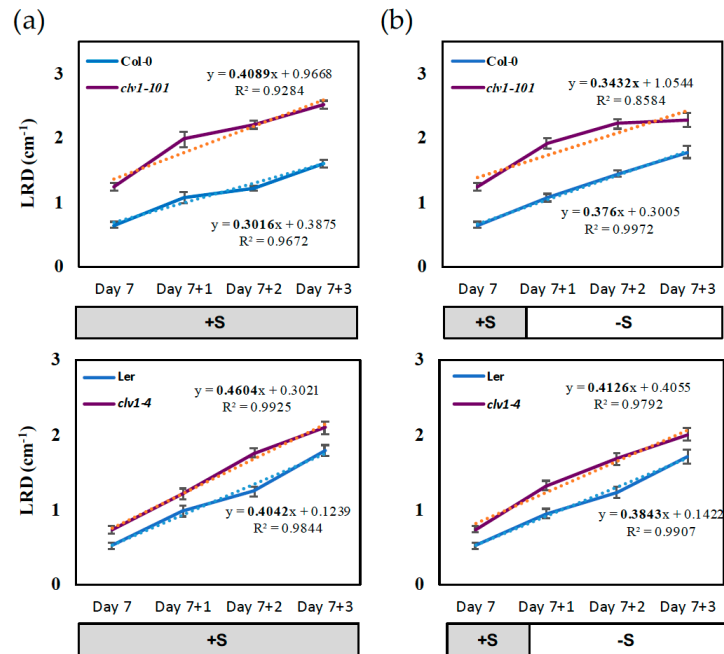
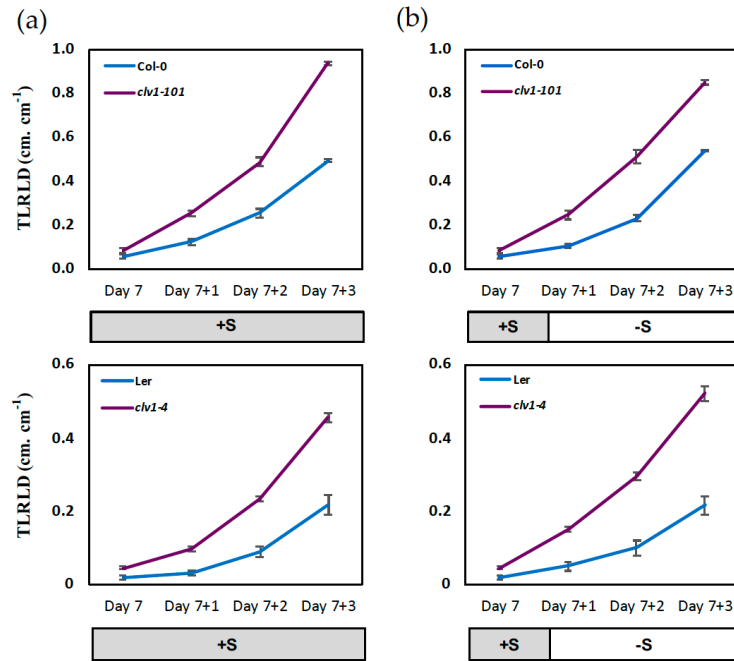


Supplemental Figure 1. Effect of S supply on lateral root branching density. Wild-type (Col-0 and *Ler*) and *clv1* mutant lines (*clv1-101* and *clv1-4*) were grown vertically on -S (15 μ M sulfate) medium for 7 days and then transferred to +S medium or -S medium to be grown subsequently for 3 days. Branching density (BD) is the number of emerged LRs divided by the length of the branching zone (cm). BD at differing S condition at Day 7+2 (a) and Day 7+3 (b), respectively, are shown. Values show means (\pm SE) of 24 individual plants per treatment. The S conditions and the order of transfers are shown by white and dark grey bars and arrows below the graph.



Supplemental Figure 2. Effect of S removal on lateral root density (LRD). Wild-type (Col-0 and *Ler*) and *clv1* mutant lines (*clv1-101* and *clv1-4*) were grown vertically on +S (1500 μ M sulfate) medium for 7 days and then transferred to **(a)** +S medium or **(b)** -S medium to be grown subsequently for 3 days. LRD was calculated at each time point based on the number of emerged LR and the length of PR of one seedling. Values represent means (\pm SE) of 24 individual plants per treatment. The equations for the linear regression and the R-square values are indicated on each graph.



Supplemental Figure 3. Effect of S removal on total lateral root length density (TLRLD). Wild-type (Col-0 and *Ler*) and *clv1* mutant lines (*clv1-101* and *clv1-4*) were grown vertically on +S (1500 μ M sulfate) medium for 7 days and then transferred to (a) +S medium or (b) -S medium to be grown subsequently for 3 days. TLRLD was calculated at each time point based on the lengths of the entire LR in one seedling and the length of the PR. Values show means (\pm SE) of 24 individual plants per treatment.