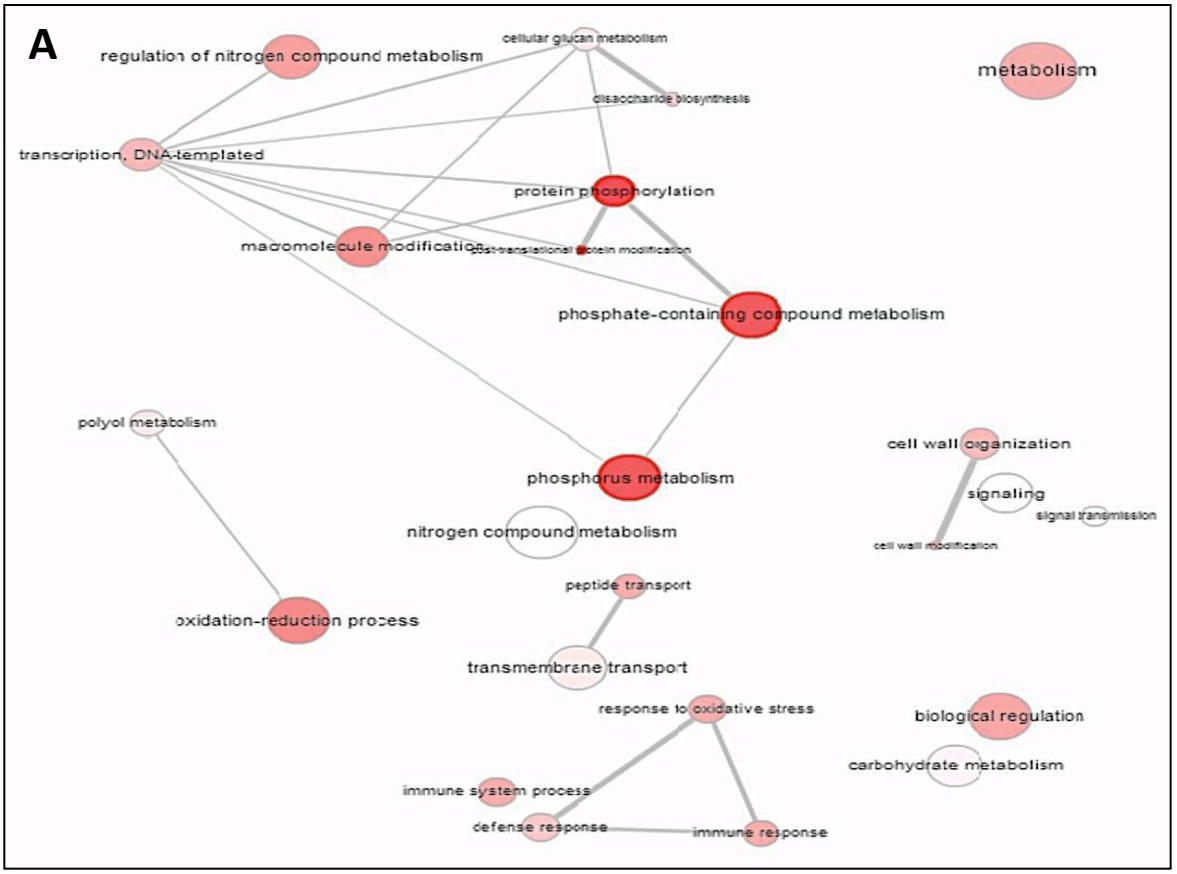
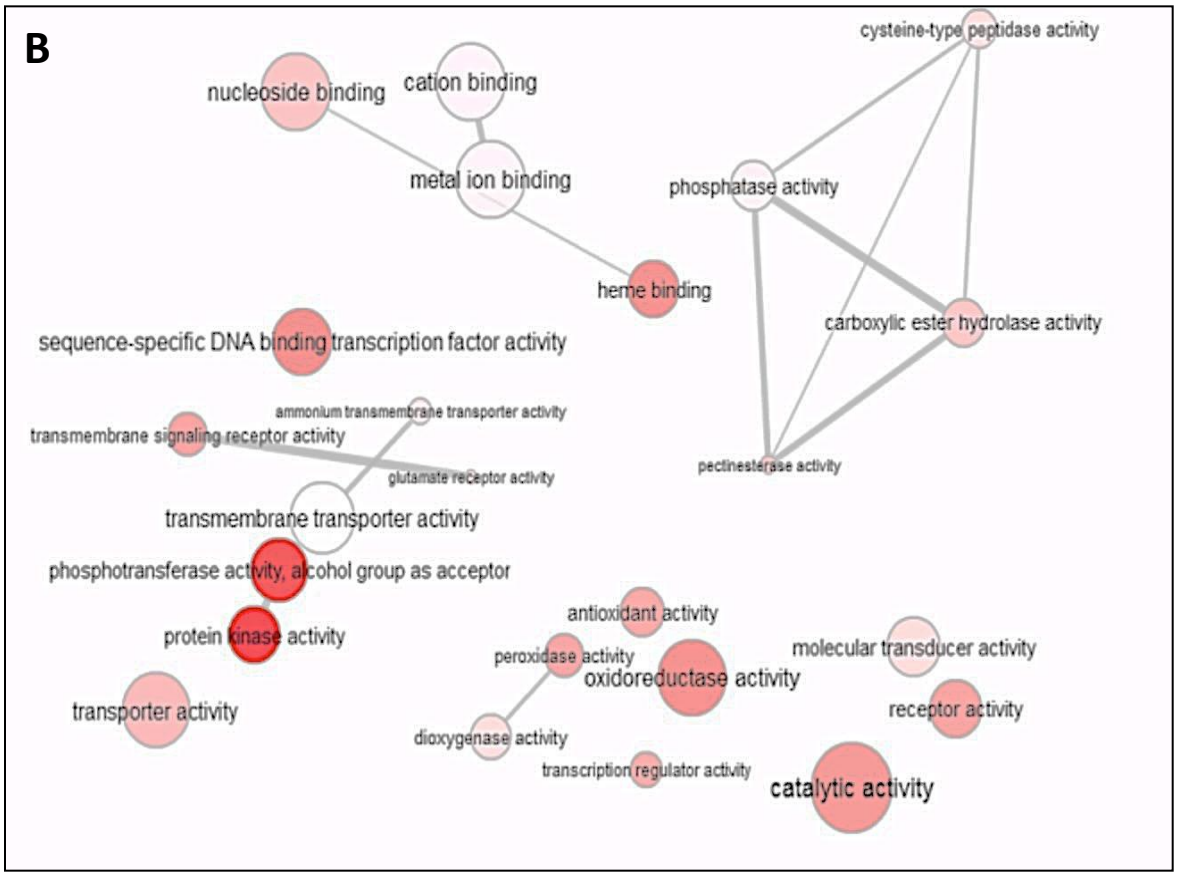
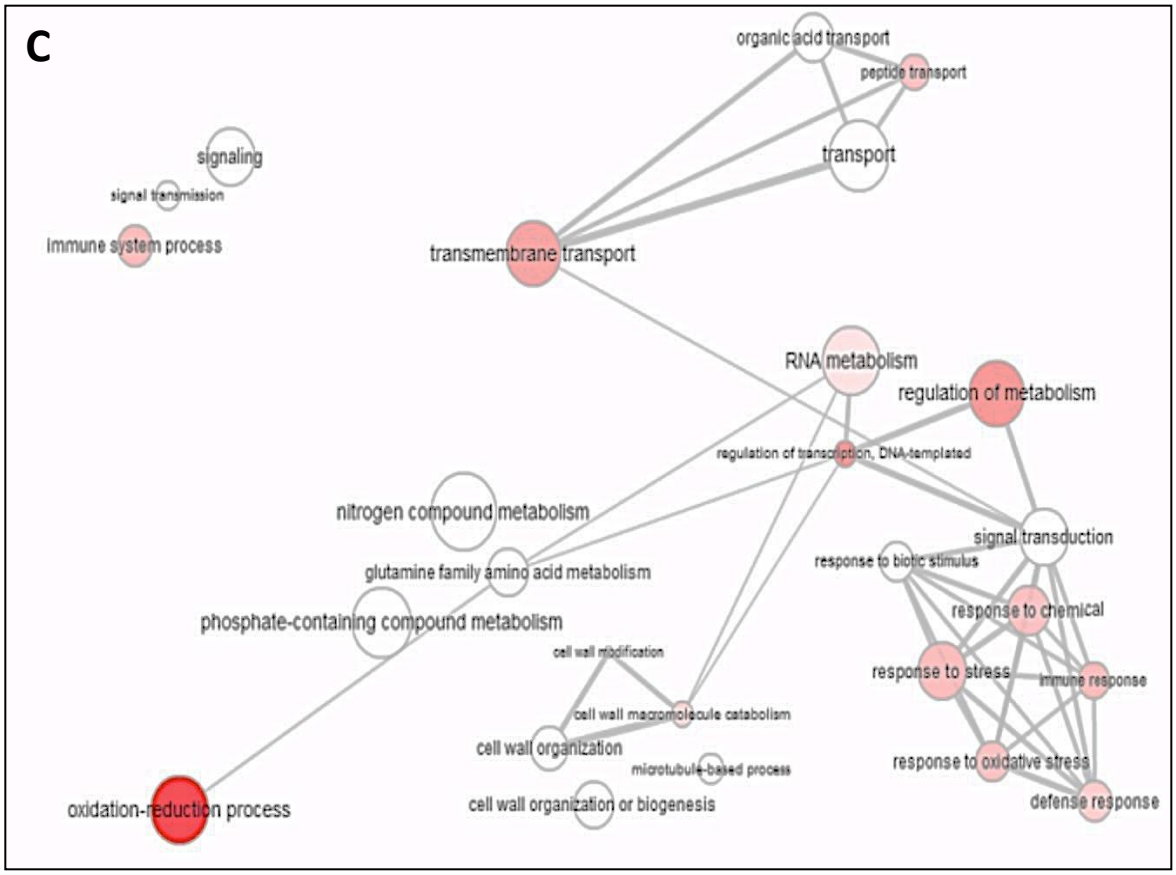
S3 Fig

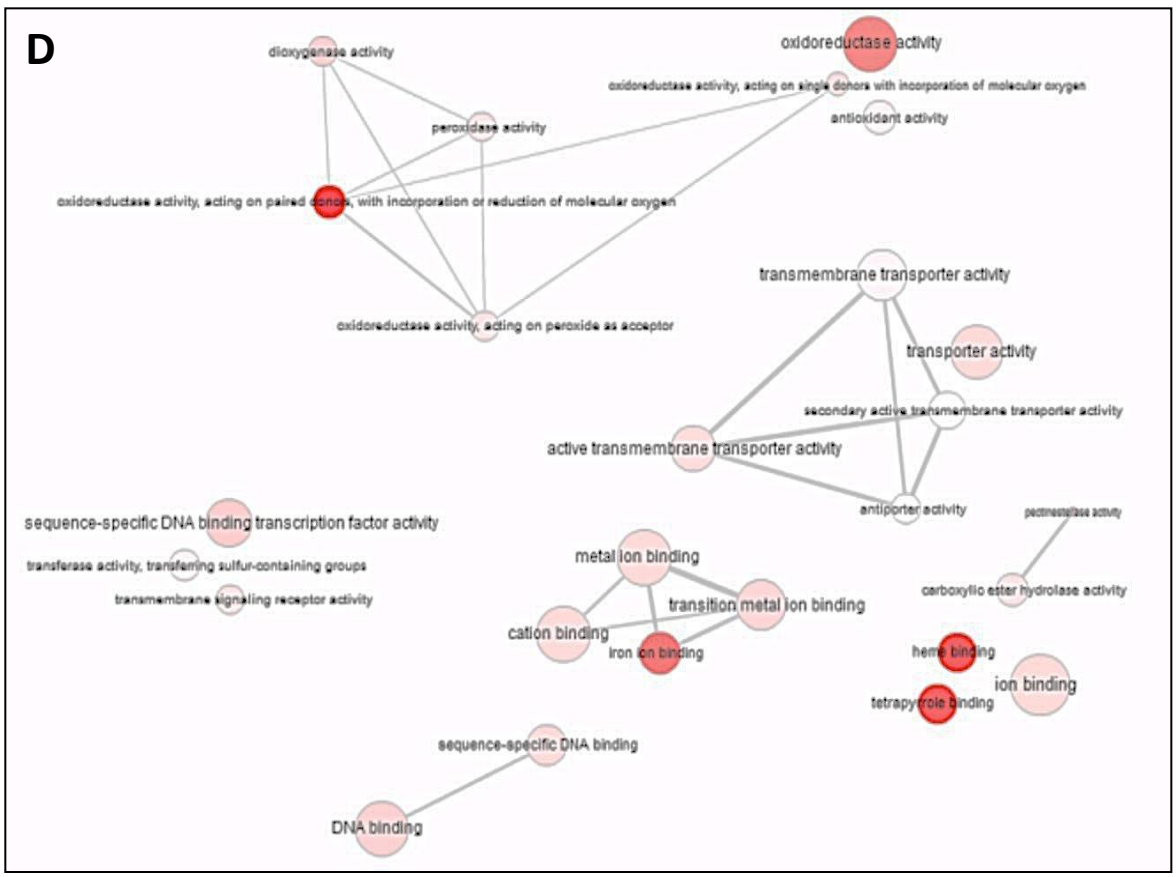
Mycorrhized





Nodulated


C
organic acid transport
peptide transport
transport
signaling
signal transmission
immune system process
transmembrane transport
RNA metabolism
regulation of metabolism
regulation of transcription, DNA-templated
nitrogen compound metabolism
signal transduction
response to biotic stimulus
glutamine family amino acid metabolism
response to chemical
phosphate-containing compound metabolism
cell wall modification
response to stress
immune response
cell wall macromolecule catabolism
cell wall organization
microtubule-based process
response to oxidative stress
oxidation-reduction process
cell wall organization or biogenesis
defense response


D
dioxygenase activity
oxidoreductase activity
oxidoreductase activity, acting on single donors with incorporation of molecular oxygen
peroxidase activity
antioxidant activity
oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen
transmembrane transporter activity
oxidoreductase activity, acting on peroxide as acceptor
transporter activity
secondary active transmembrane transporter activity
active transmembrane transporter activity
antiporter activity
sequence-specific DNA binding transcription factor activity
pectinesterase activity
transferase activity, transferring sulfur-containing groups
metal ion binding
carboxylic ester hydrolase activity
transmembrane signaling receptor activity
transition metal ion binding
cation binding
heme binding
iron ion binding
ion binding
tetrapyrrole binding
sequence-specific DNA binding
DNA binding

S3 Fig. Interactive graph of biological processes and molecular function GO terms, as determined by AgriGO and REVIGO algorithms. GO terms are represented by bubbles and are plotted according to semantic similarities to other GO terms (bubbles linked by edges are most closely related). Bubble size indicates the frequency of the GO term; color indicates semantic similarity. In mycorrhized roots, GO category (A) biological process and (B) molecular function. In nodulated roots, GO category (C) biological process and (D) molecular function.