	2.89%