



Fig. S1. Phylogenetic analysis of the 26 *Microbacterium* strains isolated from the rhizosphere and endosphere of sugar beet seedlings (green circle) and type strains (black circle). Neighbor-joining phylogenetic tree was constructed with MEGA6 using the 16S rRNA gene sequences. *Microbacterium* strains used in this study for functional analyses are highlighted with filled green circles.

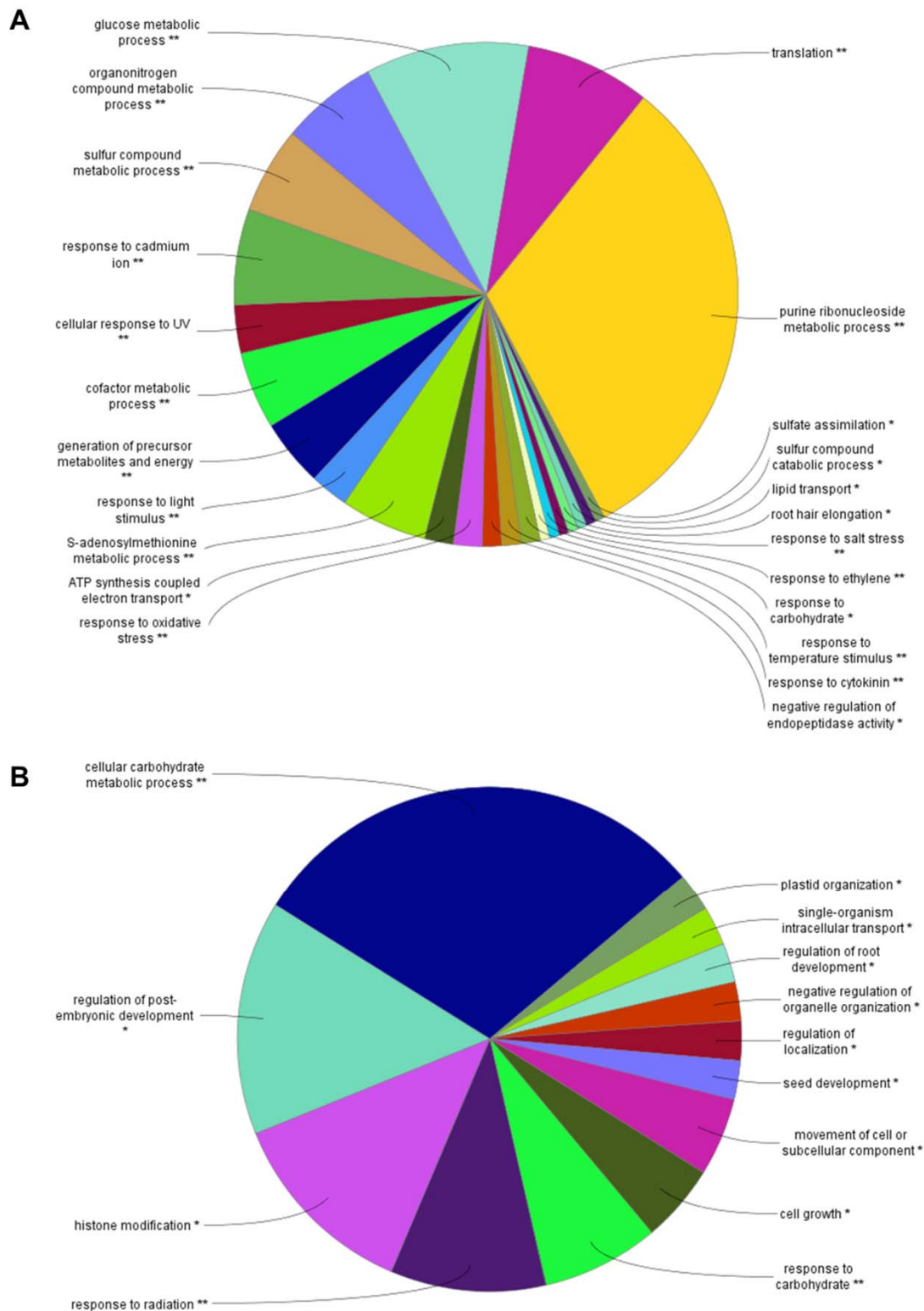


Fig. S2. Functional analysis of differentially expressed genes (DEGs) of *Arabidopsis* shoots exposed to volatile compounds from *Microbacterium* strain EC8. Pie charts display the distribution of Gene Ontology (GO) terms grouped by a representative molecular function enriched among the up-regulated (**A**) and down-regulated (**B**) in shoot tissue exposed to *Microbacterium* volatile compounds.

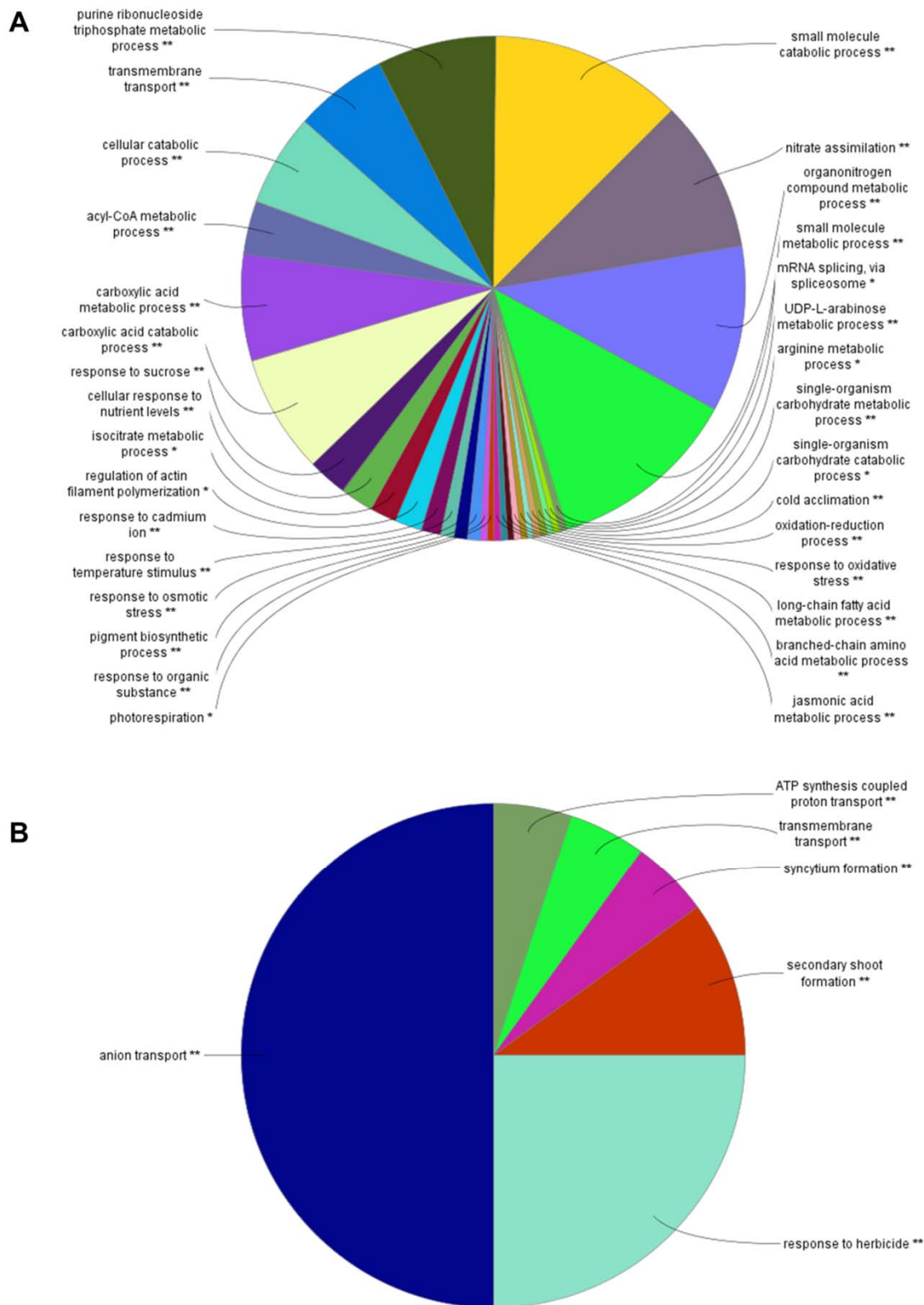


Fig. S3. Functional analysis of differentially expressed genes (DEGs) of *Arabidopsis* roots exposed to volatile compounds from *Microbacterium* strain EC8. Pie charts display the distribution of Gene Ontology (GO) terms grouped by a representative molecular function enriched among the up-regulated (**A**) and down-regulated (**B**) in root tissue exposed to *Microbacterium* volatile compounds.