

Table S2

Ceramide species	Not treated		UV-treated	
	siControl	siCerS5/6	siControl	siCerS5/6
C14:0-Cer	0.027 ± 0.001	0.012 ± 0.001	0.187 ± 0.009	0.113 ± 0.011
C16:0-Cer	0.221 ± 0.005	0.071 ± 0.012	1.008 ± 0.084	0.475 ± 0.081
C18:0-Cer	0.012 ± 0.001	0.012 ± 0.000	0.181 ± 0.012	0.219 ± 0.013
C18:1-Cer	0.006 ± 0.000	0.005 ± 0.001	0.045 ± 0.003	0.047 ± 0.003
C20:0-Cer	0.010 ± 0.001	0.010 ± 0.001	0.195 ± 0.028	0.222 ± 0.014
C20:1-Cer	0.001 ± 0.000	0.001 ± 0.000	0.018 ± 0.001	0.024 ± 0.001
C22:0-Cer	0.020 ± 0.001	0.026 ± 0.002	0.096 ± 0.007	0.109 ± 0.004
C22:1-Cer	0.012 ± 0.001	0.014 ± 0.001	0.063 ± 0.003	0.078 ± 0.004
C24:0-Cer	0.191 ± 0.009	0.257 ± 0.023	0.523 ± 0.064	0.520 ± 0.025
C24:1-Cer	0.261 ± 0.015	0.336 ± 0.028	0.816 ± 0.044	0.924 ± 0.043
C26:0-Cer	0.030 ± 0.003	0.037 ± 0.006	0.124 ± 0.016	0.112 ± 0.009
C26:1-Cer	0.055 ± 0.007	0.070 ± 0.011	0.237 ± 0.015	0.253 ± 0.011

Table S2. Effects of combined CerS5 and CerS6 knockdown on UV-induced accumulation of ceramide subspecies. (A) MCF-7 cells were transfected with 20 nM siRNA targeted against CerS5 and CerS6 (siCerS5/6, 10 nM each, total 20 nM), or non-targeted control (siControl, 20 nM) for 48 hr. The media were then changed, and cells were treated with (UV) or without (NT) 10 mJ/cm² UV-C followed by incubation for 24 hours. Ceramide levels were determined by HPLC/MS. Data are pmol ceramide/nmol lipid phosphate and represent the mean and standard error of four independent experiments.