**Growth conditions**

Seeds were surface sterilized using chlorine gas for 5 hours or by incubating them in 0.1 % Tween20 in 70 % EtOH for 10 minutes, following 70 % EtOH for 10 minutes and 100% EtOH for 1 min. Seeds were stratified for 2 days in the dark at 4 °C and grown on half Murashige and Skoog (MS) media supplemented with vitamins, 1 % sucrose and 0.8 % agar at 22 °C and a 16-hour light photoperiod.

**Microscopy and image analysis of BZR1-Ypet/BES1-Ypet nuclear localization**

Five-day old Arabidopsis seedlings were treated for 60 minutes with 1 µM eBL, 90 minutes 1 µM RALF23 or corresponding mock solution (EtOH) in ½ MS + 1 % Suc 50 mM MES. Seedlings were mounted in ½ MS + 1 % sucrose and z-focal planes imaged using a Zeiss LSM880 confocal laser scanning microscope equipped with a Plan-Apochromat 10x/0.45 M27 objective. Ypet was excited with a 514 nm argon laser and fluorescence collected between 520-570 nm. Z-stacks maximum projections were reconstructed in Fiji and used to automatically segment nuclei and measure their fluorescence intensity using a custom-made pipeline.