

Table 1. RSA traits measured in this study.

Studied trait	Description	Measured
Germination (%)	Percentage of seeds with emerged radicle (>2 mm)	Between 1 and 4 days after cold storage
Primary root (PR) length (mm)	Average length of PR after sowing	0 days after sowing (das), 3 das
PR growth rate (mm/h)	Average increase of PR length between 3 and 0 das	-
Lateral root (LR) number	Average number of lateral roots	3 days after root tip excision (6 das)
LR distribution (%)	Average proportion of LRs along quartiles of PR length (i.e. depth)	6 das
LR distance (mm)	Median distance of two consecutive LRs	6 das
LR length (mm)	Median length of LRs	6 das
LR clustering (%)	Average percentage of consecutive LRs with the same growth direction	6 das
LR growth angle (°)	Average angle of LR growth vector as regards its PR growth vector	6 das
Adventitious root (AR) number	Average number of ARs	6 and 12 days after whole root excision (12 and 18 das)
AR growth rate (mm/h)	Average increase of AR length during the first 12 h after AR emergence	-
AR initiation time (h)	Average time from whole root excision until AR emergence	-
AR response (%)	Percentage of hypocotyls with emerged ARs	12 and 18 das
AR length (mm)	Median length of ARs	12 das
AR growth angle (°)	Average angle of AR growth vector as regards its hypocotyl growth vector	12 das
Maximum AR length (mm)	Maximum length of ARs	18 das