

A Col-0 with Dex-PBS1 N-term+C-term



rps5 with Dex-PBS1 N-term+C-term



B Col-0 *rps5*

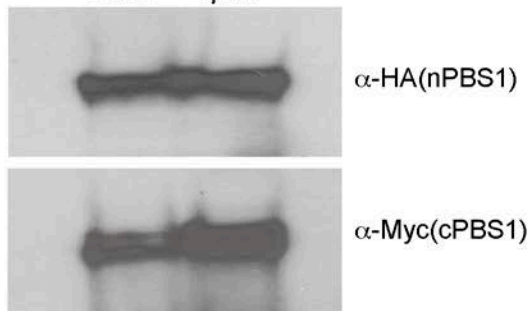


Fig. S2. Engineered PBS1 cleavage products activate RPS5 in Arabidopsis.

A. Wild-type Col-0 (left) and *rps5* mutant Arabidopsis (right) were transformed with a construct expressing both N- and C-terminal PBS1 cleavage products under control of dexamethasone-inducible promoters. Three-week old seedlings were sprayed with 50 μ M dexamethasone and photographed four days later. Each pot contains T2 plants (second generation) derived from a single T1 parent and is representative of at least three independent T1 lines. All plants were selected for presence of the transgene prior to dexamethasone treatment.

B. Immunoblot showing that engineered cleavage products are expressed at approximately the same levels in wild-type and *rps5* mutant Arabidopsis genotypes shown in panel A.