

Figure S1. A seed scanned by a probing beam. The bright region on the seed indicates the scan line.

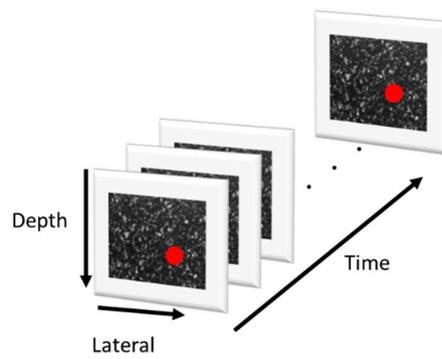


Figure S2. Time sequence speckle images for the calculation of biospeckle contrast. The red dot represents the intensity of reflected light at a point over time.

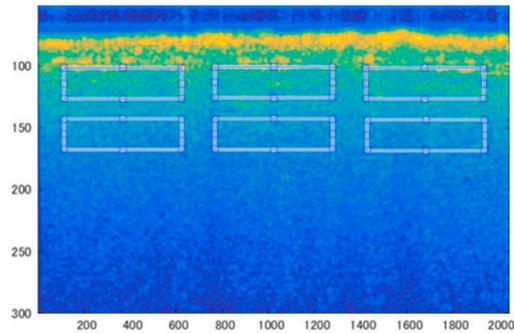


Figure S3. OCT structural image (x-z) scans with six regions of interest (ROI) indicated by rectangles. Each rectangle corresponds to 512 x 25 pixels. The average contrast of the ROIs was used to calculate the average across six seeds to give the grand average.

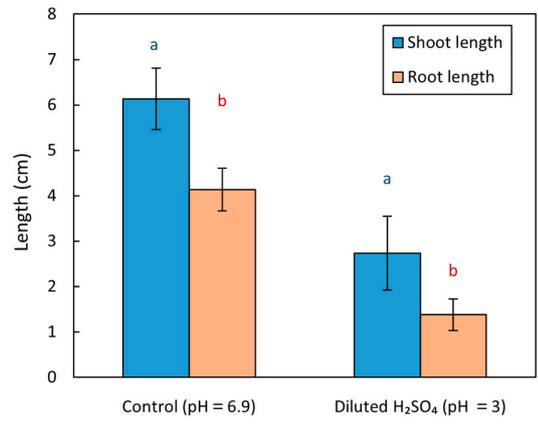


Figure S4. Effect of diluted H₂SO₄ solution (pH = 3) on the shoot and root length of soybean seedlings.