**Synthesis, Imaging and Quantification of COS-488 Staining**

COS was generated by dissolving chitosan oligosaccharides (Carbosynth OC09272) in 100 mM sodium acetate buffer pH 4.9 to a final concentration of 1 mg/ml. Then, 16 μl of 10 mg/ml AlexaFlour 488 hydroxylamine in DMSO was added to 0.5 ml of COS solution and incubated in dark at 37 °C for two days under shaking. For treatments, seedlings were incubated in 50 μM EGCG or 1 μM RALF23 or corresponding mock solution in ½ MS + 1% Sucrose for indicated time. For staining of hypocotyls, COS-488 was added at 1:500 dilution for 2.5 h. Afterwards, seedlings were washed in ½ MS + 1% Sucrose 3 times. Roots were stained with a 1:1000 COS-488 dilution for 10 minutes and washed in ½ MS + 1% sucrose three times. Samples were mounted in ½ MS + 1 % Sucrose and z-stacks acquired using a Zeiss LSM880 confocal laser scanning microscope, equipped with a Plant-Apochromat 10x/0.45 M27 objective. COS-488 was excited with 488-nm argon laser and fluorescence collected between 490-560 nm using 600-800V gain. Z-projections were created and grey values measured using Fiji.