

Table S1. Fatty acid combinations of the different intact polar lipid groups detected in *P. globosa*. The separate fatty acid combinations are given in brackets where fragmentation allowed identification. n.d. = non-detected.

MGDGs	C _{28:0} (14:0,14:0)	C _{30:0} (14:0,16:0)	C _{30:1}	C _{30:2}
	C _{32:1} (14:0,18:1)	C _{32:2} (14:0,18:2)	C _{32:3} (14:0,18:3)	C _{32:4} (14:0,18:4)
	C _{32:5} (14:0,18:5)	C _{34:1} (16:0,18:1)	C _{34:2} (16:0,18:2)	C _{34:3}
	C _{34:4} (16:0,18:4)	C _{34:5} (16:1,18:4)	C _{34:6}	C _{34:7} (16:2,18:5)
	C _{34:8}	C _{34:9}	C _{36:2} (18:1,18:1)	C _{36:3}
	C _{36:4}	C _{36:5} (18:1,18:4;18:2,18:3)	C _{36:6} (18:2,18:4;18:3,18:3;18:1,18:5)	C _{36:7} (18:2,18:5;18:3,18:4)
	C _{36:8} (18:4,18:4;18:3,18:5;18:1,18:6)	C _{36:9} (18:4,18:5;18:3,18:6)	C _{36:10} (18:5,18:5)	
DGDGs	C _{32:1}	C _{32:2} (14:0,18:2)	C _{32:3} (14:0,18:3)	C _{32:4} (14:0,18:4)
	C _{32:5} (14:0,18:5)	C _{34:2} (16:0,18:2)	C _{34:3} (16:0,18:3)	C _{34:4} (16:0,18:4)
	C _{34:5} (16:0,18:5)	C _{34:7} (16:2,18:5)	C _{36:2} (18:1,18:1)	C _{36:3}
	C _{36:4}	C _{36:10} (18:5,18:5)		
SQDGs	C _{32:1} (14:0,18:1)	C _{36:7} (18:3,18:4; 18:5,18:2)		
PEs	C _{36:6} (22:6,14:0)	C _{44:12} (22:6,22:6)		
DMPEs	C _{36:6} (22:6,14:0)	C _{38:6} (22:6,16:0)	C _{44:12} (22:6,22:6)	
PGs	C _{36:7} (20:5, 16:2)	C _{38:6} (22:6,16:0)	C _{40:6} (22:6,18:0)	
PCs	C _{32:4} (18:4,14:0)	C _{34:4}	C _{34:5}	C _{36:4}
	C _{36:5}	C _{36:6} (18:4,14:0)	C _{36:7}	C _{38:6}
	C _{38:7}	C _{38:8}	C _{38:9}	C _{40:6}
	C _{40:7}	C _{40:8}	C _{40:9}	C _{40:10}
	C _{40:11}	C _{42:11}	C _{44:12} (22:6,22:6)	
DGTAs	C _{34:1} (16:0,18:1)	C _{34:2}	C _{34:3} (16:1,18:2)	C _{34:4} (16:0,18:4)
	C _{36:2} (18:1,18:1)	C _{36:3}	C _{36:4}	C _{36:5} (16:0,20:5)
DGCCs	C _{32:5} (18:5,14:0)	C _{34:5} (16:0,18:5)	C _{36:6} (18:1,18:5)	C _{38:6} (16:0,22:6)
	C _{38:10} (20:5,18:5)	C _{40:11} (22:6,18:5)	C _{44:12} (22:6,22:6)	

Table S2. Fatty acid combinations of the different intact polar lipid groups detected in PgV-07T. The separate fatty acid combinations are given in brackets where fragmentation allowed identification. n.d. = non-detected.

MGDGs	C _{28:0} (14:0,14:0)	C _{30:0} (14:0,16:0)	C _{30:1}	C _{30:2}
	C _{32:1} (14:0,18:1)	C _{32:2}	C _{32:3}	C _{32:4}
	C _{34:1} (16:0,18:1)	C _{34:2}	C _{34:3}	
DGDGs	C _{32:1} (14:0,18:1)			
SQDGs	n.d.			
PEs	n.d.			
DMPEs	C _{44:12} (22:6, 22:6)			
PGs	C _{38:6} (22:6,16:0)	C _{40:6} (22:6,18:0)		
PCs	C _{32:4}	C _{34:4}	C _{34:5}	C _{34:7}
	C _{36:4}	C _{36:5}	C _{36:6}	C _{36:7}
	C _{36:8}	C _{36:9}	C _{36:10}	C _{38:5}
	C _{38:6}	C _{38:7}	C _{38:8}	C _{38:9}
	C _{38:10}	C _{40:6}	C _{40:7}	C _{40:8}
	C _{40:9}	C _{40:10}	C _{40:11}	C _{42:11}
	C _{42:12}	C _{42:13}	C _{44:12}	
DGTAs	C _{34:1} (16:0,18:1)	C _{34:2}	C _{34:3}	C _{34:4} (16:0,18:4)
	C _{36:4}	C _{36:5}		
DGCCs	C _{32:5}	C _{34:5} (16:0,18:5)	C _{36:6}	C _{38:6}
	C _{38:10} (20:5,18:5)	C _{40:11}	C _{44:12}	