

Table S1. Composition analysis of residual bound lipids in *bdg* and wild type leaves.

Compound	WT Col, $\mu\text{g}/\text{cm}^2$		<i>bdg</i> , $\mu\text{g}/\text{cm}^2$	
	mean (n=7)	$\pm\text{SE}$	mean (n=5)	$\pm\text{SE}$
C16-acid	0.1021	0.0036	0.2284	0.0039
C18-(2)-acid	0.0300	0.0009	0.0801	0.0036
C18-(1)-acid	0.0055	0.0003	0.0155	0.0007
C18-acid	0.0083	0.0005	0.0187	0.0009
C16-2-OH-acid	0.0121	0.0009	0.0314	0.0025
C16-diacid	0.0405	0.0019	0.0875	0.0036
C16-w-OH-acid	0.0049	0.0007	0.0077	0.0004
C18-(2)-diacid	0.0633	0.0025	0.1595	0.0110
C18-(1)-diacid	0.0225	0.0008	0.0484	0.0025
C18-(3)-w-OH-acid	0.0028	0.0003	0.0086	0.0037
C18-(2)-w-OH-acid	0.0029	0.0003	0.0036	0.0004
C18-diacid	0.0119	0.0007	0.0281	0.0016
C18-(1)-w-OH-acid	0.0048	0.0005	0.0093	0.0007
C16-10.16-diOH-acid	0.0063	0.0007	0.0130	0.0011
C22-acid	0.0164	0.0009	0.0394	0.0020
C24-(1)-acid	0.0057	0.0004	0.0135	0.0010
C24-acid	0.0268	0.0011	0.0446	0.0025
C22-7-OH-acid	0.0332	0.0018	0.0930	0.0092
C23-(1)-2-OH-acid	0.0024	0.0003	0.0081	0.0010
C23-2-OH-acid	0.0050	0.0004	0.0179	0.0016
C24-(1)-2-OH-acid	0.0523	0.0030	0.1241	0.0094
C24-2-OH-acid	0.1195	0.0063	0.2761	0.0183
C26-OH	0.0027	0.0003	0.0060	0.0013
C25-(1)-2-OH-acid	0.0026	0.0002	0.0080	0.0006
C25-2-OH-acid	0.0080	0.0003	0.0240	0.0010
C26-(1)-2-OH-acid	0.0072	0.0004	0.0167	0.0013
C26-2-OH-acid	0.0396	0.0017	0.1053	0.0073
C28-OH	0.0034	0.0003	0.0077	0.0015