Figure S1

A

observed	F2 *bb-2* x *brx-2*		
long	short	total	Chi²
47	121	168	0.794
expected			p value
42	126	168	0.373

B

C

cortex cell position from 1st cell after ground tissue
initial formative division
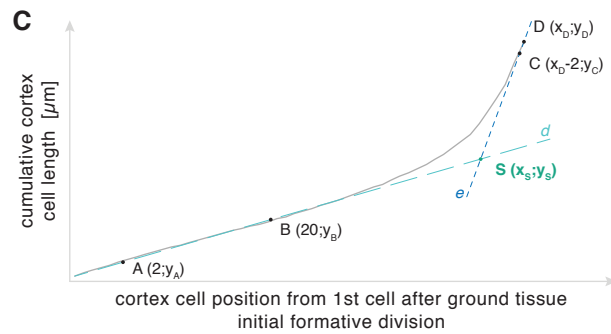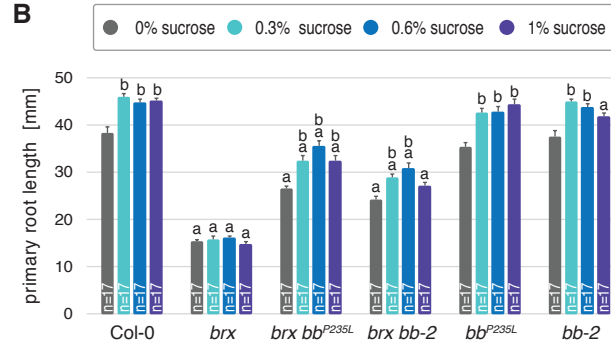
Linear functions describing *differentiation* (*d*) and *elongation* (*e*) are:

$$e:\quad y = \frac{(y_B - y_A)}{(20 - 2)} x + \frac{20y_A - 2y_B}{(20 - 2)}$$

$$d:\quad y = \frac{(y_D - y_C)}{(x_D - (x_D - 2))} x + \frac{x_D y_C - (x_D - 2)y_D}{(x_D - (x_D - 2))}$$

The switching point S (x_s;y_s) is given by solving the system:

$$\begin{cases} y = \dfrac{(y_B - y_A)}{(20 - 2)} x + \dfrac{20y_A - 2y_B}{(20 - 2)} \\ y = \dfrac{(y_D - y_C)}{(x_D - (x_D - 2))} x + \dfrac{x_D y_C - (x_D - 2)y_D}{(x_D - (x_D - 2))} \end{cases} \qquad \begin{cases} x = \mathbf{x_s} \\ y = \mathbf{y_s} \end{cases}$$